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1. ORGANIZATION, ADMINISTRATION, AND SUMMARY OF ACTIVITIES

1.1 Mission Statement

"The ITTO facilitates discussion, consultation and international cooperation on issues relating to the international trade and utilization of tropical timber and the sustainable management of its resource base".

1.2 Membership

This was the third year of operation of the International Tropical Timber Agreement, ITTA, 1994, which came into force on 1 January 1997. The previous Agreement, the ITTA, 1983, had been in force since April 1985. Membership of the Council increased by one (1) in 1999, following the accession of the Government of Portugal on 4 November 1999. This brought the total membership to fifty-four (54) countries (including the European Community), comprising twenty-nine (29) Producers and twenty-five (25) Consumers. The fifty-four (54) Members of the ITTO listed below accounted for over 76 percent of the world's natural tropical forest and more than 90 percent of the international trade in tropical timber.

The status of Members as at 31 December 1999 in terms of the ITTA, is summarized in Annex 2.

CURRENT MEMBERSHIP OF ITTO (under ITTA, 1994)

PRODUCERS

Africa

Cameroon
Central African Republic
Côte d'Ivoire
Dem. Rep. of Congo
Gabon
Ghana
Liberia
Rep. of Congo
Togo

Asia & Pacific

Cambodia
Fiji
India
Indonesia
Malaysia
Myanmar
Papua New Guinea
Philippines
Thailand

Latin America

Bolivia
Brazil
Colombia
Ecuador
Guyana
Honduras
Panama
Peru
Suriname
Trinidad & Tobago
Venezuela

CONSUMERS

Australia
Canada
China
Egypt

European Union

Australia
Belgium/Luxembourg
Denmark
Finland
France
Germany
Greece
Italy
Netherlands
Portugal
Spain
Sweden
United Kingdom

Other Europe

Norway
Switzerland

Japan

Nepal
New Zealand
Rep. of Korea
United States of America

A Member in its own right.

1.3 International Tropical Timber Council

1.3.1 Officers of the Council

At its Twenty-fifth Session, the Council elected Mr. Jean Williams Sollo (Cameroon) as its Chairperson and Mr. Young Woo Chun (Republic of Korea) as its Vice-Chairperson for 1999. Decisions on both of these appointments were unanimous. However, owing to other official assignment, Mr. Young Woo Chun could not take up the position, and Mr. Rae-kwon Chung (Republic of Korea) was nominated as his replacement. The nomination of Mr. Rae-kwon Chung as the Vice-Chairperson of the Council was unanimously approved by Council at the Twenty-sixth Session. Dr. Untung Iskandar (Indonesia) and Mr. Luciano Helmold Macieira (Brazil) were elected Spokesperson and Alternate Spokesperson respectively for the Producer Group while Mr. Toshikatsu Aoyama (Japan) was elected Spokesperson for the Consumer Group at the Twenty-fifth Session of the Council. However, owing to other official assignments of Mr. Toshikatsu Aoyama, at the Twenty-sixth Session, the Consumer Group elected Dr. Gary Dolman (Australia) and Mr. Richard Dewdney (U.K) as Spokesperson and Alternate Spokesperson respectively.

1.3.2 The Twenty-sixth Session of the Council.

The Twenty-sixth Session of the ITTC was held in Chiang Mai, Thailand, from 28 May to 3 June 1999. The Session was attended by thirty-seven (37) ITTO Members and eighteen (18) Observers from States, U. N. bodies and Specialized Agencies, inter-governmental and non-governmental organizations, the last-named representing conservation groups and timber trade associations.

The Session was opened by the Chairperson of the Council, Mr. Jean Williams Sollo (Cameroon), and received statements from H.E. Dr. Christiana Amoako-Nuama, Minister for Lands and Forestry of Ghana, and H. E. Mr. Pongpol Adireksarn, Minister of Agriculture and Cooperatives of Thailand. The Session adopted ten (10) Decisions and one (1) Statement. Among the Decisions adopted were the revision of project related guidelines and manuals, the application of criteria and indicators for sustainable management of tropical forests, the frequency and duration of sessions of council and committees, the management of the Bali Partnership Fund and funding of actions defined by the ITTO Action Plan, matters related to appointment of a new Executive Director, matters relating to market access and the ITTO Year 2000 Objective.

The Council also adopted a statement in appreciation of the outstanding and dedicated service of Dato' Dr. B. C. Y. Freezailah, the first Executive Director of the Organization, who retired voluntarily on 24 March 1999. In the Statement, the Council extended its deepest appreciation and gratitude to Dato' Dr. B. C. Y. Freezailah for his untiring efforts, invaluable contributions and dynamic leadership in guiding the growth and development of the International Tropical Timber Organization from its birth to its current standing at the international level and in enhancing international cooperation in the promotion of international trade in tropical timber, the sustainable management of tropical forests and the sustainable development of tropical forest industries.

The Session was preceded for the third time by a meeting of the Informal Advisory Group (IAG) set up to assist Council organize its work, and also a meeting of the Chairpersons and Vice-Chairpersons of the Committees with the Assistant Directors of the various Divisions to streamline the work of the Committees.

Projects, Pre-projects and Activities financed at the Session amounted to US\$ 9,149,249.00. Funding was provided by Japan (US\$7,346,870), Switzerland (US\$ 1,275,504.00.), USA (US\$421,125), Australia (US\$43,000), Republic of Korea (US\$30,000), and France (US\$32,750).

1.3.3 The Twenty-seventh Session of the Council

The Twenty-seventh Session of the Council was held in Yokohama, Japan, from 1 to 6 November 1999. The Session was attended by 42 ITTO Members and 15 Observers from States, U. N. bodies and Specialized Agencies, inter-governmental and non-governmental organizations, the last-named representing conservation groups and timber trade associations.

The Session was opened by the Chairperson of the Council, Mr. Jean Williams Sollo (Cameroon) and was honoured with the attendance of H. E. Dr. Christiana Amoako-Nuama, Minister for Lands and Forestry, Republic of Ghana; H. E. M. Sylvestre Naah Ondoua, Minister of Environment and Forests of Cameroon; H. E. Dato' Seri Dr. Lim Keng Yaik, Minister of Primary Industries of Malaysia, H. E. Mr. Jean Claude Kouassi, Minister of Environment and Forestry of the Republic of Côte d'Ivoire, Mr. Shotaro Oshima, Director-General, Economic Affairs Bureau of the Ministry of Foreign Affairs of Japan, and Mr. José Carlos Carvalho, Executive Secretary, Ministry of Environment of Brazil.

The Twenty-seventh Session of the Council appointed Dr. Manoel Sobral Filho as the new Executive

Director for the Organization, following the voluntary retirement of the founding Executive Director, Dato' Dr. B.C.Y. Freezailah of Malaysia on 24 March 1999. The Decision on the appointment of Dr. Manoel Sobral Filho as the new Executive Director, was reached by consensus.

Other Decisions adopted by the Council were: Improvements in the ITTO Fellowship Programme, ITTO Year 2000 Objective and Its Promotion Through Public Education and Awareness, Framework for Guidelines on Tropical Forest Management, ITTO Work Programme for the Year 2000, Rules and Procedures Applying to ITTO Projects, the Downturn in the International Tropical Timber Market, the Frequency and Duration of Council and Committee Sessions and Prioritization and Monitoring of Actions, Pre-projects and Projects Funded by Sub-Account B of the Bali Partnership Fund.

Projects, Pre-projects and Activities funded at the Session amounted to US \$ 10,556,897.00. Funding was provided by Japan (US \$6,885,332.00), Switzerland (US\$1,093,954.00), USA (US\$355,000.00), Australia (US\$55,000.00), United Kingdom (US\$50,000.00), and Republic of Korea (US\$30,000.00).

1.3.4 Voluntary Contributions

The following Countries and Organizations kindly made voluntary contributions to ITTO in 1999:

Government of Japan	US\$ 14,103,698.92
Government of Switzerland	US\$ 2,500,000.00
Government of USA	US\$ 1,250,000.00
Common Fund for Commodities	US\$ 1,003,225.00
Government of Australia	US\$ 98,000.00
ITO Yokado Corp. of Japan(Private)	US\$ 82,270.67
Government of Rep. of Korea	US\$ 50,000.00
Government of United Kingdom	US\$ 50,000.00
York Mart of Japan (Private)	US\$ 40,564.16
Government of France	US\$ 32,750.00

1.4. The Committees

1.4.1. Officers of the Committees

During 1999, Mr. A. N. Attah (Ghana) and Ms. Astrid Bergquist (Sweden) served as the Chairperson and Vice-Chairperson respectively of the Committee on Economic Information and Market Intelligence.

Dr. James Gasana (Switzerland) and Mr. Pisal Wasuwanich (Thailand) served as the Chairperson and Vice-Chairperson respectively of the Committee on Reforestation and Forest Management in 1999.

Dra. Angela Andrade Perez (Colombia) and Ms. Kayoko Fukushima (Japan) served as Chairperson and Vice-Chairperson respectively of the Committee on Forest Industry in 1999.

Mr. Luciano Helmod Maciera (Brazil) and Ms Ellen Conway (USA) served as the Chairperson and Vice-Chairperson respectively of the Committee on Finance and Administration in 1999

1.4.2. Associated Sessions of the Committees.

Associated Sessions of the Committees were held in conjunction with the Twenty-sixth and Twenty-seventh Sessions of the Council.

The Annual Market discussions held under the auspices of the Committees in Joint Session at their Twenty-fourth Sessions, addressed the theme "The Downturn in the World Tropical Timber Market and the Positive Contributions that ITTO Should Make." The moderator was Mr. Barney Chan (Sarawak Timber Association, Malaysia). Topics presented by the speakers were: "Trends in the Trade of Tropical Timber," "Report on Impediments to Market Access for Tropical Timber", and " Progress report on the Market Downturn in the International Tropical Timber Market".

The Committee on Economic Information and Market Intelligence considered the status of nine (9) on-going projects and pre-projects in 1999. The Committee recommended eight (8) new projects and pre-projects to the Council for approval and funding and also noted that nine projects approved by the Committee were pending financing and urged donors to provide funds for the implementation of those approved projects. The Committee considered the reports of ex-post evaluation of two completed projects. Policy issues considered by the Committee were in the areas of market access, downturn in the international tropical timber market, timber

certification, and matters pertaining to Customs Classification and the Harmonized System.

The Committee on Reforestation and Forest Management in 1999 recommended to Council twenty-seven (27) projects and eight (8) pre-projects for approval and funding. The Committee noted that there were still a number of projects and pre-projects approved at earlier Sessions which were pending financing. The Committee received reports of ten (10) completed projects and five (5) completed pre-projects in 1999.

The Committee on Forest Industry in 1999 reviewed the status of twenty-three (23) Projects and seven (7) Pre-projects which were under implementation. The Committee recommended to Council seven (7) new Projects and eight (8) new Pre-projects for approval and funding and received reports of seven (7) completed Projects and two (2) completed Pre-projects. The following policy issues were considered by the Committee in 1999: (i) Guidelines on increasing utilization efficiency and reduction of losses, (ii) voluntary code of conduct of the forest industry, and (iii) preparation of terms of reference and recommendations for a review of the status of further processing of tropical timber, and (iv) tropical timber standardization and harmonization of nomenclature.

The Committee on Finance and Administration in 1999 adopted the report of the independent public accountants on the accounts of the Organization for the financial year 1998 and recommended to the Council the transfer of an amount of US\$155,800.00 from the "General Programme Support" component to the component of "Translation Costs" in the programme support fund to eliminate the deficit incurred in that account in 1998. The Committee also reviewed and recommended to Council for approval the draft Administrative budget for 1999. On policy issues, the Committee considered a report on the "Progress and Cost Implications for Further Development of the ITTO Homepage" and a paper on "ITTO's Information Policy and Strategy". The Committee recommended to the Council "Arthur Anderson Co., Tokyo" to audit the accounts of the Organization for the financial year 1999.

The Fellowship Panel considered a total of 305 fellowship applications and recommended the approval of 49 fellowships for a total of US\$259,333.00

1.5 Informal Groups

1.5.1 The Informal Advisory Group (IAG)

The IAG established under Decision 3(XXIII) held two (2) meetings in 1999. The first meeting was held on 27 May 1999 in Chiang Mai, Thailand. The meetings comprised the Chairperson and Vice-Chairperson of the Council, the Chairpersons of the Committees, the two Spokespersons, a representative of the Government of Japan and the Officer-in-Charge. Issues discussed by the IAG included: the Draft Manual on Methods to Compile Data applying the ITTO Criteria and Indicators for Sustainable Management of Natural Forest, draft manuals on project formulation and implementation, the appointment of a new Executive Director, reviewing the criteria for allocating funds of the Bali Partnership Fund, Members progress towards the Year 2000 Objective, and ITTO's role in fire prevention and management. The second meeting of the IAG was held on 31 October 1999 in Yokohama, Japan. Issues discussed at that meeting included: the ITTO Year 2000 Objective, allocation of unearmarked resources of the Bali Partnership Fund, the Work Programme for the Year 2000, report of the Expert Panel on the Revision of the ITTO Fellowship Programme, appointment of a new Executive Director, cooperation with IFF, and developments in the climate change convention and its relevance to ITTO.

The Council renewed the mandate of the IAG up to the thirtieth Session of the Council with provision for the role of the IAG and its continued existence to be reassessed at that Session

1.5.2 Informal Trade Group

The Informal Trade Group, comprising trade members of Delegations from both Producer and Consumer countries, as well as Non-Governmental Trade Organizations, welcomed the growing debate on trade and other market related issues at recent meetings of the Council. The Informal Trade Group announced the theme of the market discussions to be held in May 2000, in Peru, as "What does it take to be both responsible and successful in the International Tropical Timber Market."

The Group noted that despite the marked improvement in the international tropical timber market place since the dramatic economic downturn in many producer countries in 1997/8, the tropical timber trade was still under performing in the face of growing competition from other timber and non-timber products. The Group recognized the continuing and growing environmental criticism from NGO's and others who fail to recognize the marked progress made by Member Countries towards the achievement of the ITTO Year 2000 Objective.

1.6 Summary of Projects, Pre-projects and Other Approved Activities

Table 1.
Summary of Projects, Pre-projects and Approved Activities Funded in 1999 (in US\$)

	PROJECTS		PRE-PROJECTS		ACTIVITIES		TOTAL	
	No.	ITTO Funding	No.	ITTO Funding	No.	ITTO Funding	No.	ITTO Funding
Economic Information and Market Intelligence	7	2,412,690	2	288,400	-	-	9	2,701,090
Reforestation and Forest Management	27	11,310,077	6	572,679	-	-	33	11,882,756
Forest Industry	9	3,390,495	6	508,886	-	-	12	3,899,381
Council	-	-	-	--	11	2,175,244	11	2,175,244
TOTAL	43	17,113,262	14	1,369,965	11	2,175,244	58	20,658,471

Table 2.
**Projects, Pre-projects and Other Approved Activities Funded by the Organization.
1987 – 1999 [ITTC (II) –ITTC (XXVII)]**

WORK	STATUS	NO.	TOTAL BUDGET	ITTO FUNDING
Projects	Completed	165	96,550,835.47	71,577,866.65
	Operational	109	100,150,841.81	81,338,124.95
	Pending contract	27	17,461,204.00	14,405,752.00
	Sub-Total	301	214,162,881.28	167,321,743.60
Pre-projects	Completed	86	8,760,351.14	8,730,166.64
	Operational	19	1,829,482.00	1,680,307.00
	Pending contract	9	874,242.00	689,857.00
	Sub-Total	114	11,464,075.14	11,100,330.64
Approved Activities	Completed	74	12,163,740.00	12,163,740.00
	Operational	7	1,191,199.00	1,191,199.00
	Pending contract.			
	Sub-Total	81	13,354,939	13,354,939
TOTAL		496	238,981,895.3	191,777,012.6

2. POLICY ISSUES

A number of policy development issues were considered by the ITTC in 1999. These issues included: Revision of Project Related Guidelines and Manuals; Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forests; Frequency and Duration of the Sessions of Council and Committees; Management of the Bali Partnership Fund and Funding of Actions Defined by the Action Plan; Matters Related to Article 16 of ITTA, 1994; Matters Relating to Market Access; ITTO Year 2000 Objective; Improvements to the ITTO Fellowship Programme; Framework for Guidelines on Tropical Forest Management; and the Downturn in the Tropical Timber Market

2.1 Revision of Project Related Guidelines and Manuals

At the Twenty-sixth Session, the Council recalled Decision 8(XXII) on the revision of project related guidelines and manuals and adopted a revised ITTO Manual for Project Formulation and a revised ITTO Manual for Project Monitoring, Review and Evaluation .

The second edition of the ITTO Manual for Project Monitoring, Review and Evaluation had been designed and prepared to guide both ITTO and ITTO project implementing agencies in their routine monitoring functions relating to the assessment of project progress during implementation, and in the evaluation work to be carried out for certain projects for which an in-depth assessment of validity, design appropriateness and impact is found necessary.

The second edition of the ITTO Manual for Project Formulation provides a detailed description of the project design process, content and format of project and pre-project proposals to be submitted to ITTO by its Member Countries.

The Council recommended to member countries to promote the use of the revised manuals and to submit new project and pre-project proposals exclusively based on the revised ITTO manuals. The Council also recommended immediate training for the use of the revised manuals.

2.2 Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forests

At the Twenty-sixth Session, the Council adopted the ITTO Manuals for the application of Criteria and Indicators for the sustainable management of natural tropical forests at both the national and forest management unit levels.

The Manuals(Parts A&B) provide a clear and detailed description of actions to be taken to measure and describe national and forest management unit level indicators adopted in the ITTO Criteria and Indicators for Sustainable Management of Natural Tropical Forests (1998).Part A of the Manuals provides a practical guide to national and state governments to help them to assess their own progress towards sustainable forest management and to report on the status of their forests in an appropriate and standardized way. Part B is basically a practical guide for forest managers to measure and describe indicators applying to clearly defined forest areas, managed to a set of explicit objectives and according to long term management plans.'

The Council requested the Executive Director to organize workshops to train the trainers for the wide use and implementation of the Manuals.

2.3 Frequency and Duration of the Sessions of Council and Committees

With the view to further strengthening the work of the Council and Committees, the Council in 1999,considered a preliminary paper on options for the frequency and duration of the sessions of the Council and Committees and requested the Executive Director to continue to monitor the six-days Council Sessions and provide cost estimates of the various options for the Council's consideration in May 2000.

2.4 Management of the Bali Partnership Fund

In 1999, the Council recalled its decisions on the adoption of the Libreville Action Plan[Decision 9(XXIV)], the endorsement of the work programme for 1999[Decision 7(XXV)], the management of the Bali Partnership Fund [Decision 8(XXV)], and the revision of Rules and Procedure, Financial Rules and Rules Relating to Projects of the ITTO [Decision 6(XXIII)] and stressed the need to secure financial resources necessary to implement the Programme of Work of the Organization .The Council, accordingly , established two sub-accounts of the Bali Partnership Fund: A) the sub-account for country specific actions, pre-projects and projects; B) the sub-account for non-country specific actions, pre- projects and projects.

The Council also established a sub-committee under the Committee on Finance and Administration for the allocation of funds under sub-account B and for the monitoring of the implementation of the actions, pre-projects and projects funded by sub-account B of the Bali Partnership Fund

2.5 Matters Related to Article 16 of ITTA, 1994

Following the voluntary resignation of Dr. B. C. Y. Freezailah, the founding Executive Director of ITTO, in March 1999, the Council at its Twenty-sixth Session established the procedures for the appointment of a new Executive Director based on Article 16 of ITTA, 1994.

At its Twenty-seventh Session, the Council, by consensus, appointed Dr. Manoel Sobral Filho, as the new Executive Director of ITTO.

Dr Manoel Sobral Filho, a native of Brazil, holds a Bachelor of Science degree in Chemistry from the University of Brasilia, a Master of Science (MSc.) degree in Wood Utilization and a Doctor of Philosophy (Ph.D.) degree in Forestry, Wildlife and Range Sciences from the University of Idaho, USA. Dr Sobral joined the Forest Products Laboratory of the Brazilian Institute for Forestry Development (IBDF), in Brasilia, Brazil as a professional in 1975. In 1981, he began his work in the Amazon region, as Director of the Forest Products Research Center of the National Institute for Amazonian Research. He joined the International Tropical Timber Organization in 1987, as its Assistant Director for the Division of Forest Industry, a position he held till his appointment as the Executive Director in November, 1999.

2.6 Matters Relating to Market Access

It was against the background of Decisions made a year earlier (Decisions 2(XXI) and 2(XXIII)), which stressed the importance of market access opportunities in assisting countries to generate financial resources to help implement national policies that promote sustainable forest management, that Council reviewed a report from two consultants commissioned to undertake the study on trade impediments to market access for tropical timber.

The Council recognized the positive relationship that can exist between international trade in tropical timber and the efforts being made by tropical timber producing countries toward sustainable forest management in the context of the Year 2000 Objective.

Council viewed the report positively and reaffirmed that national actions which restrict international trade in tropical timber may have a negative effect on forest management in member countries and urged member countries to undertake measures to eliminate possible obstacles to market access for tropical timber so as to foster sustainable forest management. As a follow-up, Council decided to request all Members to submit comments on the consultant report, and recommendations contained there-in, to the Secretariat to be compiled and presented to the Twenty-eighth Session of the Council in Lima, Peru.

2.7 ITTO Year 2000 Objective

The Council recalled Decision 3(X) on strategy by which, through international collaboration and national policies and programmes, ITTO members would progress towards achieving sustainable management of tropical forests and trade in tropical timber from Sustainably managed resources by the year 2000. It noted the approaching year 2000 and recognized that progress towards achieving sustainable management of tropical forests was on-going. The Council also recognized the importance of Article 1(d) of ITTA, 1994 to enhance the capacity of Members to implement a strategy for achieving exports of tropical timber and timber products from sustainable managed sources by the year 2000 and decided to undertake a preliminary review at its Twenty-eight session of progress made by member countries towards achieving the Year 2000 Objective as well as progress made in enhancing the capacity of members to implement a strategy for achieving the Year 2000 Objective.

2.8 Improvements to the ITTO Fellowship Programme

Underscoring the substantial benefits provided by the Fellowship Programme to the professional development of individuals in ITTO Member countries and the Organization as a whole, the Council revised the objective, eligible activities, priority areas, selection criteria and screening process of the ITTO Fellowship Programme. The Council established a special fund known as the "Freezailah Fellowship Fund", as a sub account of the Special Account, to finance the Fellowship Programme.

The revised Fellowship Programme also called for regular publication of selected fellowship reports in the Tropical Forest Update (TFU).

2.9 Framework for Guidelines on Tropical Forest Management

Considering that the ITTO "Guidelines for the Sustainable Management of Natural Tropical Forests (1990)", needed to be brought up to date in view of ITTO's Year 2000 Objective and the development of other ITTO Guidelines, the Council in 1999, initiated action for the development of a comprehensive framework for guidelines and practical manuals, covering all aspects of sustainable tropical forest management, including reduced impact logging, rehabilitation of degraded forests and forest lands and management of secondary forests.

2.10 Downturn in the International Tropical Timber Market

In November 1998, the Council approved a study to assess the extent and implications of the market downturn for tropical timber because of its concern for the deteriorating market conditions characterized by falling demand, exports and prices.

A study was commissioned in 1999 and the report of the study was considered by the Council. The report indicated that over the past twelve months, price recovery, from the lows during the "Asian currency crisis", had been quite significant, with some products enjoying appreciation in price of over 60%. However, prices were still low in comparison with levels at the pre-crisis period and full recovery may not be achieved in the immediate future due to remaining uncertainties in the global economic outlook. One of the key lessons to be learned from the crisis, according to the report, was the need to move from a raw material commodity trade to a trade in higher added value wood products. The report urged sustainable production and plantation development to ensure long term continuity of raw material resources. As a follow-up, Council decided to request all Members to submit comments on the consultant report, and recommendations contained there-in, to the Secretariat to be compiled and presented to the Twenty-eighth Session of the Council in Lima, Peru.

3. WORK PROGRAMME FOR 2000 –DECISION 7(XXVII)

The Council at its Twenty-seventh Session in Yokohama endorsed the work programme for the Year 2000 (Annex 6). Some strategic policy activities to be undertaken by the Council in 2000, as contained in the work programme, are as follows:

- (i) Commence consideration of extension, renegotiations or termination of the ITTA, 1994 [Article 46].
- (ii) Commence consideration of the review of the scope of the ITTA, 1994 [Article 35].
- (iii) Decide on format presentation and type of information Members shall furnish on timber, its trade and the activities aimed at achieving sustainable management of timber producing forests [ITTA, 1994 Article 29 (a)].
- (iv) Promote the exchange of views among Member countries regarding:
 - * The status of sustainable management of timber producing forests and related matters in Member countries;
 - * Resource flows and requirements in relation to objectives, criteria and guidelines set by the Organization. [ITTA, Article 30 (4)]
- (v) Continue to monitor developments related to the prevention and management of forest fire [ITTC Decision 8(XXIV)] and decide on follow-up actions as appropriate [IAG 4: para 11].
- (vi) Consider the results of the field testing of and training workshops on the "Manual for Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forests"; and review the Manual as appropriate [ITTC Decision 3(XXVI), IAG 4: para 7].
- (vii) Review the results of the study on the sustainability of tropical forests [Decision 9(XXVI)], and consider follow-up action as appropriate.
- (viii) Review the progress made by:
 - * Member countries towards achieving the Year 2000 Objective; and
 - * The ITTO in enhancing the capacity of Member countries to implement a strategy for achieving the Year 2000 Objective. [ITTC Decision 10(XXVI), IAG 4: para 6].
- (xi) Consider and, if appropriate, take action to follow-up on information provided by Members on the progress made with regard to market access for tropical timber as a possible means to facilitate sustainable forest management [ITTC Decision 9(XXVI)].
- (xii) Undertake the annual review and assessment of the international timber situation [ITTA, 1994, Article 30(a)].
- (xiii) Review the adequacy of the resources available in the Bali Partnership Fund and endeavour to obtain additional resources needed by producing Members to achieve the purpose of the Fund [ITTA, 1994, Article 21(5), IAG 4: para 4].
- (xiv) Consider and, if appropriate, take decision on actions to further strengthen cooperation between ITTO and IFF, FAO, UN/ECE and EUROSTAT [cooperation related to ITTC Decisions 6(XXII) and 6(XXV), and cross cutting strategies (section 2) in the Action Plan].

4. SUMMARY OF WORLD TIMBER SITUATION

4.1 Production

Production of tropical saw and veneer logs in ITTO producer countries totalled 113.5 million m³ in 1998, level with 1997 production. Log production increased slightly in 1999, to 113.8 million m³, due to stabilizing economies in all regions but mostly in Asia. Tropical log production was equivalent to 15% of total saw and veneer log production from all forests in all ITTO member countries in 1998. The proportion of logs domestically processed in Africa fell from almost 70% in the early 1990s to an average of 55% in the 1997-99 period, due to increased log exports to Asia. The Asian figure for domestic processing averaged 88% over the same period.

This reflects increasing populations, growing economies and the emphasis on exporting value-added products in this region. Latin American countries processed virtually all tropical logs harvested in 1997-99. Sawnwood production by ITTO producers totaled 33.4 million m³ in 1998, down 8% from 1997 levels. This decrease was due to production falling throughout Asia, which masked continuing production increases in Latin America. In 1999 sawnwood production increased to 33.9 million m³. Tropical hardwood veneer production decreased 20% to 1.9 million m³ in 1998. This decrease was due to a 27% drop in Asian veneer production. Production by ITTO producer members increased to about 2 million m³ in 1999. ITTO producer countries' plywood production decreased in 1998 to 14.5 million m³, a 12% drop from 1997 levels. Indonesia's plywood production declined 11% from 1997 levels, while Malaysia's production decreased by 12%. Plywood production in producer countries increased to 14.9 million m³ in 1999. ITTO consumer countries also produced substantial quantities of tropical timber products in 1998. China (275 000 m³) and Australia (30 000 m³) together produced a total of about 300 000 m³ of logs from their tropical regions. Consumer countries produced 1.9 million m³ of sawnwood, 0.4 million m³ of veneer and 4.2 million m³ of plywood, all (with the exception of China and Australia) from imported tropical logs. Production levels of tropical sawnwood, veneer and plywood in ITTO consumer countries dropped in 1999 together with imports of tropical logs.

4.2 Exports

ITTO producer countries exported 12.6 million m³ of logs in 1998 with Malaysia providing 44% of this volume, down from almost three-quarters in the early 1990s. ITTO log exports in 1998 dropped 22% from 1997 levels, but increased to 13.4 million m³ in 1999, still less than half the level at the beginning of the decade. Sawnwood exports by producer members fell almost 8% to 5.6 million m³ in 1998, remaining stable in 1999. Falling Malaysian sawnwood exports accounted for most of the decrease in 1998, although Malaysia remained the largest exporter, accounting for 44% of the total volume of ITTO producer country exports. Veneer exports from ITTO producer countries increased in 1998, up 4% from 1997 levels to over 1.3 million m³ and increased a further 8% in 1999. Tropical plywood exports by producer members in 1998 dipped by 10% to 11.7 million m³; with Indonesia (7.4 million m³) and Malaysia (3.6 million m³) accounting for 94% of this total. Exports increased by 2% in 1999. Malaysia's plywood exports have risen by over 50% since the beginning of the decade and now account for almost two-fifths of total ITTO exports. ITTO consumer countries also exported or re-exported substantial quantities of tropical timber in 1998, led by sawnwood and plywood exports of 396 000 and 476 000 m³ respectively. Log and veneer exports by consumer countries are smaller (104 000 and 71 000 m³ respectively in 1998). Exports of sawnwood and plywood by consumer countries decreased in 1999, reflecting decreased trade amongst countries in Europe, which accounts for the majority of the trade in tropical timber products between consumer countries.

4.3 Imports

Tropical hardwood log imports by ITTO consumer countries dropped by almost 18% in 1998, to 11 million m³. If imports by producing members are taken into account, total 1998 tropical log imports by ITTO members were just over 12.9 million m³, 19% less than in 1997. The 1998 total log import figure is only 200 000 m³ greater than total ITTO exports. Non-ITTO tropical log suppliers include the Solomon Islands and Laos, together with several relatively minor African log exporters. The gap between ITTO imports and exports increased to 0.5 million m³ in 1999, indicating that additional pressure was placed on non-ITTO log suppliers, although under-reporting of log exports, misclassification of imports and/or statistical errors are also contributing factors. Japan remained the dominant importer of tropical logs in 1998, accounting for 31% of all consumer country log imports, despite a sharp decline of 41% from 1997 levels to 3.4 million m³. Japanese tropical log imports increased 4% to 3.6 million m³ in 1999. India, Thailand and the Philippines are the major ITTO producing country log importers, at about 1.4, 0.3 and 0.2 million m³ respectively in 1998. Imports by Thailand collapsed to 211 000 m³ in 1999, while those of the Philippines increased to just over 0.5 million m³, more than double its import levels in the early 1990s.

Thailand's imports of tropical sawnwood decreased 34% to 0.9 million m³ in 1998 and kept falling to

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0.4 million m³ in 1999. Thailand was ITTO's largest tropical sawnwood importer in 1997 but was overtaken by both Japan and China in 1998. Japan's imports of tropical sawnwood decreased 33% to 0.8 million m³ in 1998 and remained stable in 1999. Imports of tropical sawnwood by consumer countries rose 5% in 1998 to 5.3 million m³, before decreasing to 5.1 million m³ in 1999. The 5% decrease in total ITTO tropical sawnwood imports to 7.0 million m³ in 1998 (and further to 6.2 million m³ in 1999) was primarily attributable to the large decrease in Thailand's imports.

Total ITTO tropical veneer imports decreased by 16% in 1998, to 1.2 million m³. This decrease was largely due to a 78% drop in imports by Korea (to 59 000 m³). Imports in 1999 were up 15% to 1.4 million m³. The EU absorbed 240 000 and 257 000 m³ of tropical veneer in 1998 and 1999, about one-fifth of total ITTO imports in both years. Japan imported 52 000 m³ of tropical veneer in 1998, 44% less than in 1997. Japan, with substantial restructuring underway in its wood panels industry, saw tropical veneer imports drop further to 48 000 m³ in 1999.

Tropical plywood imports continue to be led by Japan, although the 3.6 million m³ imported in 1998 was down 26% from a year earlier. Japan's imports made up 37% of total ITTO imports of 9.7 million m³ in 1998. Tropical plywood imports by ITTO members increased by 17% to 11.3 million m³ in 1999. In contrast to logs and sawnwood, total ITTO exports of tropical veneer and plywood have regularly exceeded total ITTO imports of these products, indicating the dominance of ITTO exporters in global markets.

5. OTHER ACTIVITIES

5.1 Expert Panel for Technical Appraisal of Project and Pre-project Proposals

The Seventeenth and Eighteenth meetings of the Expert Panel for Technical Appraisal of Project and Pre-project Proposals were held in February and August respectively. Both meetings were chaired by Prof. I.S Ferguson (Australia). Other meetings hosted by the headquarters of the Organization in the course of the year were:

- Expert Panel on Manuals for the Application of Criteria and Indicators for sustainable management of Natural Tropical Forests (8 – 12 March 1999), Yokohama, chaired by Dr. Untung Iskandar (Indonesia).
- Expert Panel on the Review of the ITTO Fellowship Programme (14 – 16 September 1999), chaired by Ms Stephanie Caswell (USA).
- Panel on Matters Related to Article 16 of ITTA, 1994 (27 –29 September 1999), co-chaired by Dr. Untung Iskandar (Indonesia) and Mr. Richard Dewdney (United Kingdom).

5.2 Meetings and Conferences

The ITTO was represented at the following international meetings, conferences and workshops:

- (i) Twenty-third meeting of the Consultative Committee of the Common Fund for Commodities (CFC), 18 – 22 January 1999, Amsterdam, The Netherlands.
- (ii) Inter-Secretariat Working Group on Forest Statistics (IWG) and Global Forest Information System (GFIS), 19-22 January 1999, Geneva, Switzerland.[Organized by Inter-secretariat Working Group]
- (iii) First Meeting of the Experts of the Costa Rica-Canada Initiative, 21-26 February 1999, San José, Costa Rica [Organized by Govts of Canada and Costa Rica]
- (iv) Fourteenth Session of the Committee on Forestry (FAO), 1-5 March 1999, Rome, Italy.
- (v) High Level Symposium on Trade and Environment, 15-16 March 1999, Geneva, Switzerland.[Organized by World Trade Organization]
- (vi) Second meeting of the International Workshop on Model Forests for Field Application of Sustainable Forest Management, 23 –27 March 1999, Ise, Japan.[Organized by International Model Forest Network Secretariat]
- (vii) "The International Workshop on Bamboo and Rattan Biodiversity Conservation, Utilization and Technology Exchange" Organized by the International Network for Bamboo and Rattan (INBAR), 12-15 April, 1999, Beijing, China.
- (viii) Third Session of the Intergovernmental Forum on Forests (IFF) of the Commission on Sustainable Development, 3-14 May 1999, Geneva, Switzerland.[Organized by IFF Secretariat]
- (ix) Inter-secretariat Working Group on Forest Statistics (IWG), 23-25 May 1999, Geneva, Switzerland. [Organized by: ECE-Timber Committee]
- (x) Chain of Custody Certification Seminar and Workshop, 15-16 June 1999, Jakarta, Indonesia.[Organized by Indonesian Forestry Community. ITTO presented a paper on " Update on Timber Certification]
- (xi) Workshop on Multilateral Agreements (MEAs) 28 June 1999, Geneva, Switzerland.[Organized by UNEP,WTO, UNCTAD. ITTO presented a paper on "Background Note on ITTO"]
- (xii) Meeting of the Committee on Trade and Environment (CTE) of the World Trade Organization, 29-30 June 1999, Geneva, Switzerland.[Organized by WTO Committee on Trade and Environment.]
- (xiii) UNCTAD meeting on "Expert Meeting on the Impact of Changing Supply-and-Demand Market Structures on Commodity Prices and Exports of Major Interest to Developing Countries", 7-9 July 1999, Geneva, Switzerland.
- (xiv) Twenty-fourth meeting of the Consultative Committee of the Common Fund for Commodities (CFC), 11 –14 July 1999, Amsterdam, The Netherlands.
- (xv) "Regional Consultation on Codes of Logging Practice", 12-17 July 1999, Port Vila, Vanuatu [Organized by: SPC/UNDP/AusAID/FAO. ITTO presented a paper on: " ITTO Current Status and Directions for the Future."]
- (xvi) International Conference on Synergies and Coordination between Multilateral Environmental Agreements. 14-16 July 1999, Tokyo, Japan.
- (xvii) East and South-East Asia Regional Meeting on International Arrangements and Mechanisms to Promote the Management, Conservation, and Sustainable Development of All Types of Forests (Under the Costa Rica-Canada Initiative in support of IFF), 2-5 August 1999, Kuala Lumpur, Malaysia. [Organized by Govt. of Malaysia.]
- (xviii) The 9th Asian International Woodworking Machinery and Forestry Supplies Exhibition and Conference 7-10 September, 1999 Singapore [Organized by Singapore Exhibition Services Pte. Ltd. ITTO presented

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- papers on (1) "Global Forestry Development of Relevance to the Asian Timber Industry: an ITTO perspective" (2) "Sustainable Forest Management in Asia: ITTO Projects and Developments."
- (xix) Seventh Annual meeting between the Common Fund for Commodities (CFC) and International Commodity Bodies (ICBs), 11 – 14 September 1999, London, U.K.
 - (xx) "EC-FAO Partnership on Data Collection for SFM", 26 September – 1 October 1999, Lambarene, Gabon.
 - (xxi) Malaysian Timber Marketing Convention, 29 September-1 October 1999, Petaling Jaya, Malaysia.[Organized by TTFM, TEAM, MPMA ,MWMJC,MFIC,PEKA,STA , STIA.]
 - (xxii) Regional meeting of Amazonian Countries on Costa Rica – Canada Initiative in support of the Programme of the IFF on Category III, 18 – 22 October, 1999, Guayaquil, Ecuador.
 - (xxiii) African Regional meeting on Costa Rica – Canada Initiative, in support of Programme of Work of the IFF on Category III, 18 – 22 October, 1999, Yaounde, Cameroon.[Organized by the Govts of Canada and Costa Rica]
 - (xxiv) Third International Workshop on Model Forest for Field Application of Sustainable Forest Management, 19 – 23 October 1999, Maebashi, Japan.[Workshop was organized by International Model Forest Network Secretariat. ITTO presented papers on (1) "Towards Sustainable Forest Management in the Tropics." (2) Training for Sustainable Forest Management in the Amazon."
 - (xxv) IUCN Regional Workshop on "Biodiversity Friendly Practices and Technologies", 24-26 October 1999, Colombo, Sri Lanka.[The workshop was co-sponsored by IUCN, IUFRO, ITTO]
 - (xxvi) Workshop on Indicators for Sustainable Forest Management in the Neotropics, 8 – 12 November, 1999, Turrialba, Costa Rica.[Workshop was organized by CATIE,IUFRO,CIFOR,FAO. ITTO presented a paper on: " ITTO criteria and Indicators for Sustainable Management of Natural Tropical Forests."]
 - (xxvii) International Meeting on the Potential Development of a Mechanism for International Cooperation in Forest Certification and Labelling, 22-24 November 1999, New York, USA.[Organized by Govt. of Australia]
 - (xxviii) "South Pacific Timber Certification Workshop", 29 November – 12 December 1999 Suva, Fiji.
 - (xxix) Eleventh Meeting of the Montreal Process, 29 November – 3 December 1999, Charleston, USA.[Organized by Govt. of USA]
 - (xxx) Training Workshop on Tropical Forestry and Timber Trade Statistics, 29 Nov –17 Dec 1999, Lomé, Togo [Organized by ITTO]
 - (xxxi) Workshop on National Level Criteria and Indicators for Sustainable Management of Dry Forest in Asia/ South Asia 30 November – 3 December 1999, Bhopal, India.[Workshop was co-sponsored by FAO, UNEP,ITTO, USFS, &IIFM]
 - (xxxii) Final Meeting of the Experts of the Costa Rica-Canada Initiative, 6-10 December 1999,Ottawa, Canada. [Meeting was organized by IFF]
 - (xxxiii) "Latin American Forestry Congress", 8-11 December 1999, Lima, Peru.[Meeting was organized by Colegio de Ingenieros del Peru. ITTO presented a paper on: " Sustainable Forest Development in Tropical America: ITTO Achievements and Challenges."]

6. THE SECRETARIAT

Dr. B. C. Y. Freezailah resigned as Executive Director of the Organization on 30 March, 1999. In recognition of his meritorious service to the Organization, the Council at its Twenty-sixth Session in Chiang Mai, Thailand, adopted a Statement in appreciation of the outstanding and dedicated service of Dr. Freezailah as Executive Director of ITTO from 1 November 1986. The Statement expressed the Council's deepest appreciation and gratitude to Dato' Dr. Freezailah bin Che Yeom (page 2, para 1.3.2.)

Ms. Catriona Prebble, after two and half year's service, resigned her position as Editor of the ITTO Publication "Tropical Forest Update" on 21 July 1999.

Dr. Manoel Sobral Filho, formerly Assistant Director in the Division of Forest Industry served as the Officer-in-Charge after the resignation of Dr. B. C. Y. Freezailah. On 6 November 1999, the Council, by a consensus decision, appointed Dr. Manoel Sobral Filho as the Executive Director.

The average annual staff complement for 1999 was thirty-one, from fourteen different nationalities, including those seconded from the city of Yokohama.

7. ECONOMIC INFORMATION AND MARKET INTELLIGENCE

7.1 Project Activities

In 1999, six project and 2 pre-project proposals were submitted by member governments for consideration and appraisal by the Committee on Economic Information and Market Intelligence:

PD 39/96 Rev.3 (M)	Creation of a National System for Collection and Processing of Forest Statistics in Congo
PD 39/98 Rev.2 (M)	Research on Value Accounting of Tropical Forest Environmental Resources and Bringing of it in Line with the National Economic Accounting System in China
PD 47/98 Rev.2 (M)	Establishing a Data Collection and Dissemination System on a Sustainable Basis for Timber Marketing Statistics in Cameroon
PD 41/99 Rev.2 (M)	Development and Implementation of the Pilot Project of the Forestry Statistics Information System (FSIS) – Phase I (The Philippines)
PD 48/99 Rev.1 (M,F)	Sharing of Information and Experience on Private Sector Success Stories in Sustainable Forest Management (Malaysia)
PD 55/99 Rev.1 (M)	Establishment of Sustainable Tropical Forest Products Information System in China
PPD 13/99 Rev.1 (M,F,I)	Model Communication and Public Awareness Program for Sustainable Forest Development in Ecuador
PPD 21/99 Rev.1 (M)	Development of a Strategy for the Improvement of the National System for the Processing of Forest Statistics and the Information on the Timber Market (Togo)

The Committee also proposed the following two pre-projects at its Twenty-fifth Session in November 1999:

PPD 26/99 (M)	The Competitiveness of Tropical Timber and Tropical Timber Products Vis-à-vis Timber and Non-Timber Substitutes (ITTO Secretariat)
PPD 27/99 (M)	The Medium and Long-Term Outlook for the Tropical Timber Market (ITTO Secretariat)

After a thorough evaluation, the Committee recommended to Council the approval of all six of the project proposals and four of the pre-project proposals. The Council approved for implementation all the project and pre-project proposals recommended by the Committee.

The approved proposals focus on development of statistical capability and market evaluation to support the strengthening of trade in tropical timber.

The Committee also reviewed the status and scope of work of nine approved projects, one pre-project and one activity. Information on these projects and pre-projects is provided in Annex 1.

Finally, the Committee received and approved completion reports on six projects and one pre-project activity in 1999.

The Committee considered the Report of Ex-post Evaluations for two projects [PD 5/94 Rev.3 (M) and PD 29/96 Rev.1 (M)] in 1999. The Committee agreed to undertake the ex-post evaluation of PD 167/91 Rev.1 (M) in 2000.

Details of all projects, pre-projects and activities that were operational, pending signature of agreement, awaiting finance or completed during 1999 are contained in Annex 1.

7.2 Non-Project Activities

i) Market Discussion

The 1999 Market Discussion took place on 31 May 1999 at a joint session of the three Committees during the Twenty-fourth Session of the Council in Chiang Mai, Thailand. The theme was "The Downturn in the World Tropical Timber Market and the Positive Contributions that ITTO Should Make". In addition to presentations from the ITTO Secretariat, there were invited speakers from Brazil, Ghana, Indonesia, Thailand, UK, and IHPA. Consultants undertaking studies under ITTC Decisions 2(XXIII) and 6(XXIV) (on Market Access and Downturn in the International Tropical Timber Market, respectively) also gave reports of their findings during the Market Discussion.

ii) Annual Review

The 1999 Annual Review and Assessment of the World Timber Situation took place during the Twenty-fifth Session of the Council in Yokohama in November 1999. Discussions were based on the background document prepared by the Secretariat, "Elements for the Annual Review and Assessment of the World Timber Situation 1999". At the close of discussions, members were invited to submit any updates or revisions to the document by 31 December 1999. The summary of the Annual Review, incorporating all revisions received, is included on pages 10-11 of this report

7.3 Policy Work

The Committee on EIMI considered and took decisions on the following issues related to policy work in 1999.

i) Timber Certification

The Committee noted the frequent reference made during the ITTO 1999 Market Discussion to the issue of timber certification and, in particular, the proliferation of initiatives in this field.

Considering the widespread and possible confusion in the marketplace over the different verification, labelling and certification schemes in various stages of consideration or implementation, the Committee requested the ITTO Secretariat to collate information on the range of schemes being developed for consideration at its Twenty-fifth session.

ii) Proposed Listing of Tropical Timber in the Appendices of CITES

The Committee discussed the convening of the meeting of the Plants Committee of CITES in Darwin, Australia, on 7-11 June 1999 and noted the report by the Officer-in-Charge to the Council, that no information on new proposals for the listing of tropical timber species in the Appendices of CITES was received from Members.

iii) Competitiveness of Tropical Timber vis-à-vis Competing Products and Substitutes

The Committee noted Members' interest in promoting tropical wood products and the anxieties concerning wood and non-wood substitutes for timber expressed during discussions on Impediments to Market Access for Tropical Timber and on the Downturn in the International Tropical Timber Market.

The Committee proposed that ITTO should undertake studies of market and product trends and outlooks on an on-going basis. The Committee therefore recommended the inclusion of a study on the competitiveness of tropical timber vis-à-vis competing product and substitutes into the list of strategic policy initiatives to be included in the Draft ITTO Work Programme 2000 for the Committee.

iv) Intergovernmental Forum on Forests (IFF) Programme Element II.b - Matters Left Pending on Trade and Environment

The Committee was informed that an update discussion on Programme Element II.b was conducted in conjunction with the Third Session of the IFF held in Geneva from 3-14 May 1999. Following continued negotiation of the Co-chairmen's draft report, substantial progress was achieved in the removal of brackets from the report. The Committee noted the guarded optimism regarding the prospects for the remaining bracketed parts of the report to be cleared at the Fourth and final Session of the IFF in February 2000.

The Committee further noted that the Co-Chairmen's report on Programme Element II.b would be considered and finalized together with the reports on other IFF Programme elements at the Fourth and final Session of the IFF to be held at the United Nations, New York from 31 January-11 February 2000.

v) Inter-Secretariat Working Group on Forest Statistics (IWGFS)

In order to further cooperate with FAO, UN/ECE and Eurostat to improve the availability of trade and economic data relevant to the global timber market and avoid duplication and overlap (Action Plan, section 3.1, goal 1 action 3) the Committee recommended that ITTO should:

Continue to participate in the Inter-Secretariat Working Group on Forest Statistics;

Invite representatives of FAO to statistical workshops to be held in ITTO producing countries;

Participate in FAO, UN/ECE and Eurostat meetings of relevance to forest statistics (e.g. ECE/FAO Timber Committee meetings);

Ensure collaboration on and complementarity between timber market outlook studies being planned/implemented by ITTO, FAO and ECE;

Collaborate actively with the other organizations in the global Forest Resource Assessment;

Continue to upgrade its data processing and dissemination capacity (software and hardware) to ensure compatibility with systems/databases used by other organizations; and

Work to make its statistical database accessible for custom data downloads via the internet.

As most of these recommendations would have financial implications, the Committee recommended an extension of funding to the on-going activity PP-A/23-63 "Activity to Facilitate Development of a Joint ITTO/ECE-FAO/Eurostat Forest Statistics Questionnaire".

vi) Study on the Establishment of a Tropical Plywood Exchange

Pursuant to paragraph 6 of the Report of the Informal Advisory Group (IAG) at its Fifth Meeting as contained in document ITTC(XXVII)/2, the Committee discussed the proposal by Malaysia regarding a study on the establishment of a tropical plywood exchange as a transparent and formal price formation mechanism.

The Committee agreed to incorporate the proposal into the list of strategic policy activities to be included in the Draft ITTO Work Programme 2000 for the Committee.

vii) Market Access

The Committee noted the presentation of the report on the Impediments to Market Access for Tropical Timber as contained in Document ITTC(XXVI)/9 and proposed that ITTO should strengthen its activities to educate consumers by disseminating information on its achievements in promoting sustainable tropical forest management.

The Committee noted that pursuant to Decision 9(XXVI), Members would inform the Council at its Twenty-eighth Session on progress made with regard to measures undertaken to eliminate possible obstacles to market access for tropical timber.

viii) Downturn in the International Tropical Timber Market

The Committee noted the presentation before the Council of the report on the Downturn in the International Tropical Timber Market (document ITTC(XXVII)/7) and the discussion which took place before the Council.

The Committee undertook further consideration of the report, focusing on its recommendations covering forecasting, price stability and transparency, environmental barriers and impediments to trade in timber, promotional work, timber certification and mutual recognition, market and product development, efficiency of the industry and value-added products and product diversification.

The Committee agreed to consider the inclusion of some of these recommendations to the list of possible strategic policy initiatives to be included in the Draft ITTO Work Programme 2000 for the Committee.

7.4 Work Programme for 2000

Pursuant to paragraph 4 of the Report of the Informal Advisory Group (IAG) at its Fifth Meeting as contained in document ITTC(XXVII)/2, the Committee discussed the revised Draft ITTO Work Programme for Year 2000 as contained in document ITTC(XXVII)/9 Rev. 1, focusing on proposed strategic policy activities for the Committee including the financial implications of the activities proposed.

Following consultations, the Committee agreed to recommend two pre-project studies namely: "The Competitiveness of Tropical Timber and Tropical Timber Products with Timber and Non-Timber Substitutes" and, "The Medium and Long-Term Outlook for the Tropical Timber Market" as activities to be included in the Draft ITTO Work Programme 2000 for the Committee.

It further urged donors to provide the necessary funding to ensure that the activities could be implemented in 2000.

The Draft ITTO Work Programme 2000 for the Committee is appended as Annex 6.

8. REFORESTATION AND FOREST MANAGEMENT

8.1 Project Activities

The Committee reviewed 27 project proposals and eight pre-project proposals which were commended for its consideration by the Seventeenth and the Eighteenth Expert Panels for the Technical Appraisal of Project/Pre-project Proposals, as well as proposals submitted directly to the Committee after amendments by submitting agencies, in 1999. These were:

Project Proposals

PD 30/97 Rev.6 (F)	Rehabilitating Degraded Forest through Collaboration with Local Communities (Ghana)
PD 52/98 Rev.3 (F)	Establishing a Network of Permanent Sampling Plots for Monitoring the Dynamics of Reforestation in Côte d'Ivoire (Côte d'Ivoire)
PD 56/98 Rev.2 (F)	Criteria and Indicators for the Sustainable Development of Venezuelan Forests (Venezuela)
PD 2/99 Rev.2 (F)	Preparatory Studies to Install a Continuous Monitoring System for the Sustainable Management of Thailand's Forest Resources (Thailand)
PD 3/99 Rev.2 (F)	An Assessment of the Status of Conservation Areas in Sabah, Malaysia (Malaysia)
PD 7/99 Rev.1 (F)	East New Britain Balsa Industry Strengthening Project Phase II (PNG)
PD 9/99 Rev.2 (F)	Sustainable Management of Missahoe Reserved Forest Forestry Resource with the Participation of the Local Rural Communities for an Optimal Timber Production (Kpalime, Togo)
PD 10/99 Rev.3 (F)	Selection and Cultivation of Fast-Growing and High-Yielding Strains of Rubber Trees for Timber Production in Hainan, China (China)
PD 16/99 Rev.2 (F)	Development of Lanjak-Entimau Wildlife Sanctuary as a Totally Protected Area Phase III (Malaysia)
PD 17/99 Rev.1 (F)	National Forest Inventory and Forest Resource Monitoring Program in Bolivia (INFOBOL-2000) (Bolivia)
PD 18/99 Rev.1 (M,F,I)	Latin American Forestry Congress (Peru)
PD 20/99 Rev.2 (F)	Establishment and Management of Production-Protection Community Forests in Lower and Middle Atrato, Department of Choco, Colombia (Colombia)
PD 21/99 Rev.1 (F)	International Conference on Timber Plantation Development (Philippines)
PD 22/99 Rev.1 (F)	Study on The Behaviour of Native Timber Species of Commercial Value in the Tropical Moist Forests of Honduras (Honduras)
PD 23/99 Rev.2 (F)	Testing of ITTO Revised Criteria and Indicators and Dissemination of Results Applying to Cameroon (Cameroon)
PD 27/99 Rev.2 (F)	Pilot Project for the Sustained Management of the So'o Lala Forest - Phase II (Cameroon)
PD 28/99 Rev.2 (F)	A Scientific and Technical Workshop for S.E. Asia on Forest Restoration for Wildlife Conservation (Thailand)
PD 32/99 Rev.2 (F)	Productive Forest Management for the Rural Reserve Area of Guaviare (Colombia)
PD 38/99 Rev.1 (F,I)	Demonstration Community Forest Management in the Natural Cloud Forests of the Urumba Basin, San Ignacio (Peru)

PD 42/99 Rev.1 (F)	Support for Forestry Research, Monitoring of the Timber Industry and Training of Forest Managers in the Central African Republic (CAR)
PD 44/99 Rev.1 (F)	Implementation of a Management Plan by the Chiquiaca and Orozas Communities in Tarija, Bolivia (Bolivia)
PD 47/99 Rev.2 (F)	Restoration of High-Value Timber Supply in the Colombian Pacific Region through Environmentally Sustainable Community Systems in Cabo Corrientes, Choco Bio-Geographical Region, Colombia (Colombia)
PD 49/99 Rev.1 (F)	Pilot Plan for the Sustainable Management of 10,000 Hectares of Secondary Forest in San Lorenzo, Esmeraldas (Ecuador)
PD 54/99 Rev.2 (F)	Alternative Financing Model for Sustainable Forest Management in San Nicolas (Colombia)
PD 57/99 Rev.2 (F)	Sustainable Management of Production Forests at the Commercial Scale in the Brazilian Amazon (Brazil)
PD 60/99 Rev.1 (F)	Optimum Utilization of RADARSAT SAR Data in Conjunction with Enhanced FCD Model to Monitor Change in the Status of Forest Resources (Regional Asia)
PD 63/99 Rev.2 (F)	Integrated and Participatory Management of Ottotomo Forest Reserve (Cameroon)

A total of 25 projects were approved for immediate implementation as soon as funds become available in the Special Account.

Pre-project Proposals

PPD 2/99 Rev.1 (F)	A Model Forest Management Area in Papua New Guinea (PNG)
PPD 4/99 Rev.2 (F)	Pre-Project for the Protection and Sustainable Use of Forest Resources in the Special Management Area of Darien (Colombia)
PPD 5/99 Rev.1 (F)	Development of a Model Forest for Sustainable Forest Management in Thailand (Thailand)
PPD 7/99 Rev.1 (F)	Initiative to Develop a Conservation Project for the Condor Range Region (Ecuador & Peru)
PPD 8/99 (F)	Identifying an Indigenous Forest Plantation Strategy for Fast-Growing Tropical Species in the Nyong Valley (Central Province of Cameroon)
PPD 12/99 (F)	Sustainable Tropical Forest Management through Community Participation in India (India)
PPD 19/99 Rev.1 (F)	Strengthening Sustainable Management of Natural Forests in Asia-Pacific (Indonesia and Australia)
PPD 22/99 Rev.1 (F)	Improved Living Standard of the People through Community Participation in Sustainable Forest Management (Cambodia)

The eight pre-projects were approved for immediate implementation as soon as funds become available in the Special Account.

- The Committee received reports on ten completed projects and five completed pre-projects as follows:

Completed Projects

A total of ten projects were reported as completed during the sessions.

(A) Completed Projects, Including Financial Audit

- | | |
|---------------------|--|
| PD 172/91 Rev.2 (F) | The Recovery of Natural Systems of the Hillsides of Caqueta, Phases I & II (Colombia) |
| PD 35/93 Rev.4 (F) | Forestry Management, Community Development and Sustained Use of Forests on the Punta Patiño Nature Reserve, Darien Region, Republic of Panama - Phase I (Completed), Phase II (Completed) (Panama) |
| PD 9/95 Rev.2 (F) | Reforestation Using High-Value Tropical Species in Agroforestry Systems of the Province of Tambopata (Peru) |

(B) Completed Projects, Pending Financial Audit

- | | |
|----------------------|---|
| PD 74/90 Rev.1 (F,I) | Better Utilization of Tropical Timber Resources in order to Improve Sustainability and Reduce Negative Ecological Impacts (Global) |
| PD 99/90 Rev.1 (F) | Establishment of Rio Preto's National Forest (Brazil) |
| PD 106/90 Rev.1 (F) | Development of the Lanjak-Entimau Wildlife Sanctuary as a Totally Protected Area, Phase I (Malaysia) |
| PD 42/92 Rev.1 (F) | Reforestation and Sustainable Management and Utilization in the Natural Cloud Forests of Jaen-San Ignacio, Phases I & II (Peru) |
| PD 22/93 Rev.4 (F) | Forest Management, Community Participation and Sustainable Utilization in Si-Kop Forest Area, Coastal Province, Cameroon (Cameroon) |
| PD 4/94 Rev.3 (F) | East New Britain Balsa Industry Strengthening Project (Papua New Guinea) |
| PD 39/95 Rev.1 (F) | Institutional Strengthening for the Sustainable Management of Forest Plantations (Colombia) |

Completed Pre-projects

A total of five pre-projects were reported as completed during the sessions.

- | | |
|----------------------|---|
| PPD 12/93 (F) | Biotechnology and Sustainable Production of Tropical Timber (Global) |
| PPD 11/96 Rev. 2 (F) | Identification and Planning of Measures for the Sustainable Management of the Kloto Community Forests in the Reserved Forest of Missahoe with the Participation of Rural Communities (Togo) |
| PPD 16/96 Rev.2 (F) | Demonstration on Reforestation Using Tropical Hardwood Species in Yunnan Province of China (China) |
| PPD 1/97 Rev. 1 (F) | Evaluation of the Impact of Disturbances and Conservation <i>in situ</i> of the Phytogenic Resources of Cameroon's Closed Forest (Cameroon) |
| PPD 3/97 Rev.1 (F) | Technical Assistance to Develop a Forest Inventory and Monitoring Program for the Sustainable Management of Bolivia's Forest Resources (Bolivia) |

In addition, the committee considered the report on Project and Pre-project Work in Progress in the field of Reforestation and Forest Management. A total of 66 approved projects and 11 pre-projects are currently under implementation while additional 19 projects and 3 pre-projects are awaiting the signing of the agreement to initiate activities. There are 16 approved projects and 4 pre-projects still awaiting full financing while 4 approved projects and 3 pre-projects fell under the sunset provision. The complete list of projects and pre-projects is provided in Annex I.

8.2 Non-Project Activities

8.2.1 Policy Work.

The committee considered its policy work programme in relation to the ITTO Libreville Action Plan.

Framework for Guidelines on Tropical Forest Management

The committee considered work to develop a Framework for Guidelines on Tropical Forest Management as a step towards updating ITTO's Guidelines for Sustainable Management of Natural Tropical Forests from 1990.

The updating should include the development of a comprehensive framework for guidelines and practical working manuals, covering all relevant aspects of sustainable tropical forest management, including reduced impact logging, rehabilitation of degraded forests and forest lands and management of secondary forests, taking into account other existing ITTO guidelines.

For each element identified in the framework, the objectives, intended users, annotated contents and financial resources required shall be listed.

The Committee recommended and the Council approved (Decision 6(XXVII)) to engage two consultants, one from a producer and one from a consumer member country, to carry out the work.

8.2.2. Other Work

Project administration, monitoring and evaluation took up the bulk of the activities of the division including the preparations of papers and reports to several Expert Panels, the Committee and the Council. In addition, the staff of the division participated in several other activities, as follows:

- a. Second meeting of the International Workshop on Model Forests for Field Level Application of Sustainable Forest Management: The meeting was a follow-up meeting of the first meeting held in Tokyo on 10-12 March 1998. The second meeting was held in Ise City, Mie prefecture, Japan on 23-27 March 1999 organized by the International Model Forest Network Secretariat, based in Canada, in cooperation with FAO, the Forestry Agency Japan and the Mie Prefecture. The objective of the meeting was to explore practical ways for applying the concepts of sustainable forest management at the field level, through model forests approaches. The meeting attracted about 90 participants from various countries and from international organizations, such as the FAO and International Model Forest Network Secretariat (IMFNS). A paper on ITTO's work on sustainable forest management was presented.
- b. The third International Workshop on Model Forest for Field Level Application of Sustainable Forest Management was held in Maebashi, Gunma Pref., Japan from 19th to 23rd October, 1999. The meeting was sponsored by the Forestry Agency of Japan, the Canadian International Model Forest Network Secretariat, FAO and the Gunma Prefecture. The workshop included field trips to two model forest management areas in Gunma Pref. It discussed the roles model forests can play in promoting sustainable forest management at the field level involving institutional and private partnerships and active participation from the local communities. ITTO presented two papers related to its work on training in sustainable forest management and reduced impact logging.
- c. Pursuant to Decision 8(XXIV) of the ITTC on Technical Consultations on Forest Fire, a mission was conducted from 15 to 17 September 1999, to visit and consult the Global Fire Monitoring Center in Freiburg, Germany. The Center has launched a regular Forest Fire News and an extensive website on forest fire issues, in cooperation with, among others, the World Bank, IUFRO and FAO. ITTO Guidelines on Forest Fire Management has been included and published under the website. The consultation aimed to review the inclusion of relevant ITTO Guidelines into the Center's homepage and to publish the results of ITTO Forest Fire Forum Jakarta 1998 into their International Forest Fire News. Possible future technical cooperation was also explored with the Global Fire Monitoring Center.
- d. The Workshop on National Level Criteria and Indicators for Sustainable Management of Dry Forest in Asia/South Asia, was held in Bhopal, India from 30 November to 3 December 1999. The Workshop, which was co-sponsored by FAO, ITTO, UNEP, USFS and IIFM India had a primary objective to support countries in Asia & South Asia region to develop a set of national level criteria and indicators for sustainable forest management in the dry forest zone. The ITTO Criteria and Indicators (1998) were presented for reference

to the participants representing 10 countries in the region. It was noted that the ITTO Criteria and Indicators also served as a main reference to define the Bhopal-India initiative for Criteria and Indicators of Sustainable Forest Management.

8.3 Work Programme for 2000

The Committee on Reforestation and Forest Management considered its work program for 2000 in light of the ITTO Libreville Action Plan. The work program is mainly concentrated on the routine tasks related to appraisal of project proposals, project monitoring and evaluation including ex-post evaluations, and project administration (Annex 6).

The Committee agreed to consider the work to be done in the formulation of a framework for the development of new guidelines for sustainable forest management including guidelines on reduced impact logging and guidelines for the rehabilitation of degraded forests and forestlands in accordance with Council Decision 6(XXVII).

9. FOREST INDUSTRY

9.1 Project Activities

In 1999, seven project and nine pre-project proposals were submitted by member governments for consideration and appraisal by the Committee on Forest Industry:

PD 46/98 Rev.2 (I)	Development of the Indian Rubberwood Industry (Phase I) (India)
PD 13/99 Rev.1 (M,F,I)	ITTO Information Network and Project Support (Phase I and Phase II) (ITTO Secretariat)
PD 14/99 Rev.1 (I)	General Nomenclature of Tropical Timber (France)
PD 34/99 Rev.1 (I)	Development and Implementation of Stress Grading Rules for Tropical Timber in the Philippines (Philippines)
PD 40/99 Rev.1 (I)	IV Plywood and Tropical Timber International Congress (Brazil)
PD 56/99 Rev.1 (I)	Promotion of the Utilization of Bamboo from Sustainable Sources in Thailand (Thailand)
PD 58/99 Rev.1 (I)	Introduction of a Village Industry in the Community Around an Industrial Forest Plantation in Indonesia (Indonesia)
PPD 1/99 Rev.1 (I)	Human Resources Development for the Improvement of Forest Industry in Cambodia (Cambodia)
PPD 10/99 (I)	Utilization of Small Logs from Forest Plantation in Thailand (Thailand)
PPD 11/99 (I)	Development of the Rubberwood Industry in Côte d'Ivoire (Phase I) (Côte d'Ivoire)
PPD 14/98 Rev.1 (I)	Development of Forest Industries in Congo (Congo)
PPD 6/99 Rev.2 (M,F,I)	Promotion of Non-Timber Forest Products in Terai Region of Nepal (Nepal)
PPD 15/99 Rev.1 (I)	Pre-Project for the Ecuadorian Tropical Timber Industry Environmental Management (Ecuador)
PPD 17/99 Rev.1 (I)	Efficient Utilization of Bamboo in India (India)
PPD 18/99 Rev.1 (I)	Utilization of Tropical Plantation Timber in the Southern Part of China (China)
PPD 20/99 Rev.1 (I)	Study on Utilization of Plantation Teak (Myanmar)

After a thorough evaluation, the Committee recommended to Council the approval of all seven of the project proposals and nine of the pre-project proposals. Two project proposals and one pre-project proposal were recommended as submitted [PD 56/99 Rev.1 (I), PD 58/99 Rev.1 (I) and PPD 17/99 Rev.1 (I)] and the remaining thirteen were further revised by the Committee [PD 46/98 Rev. 3 (I), PD 13/99 Rev.2 (M,F,I), PD 14/99 Rev.2 (I), PD 34/99 Rev. 2 (I), PD 40/99 Rev.2 (I), PPD 1/99 Rev.2 (I), PPD 10/99 Rev.1 (I), PPD 11/99 Rev.1 (I), PPD 14/98 Rev.2 (I), PPD 6/99 Rev.3 (M,F,I), PPD 15/99 Rev.2 (I), PPD 18/99 Rev.2 (I) and PPD 20/99 Rev. 2 (I)]. The Council approved for implementation all of the project and pre-project proposals recommended by the Committee.

The approved proposals focus on forest product research, technical assistance and human resource development to support tropical timber further processing in producing countries.

The Committee also reviewed the status and scope of work of thirty-eight approved projects and pre-projects, nine of which completed during 1999. Information on these projects and pre-projects is provided in Annex 1.

9.2 Policy Work

The Committee on Forest Industry considered and took decisions on four issues related to policy work in 1999:

Tropical timber standardization and harmonization of nomenclature

Assisted by document CFI(XXIV)/5, which compiled information on previous ITTO work on tropical timber standardization and nomenclature, the Committee reviewed the need for additional work in this area. The Committee agreed that the Organization's work in recent years appropriately addressed the issue of tropical timber standardization, particularly concerning tropical sawnwood and plywood. The Committee also recalled its current work related to timber standards, which includes a completed pre-project on stress grading rules and an approved follow-up project [PD 34/99 Rev.2 (I) "Development and Implementation of Stress Grading Rules for Tropical Timber in the Philippines"].

The Committee recognized that work to update and revise the nomenclature of tropical timber was still needed and desirable. To this effect, based on a Committee recommendation Council approved implementation of a project proposal [PD 14/99 Rev.1 (I)] designed to produce a revised and updated version of the ATIBT publication entitled "A General Nomenclature of Tropical Timber".

Guidelines on increasing utilization efficiency and reduction of losses

The Committee considered and discussed work to develop guidelines on increasing utilization efficiency and the reduction of losses and waste throughout the tropical timber production chain. The Committee based its discussions on a Secretariat background paper [CFI(XXIV)/6] which compiled information on previous work in this field. The Committee also noted views of Members and representatives of the wood industry pointing out that efficiency is largely dependent on equipment and skills of the workforce, and that ultimately decisions related to increasing efficiency are investment decisions which are at the discretion of wood industries owners.

The Committee decided to recommend and Council subsequently approved the implementation of a pre-project study with a step by step approach for execution of a review, survey and assessment of information and data, to assist further consideration and eventual decision on preparation of draft guidelines in 2000. The study terms of reference are:

- A. Carry out a comprehensive review of previous work related to guidelines on increasing timber utilization efficiency and the reduction of losses and waste with a focus on saw milling and plywood manufacturing processes and products.
- B. To undertake a survey to determine conversion efficiency in a representative sample of producers' tropical timber-based export saw milling and veneer/plywood industries.
- C. Analyze producers' efficiency vis-à-vis efficiency in countries which are more advanced in log conversion and in utilization of main products and waste.
- D. Compile and assess information and data on policies, measures and technologies which contribute to increase utilization efficiency and to reduce losses and waste throughout the production chain.
- E. Prepare and present to the Forest Industry Committee a technical document reporting on the work carried out under items (A) through (D) above. The report shall also evaluate options and provide suggestions and recommendations on the methodology to be utilized to prepare and finalize the guidelines.

Voluntary code of conduct of the forest industry

In light of a background paper [CFI(XXIV)/8], the Committee discussed the need for and desirability of work on a voluntary code of conduct for the forest industry. The Committee was also briefed by the Secretariat on work related to this issue carried out by FAO and CIFOR, the American Forest Paper Association, and on the progress of the initiative of the Interafrican Forest Industries Association (IFIA) to finalize and publish its forest industries code of conduct. The Committee expressed interest in further information on developments in this area, and encouraged members to continue to share information, particularly on the effectiveness of codes of conduct in general, as opposed to other forms of incentive/enforcement tools.

Review of the status of further processing of tropical timber

The Committee prepared the terms of reference on the implementation of a study to review the status of further processing of tropical timber in producing countries. The Committee agreed on the terms of reference for consultancy work, to be carried through a pre-project, to assist the Committee in its review of the status of further processing of tropical timber to be carried out in 2000. The Council approved a Committee-recommended pre-project study with the following terms of reference:

- A. Prepare a report on the current status of and trends on tropical timber further processing in producing countries, on the basis of:
 - (i) National reports submitted by member governments (standard format/contents to be recommended by consultants);
 - (ii) Surveys carried out through inquiry questionnaires directed at relevant international and national agencies, trade and industry associations, and selected individual tropical timber processing companies; and
 - (iii) Literature review.

The report should cover the main secondary processed products internationally traded, including furniture and furniture parts, moldings, doors, window frames and other joinery products.
- B. Assess the outlook for selected tropical timber further processed products into the twenty-first century, providing inter-alia, a view of products and markets where tropical timber producing countries are likely to be (or remain) competitive.
- C. Consider possible actions that ITTO, member governments and the trade and industry sectors could undertake to continue and enhance their work related to promotion of further processing of tropical timber in producer countries.

9.3 Work Programme for 2000

The Committee on Forest Industry planned its work program for the year 2000 in light of the ITTO Libreville Action Plan and on its progress implementing the 1999 work program. Besides its routine tasks related to appraisal, monitoring and evaluation of projects (Annex 6), the Committee agreed to implement in 2000 two key activities:

- (i) Consider the results of initial work carried out to develop and publish guidelines on increasing utilization efficiency and the reduction of losses and waste throughout the production chain [Action Plan, section 3.3, goal 3, action 1].
- (ii) Review the status of tropical timber further processing in producer countries [Action Plan, section 3.3, goal 1, action 2].

ANNEX 1

SUMMARY OF PROJECTS, PRE-PROJECTS AND ACTIVITIES

ECONOMIC INFORMATION AND MARKET INTELLIGENCE PROJECTS

PROJECT: PP-A/23-63
 SESSION APPROVED XXIII
 SESSION FUNDED XXIII
 STATUS: OPERATIONAL
 COUNTRY: ITTO
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$117,774.55
 STARTING YEAR: 1997

TITLE: ACTIVITY TO FACILITATE DEVELOPMENT OF A JOINT ITTO ECE-FAO/EUROSTAT FOREST STATISTICS QUESTIONNAIRE

DESCRIPTION:

This activity is implemented pursuant to Decision 8(XXI) of the International Tropical Timber Council. The meeting of experts convened by ITTO in 1998 recommended that a proposed joint questionnaire be prepared in time for distribution in 1999. Under the extension of the activity approved and funded at the Twenty-fifth Council Session, the Secretariat attended a meeting in Geneva on 19-22 January 1999 at which the joint questionnaire was finalized. The collaborating organizations (ITTO, FAO, UNECE and EUROSTAT) have continued to liaise and issued the joint questionnaire globally in May 1999. Responses were received from over 80% of ITTO's members. Almost all members covered by collaborating agencies have responded. Progress will be reviewed at a meeting of the Inter-Secretariat Working Group on Forest Statistics scheduled for February 2000.

The second component of this activity was the upgrading of ITTO's data handling capacity. A consultant was retained in June 1999 to develop a user-friendly data entry filtering and output system to assist in handling the large volumes of data processed by ITTO. This work will be completed in early 2000 in time to assist in the data processing for the 2000 Annual Review.

The Committee recommended (and Council approved) in November 1999 that \$18,099.55 remaining in the related activity PP-A/21-58 be transferred to this activity to allow work to continue in 2000.

PROJECT: PPD009/97 Rev.1 (M)
 SESSION APPROVED XXIII
 SESSION FUNDED XXIII
 STATUS: COMPLETED
 COUNTRY: PHILIPPINES
 AGENCY: FOREST MANAGEMENT BUREAU
 ITTO BUDGET(US\$) \$63,200.00
 STARTING YEAR: 1998

TITLE: DEVELOPMENT AND IMPLEMENTATION OF THE FORESTRY STATISTICS INFORMATION SYSTEM

DESCRIPTION:

This pre-project was designed to:

- i) Establish and operationalize computer-based systems that shall make available timely, reliable, and relevant information for policy formulation and decision making;
- ii) Implement manpower development programs for the forestry sector information analysis, which include personnel from the central, regional and field offices, who shall comprise the manpower required for installation and operationalization of the information systems and its computer facilities; and
- iii) Provide the facilities to activate and sustain Forest Management Bureau information systems development through continuous determination, specification, evaluation and acquisition of the technical, and hardware requirements.

The final report and audited financial statements were submitted in January 1999 together with a follow-up project proposal [PD 41/99 Rev.2 (M)]. The pre-project was declared completed and the follow-up proposal approved in May 1999.

PROJECT: PPD008/98 (M) Rev.1
 SESSION APPROVED XXV
 SESSION FUNDED XXV
 STATUS: OPERATIONAL
 COUNTRY: ECUADOR
 AGENCY: MINISTERIO DE MEDIO AMBIENTE
 ITTO BUDGET(US\$) \$40,000.00
 STARTING YEAR:

TITLE: ESTABLISHMENT OF A NATIONAL FOREST AND TIMBER MARKETING STATISTICS SYSTEM

DESCRIPTION:

This project will aim at the establishment of a National Forest Statistical Information and Timber and Timber Product Marketing System for both the domestic and international markets. The project will also facilitate the gathering, processing, storage, dissemination and access of information related to the forest sector, natural areas and wildlife, timber production and marketing, timber products, non-timber products, and flora and fauna species, as well as the preparation and training of personnel to operate the National System.

The Agreement of this project was signed in December 1999. A workplan is expected from the implementing agency to proceed with the disbursement of funds.

PROJECT: PPD026/99 (M)
 SESSION APPROVED XXVII
 SESSION FUNDED XXVII
 STATUS: PENDING AGREEMENT
 COUNTRY: ITTO
 AGENCY:
 ITTO BUDGET(US\$) \$121,500.00
 STARTING YEAR: 1999

TITLE: THE COMPETITIVENESS OF TROPICAL TIMBER AND TROPICAL TIMBER PRODUCTS VIS-A-VIS TIMBER AND NON-TIMBER SUBSTITUTES

DESCRIPTION:

The ITTO Study on the Downturn in the International Tropical Timber Market presented global data on the relative trading positions of all timber and other commodities. While it can be deduced that timber has fared better than some other commodities, the Study was not designed to examine the relative competitive positions of various timbers and timber substitutes. The present study will address this important issue.

- (i) To report on the determinants driving consumption of tropical timber and timber products, alternatives and substitutes in markets where tropical timber is, or has been, holding a sizeable market share.
- (ii) Analyse and report on such factors as availability, price, industrial infrastructure, shipping and freight, consumer taste and preferences, technical properties, etc. as they apply to endorse sectors and products, the range of which will be agreed between ITTO and the consultants.
- (iii) Report on the factors driving demand for commodity and manufactured products in Japan, a number of countries in northern and southern Europe, and the US, representing different markets in developed economies, and in a number of Producer Member Countries to represent

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markets in emerging economies.

(iv) Prepare a single seamless report on the competitiveness of tropical timber vis-a-vis alternative and substitute products. The consultants will deliver the final report in hardcopy and in electronic form.

(v) Prepare and present for the consideration of the Council a preliminary report at its Twenty-eighth Session and a final report at its Twenty-ninth Session.

At the end of 1999, independent consultants were being sought to undertake this study.

PROJECT: PPD027/99 (M)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: ITTO
AGENCY:
ITTO BUDGET(US\$) \$166,900.00
STARTING YEAR: 1999

TITLE: THE MEDIUM AND LONG-TERM OUTLOOK FOR THE TROPICAL TIMBER MARKET

DESCRIPTION:

In 1995 ITTO commissioned a study PD 28/93 entitled "Analysis of Macro-economic Trends in Supply and Demand of Sustainably Produced Tropical Timber from the Asia-Pacific region Phase II" an update of an earlier study of the same title. This study offered alternative global demand forecasts under various economic and supply scenarios. The projections in this study, along with global projections made in similar studies by the World Bank and the UN/FAO have been affected by the 1997 Asian currency crisis and subsequent turmoil in the world commodity trade. Conditions are now stabilising in most countries, currencies have stabilised, export trade has been growing and confidence has started to return to the tropical timber trade. It is, therefore, timely to provide a reassessment of the outlook for the tropical timber market. Where appropriate, this reassessment should be carried out in close association with outlook studies being carried out by other organisations such as FAO and the UN/ECE.

(i) To redefine and reassess the factors affecting global supply and demand for tropical timber and wood products. The range of producer regions and markets and the product range that will be examined in the study will be decided in liaison with the consultants.

(ii) To prepare forecasts of supply and demand for the agreed countries and for the agreed products under various assumptions, providing full details of the basis for the assumptions used in preparing the forecasts.

(iii) To present the report in such a way as to facilitate the ready updating of forecasts that can be periodically modified and updated by the ITTO Secretariat to generate forecasts reflecting changes in the sector.

(iv) Prepare and deliver to ITTO a single seamless report in hardcopy and in electronic form.

(v) Prepare and present for the consideration of the Council a preliminary report at its Twenty-eighth Session and final report at its Twenty-ninth Session.

(vi) Present the results of the study at the ITTO Annual Market Discussion.

At the end of 1999, independent consultants were being sought to undertake this study.

PROJECT: PPD013/99 Rev.1 (M, F, I)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: ECUADOR
AGENCY: COMAFORS
ITTO BUDGET(US\$) \$54,500.00
STARTING YEAR:

TITLE: MODEL COMMUNICATION AND PUBLIC AWARENESS PROGRAM FOR SUSTAINABLE FOREST DEVELOPMENT IN ECUADOR

DESCRIPTION:

The overall objective of this pre-project is to develop a project proposal for the implementation of a model communication, information and education program to promote public awareness and active community participation in the conservation and sustainable management of forest resources.

Specific objectives include:

(i) to design a communication, information and education project proposal based on a consensus and participatory approach to ensure the active and ongoing participation of the population in sustainable forest development in Ecuador.

(ii) to define mechanisms and strategies to ensure project sustainability in the long term; and

(iii) to submit the designed project to ITTO for consideration.

At the end of 1999, this pre-project was awaiting funding.

PROJECT: PPD021/99 Rev.1 (M)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: TOGO
AGENCY: ODEF
ITTO BUDGET(US\$) \$62,652.00
STARTING YEAR:

TITLE: DEVELOPMENT OF A STRATEGY FOR THE IMPROVEMENT OF THE NATIONAL SYSTEM FOR THE PROCESSING OF FORESTRY STATISTICS AND INFORMATION ON THE TIMBER MARKET

DESCRIPTION:

The current national system for collecting, processing, storing and distributing forestry statistical data is still in its infancy in Togo. Information and statistical data processed in a fragmented and sporadic fashion, published and distributed in different formats to the different parties in the forestry sector, are unreliable.

The objective of this pre-project is to assess the current situation in order to develop an improvement strategy and formulate a support project for the national forestry statistics collection and processing system. This objective is guided by a major concern, that is, to improve statistical and economic information in order to obtain reliable indicators for the improved planning of forestry programmes and the sustainable management of the country's

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forest resources.

At the end of 1999, this pre-project was awaiting funding.

PROJECT: PD167/91 Rev.1 (M)
SESSION APPROVED XI
SESSION FUNDED XII
STATUS: COMPLETED
COUNTRY: BRAZIL
AGENCY: FUNATURA
ITTO BUDGET(US\$) \$1,743,000.00
STARTING YEAR: 1993

TITLE: DIAGNOSIS AND EVALUATION OF THE BRAZILIAN FORESTRY SECTOR
DESCRIPTION:

The objectives of this project were to:

- i) Update the data and information on the Brazilian Forestry Sector.
- ii) Analyze its evolution and environmental components, through research from primary and secondary sources.
- iii) Transfer to IBAMA methodologies of surveying and of follow-up information collection, in order to equip and enhance the planning and policy formulation capacity of the public sector.
- iv) Facilitate wider dissemination of information and data among the agents of the private and public sectors, and improve capabilities for market decisions.
- v) Integrate the data and outputs of the various instruments of data collection in the forest sector, in order to improve management and use of renewable natural resources.

A final Portuguese report and a draft English summary report were presented to ITTO in May 1998, during the Twenty-second Committee meeting in Gabon, and the financial statements were submitted by Brazil at the Twenty-third Session of the Committee. The Committee declared the project complete in May 1999 and approved an ex-post evaluation for early 2000.

PROJECT: PD016/93 Rev.4 (M) IV 98
SESSION APPROVED XV
SESSION FUNDED XXIII
STATUS: COMPLETED
COUNTRY: ITTO
AGENCY: ITTO
ITTO BUDGET(US\$) \$322,200.00
STARTING YEAR: 1998

TITLE: MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS Phase IV 98

DESCRIPTION:

The year 1998 of the Phase IV of this project was designed to:

- i) Strengthen the ITTO data collection network, particularly in the three producing regions: and
- ii) Further enhance ITTO price and timber trade data bases to support Situation, Trends and Prospects Studies, as specified in the ITTO Action Plan.

The second year of the Phase IV was completed in December 1998. The Committee at its Twenty-third Session in November 1998 approved additional funding for another stage in 1999 to allow ITTO to continue to produce and distribute the bi-weekly MIS report from Yokohama.

PROJECT: PD005/94 Rev.3 (M)
SESSION APPROVED XVI
SESSION FUNDED XVI
STATUS: COMPLETED
COUNTRY: GHANA
AGENCY: FORESTRY COMMISSION OF GHANA
ITTO BUDGET(US\$) \$243,000.00
STARTING YEAR: 1995

TITLE: DEVELOPMENT OF A COMPUTERIZED INFORMATION SYSTEM FOR THE FORESTRY COMMISSION OF GHANA

DESCRIPTION:

The objective of this two-year project was the enhancement of sectoral capability and capacity to formulate, plan, monitor and evaluate policies and programmes in line with the policies of the Government of Ghana. Specific objectives were to:

- i) Establish a forestry and wildlife sector information network;
- ii) Achieve an improvement in data collection in the forest sector by developing linkages with other sector institutions in order to make data processing operational and responsive;
- iii) Ensure a timely analysis of performance of the forestry sector in accordance with the formulated national forest policy;
- iv) Establish a databank on forests and wildlife resources for dissemination to sector agencies, NGOs, universities, district assemblies, local communities, forestry enterprises, etc.; and
- v) Develop the skills of the scientific staff of the Forestry Commission in planning, evaluation and monitoring using computer techniques and technologies.

The Secretariat received the final report and audited financial statements in December 1998 and the Committee declared the project complete in May 1999. An ex-post evaluation for this project was carried out in 1999 and reported to the Committee at its November Session.

PROJECT: PD034/94 Rev.1 (M)
SESSION APPROVED XVI
SESSION FUNDED XVII
STATUS: COMPLETED
COUNTRY: COLOMBIA
AGENCY: Ministry of the Environment (Formerly INDERENA)
ITTO BUDGET(US\$) \$839,158.00
STARTING YEAR: 1996

TITLE: ESTABLISHMENT AND IMPLEMENTATION OF A FOREST STATISTICAL INFORMATION SYSTEM

DESCRIPTION:

This project proposed the establishment of a national forestry statistical information system under the initial tutelage of INDERENA (National Institute for Renewable Natural Resources and Environment) and eventually of the recently created Ministry for the Environment. The system was intended to gather, process, access, store, and disseminate all information related to the forest sector to serve as a basis for forest policy development and decision-making. The project's specific objectives were to:

- i) Develop standardized statistical methods for the collection, compilation, processing and analysis of information related to this sector.
- ii) Create a centralized database to process information on reforestation, forest management, deforestation, forest harvesting, timber industries and processing, and domestic and international markets for national forest resources and products.

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iii) Implement a network of national coverage consisting of the National Statistics Department (DANE), the National Tax and Customs Directorate (DIAN), all Regional Autonomous Corporations and INDERENA's regional offices to source all relevant raw and semi-processed data.

iv) Train key personnel belonging to the aforementioned network so as to improve the content, accuracy, collection, processing, transmission and dissemination of forest data and statistics.

The project completed activities in March 1999 and the final report and audited financial statements were presented to ITTO in June 1999 during the Twenty-fourth Session of the Committee. The Committee declared the project completed in June 1999.

PROJECT: PD035/94 Rev.4 (M.I)
SESSION APPROVED XVI
SESSION FUNDED XVI
STATUS: COMPLETED
COUNTRY: PAPUA NEW GUINEA
AGENCY: PAPUA NEW GUINEA FOREST
AUTHORITY
ITTO BUDGET(US\$) \$409,340.00
STARTING YEAR: 1995

TITLE: FOREST PRODUCTS MARKETING ORGANIZATION FEASIBILITY STUDY
DESCRIPTION:

This project was a feasibility study for the establishment of a Wood Products Marketing Organization. The specific objectives were to assess the conceptual, institutional, technical and financial feasibility of establishing an industry-supported marketing association.

The main objectives of this Wood Products Marketing Organization were to:

- i) Identify and quantify export markets;
- ii) Gain access to foreign markets and secure orders;
- iii) Deliver orders to members based on their production capabilities;
- iv) Coordinate delivery from members to a central yard;
- v) Manage a central facility for storing, processing, grading, sorting and bundling wood products;
- vi) Provide coastal shipping services for both members' products and supplies;
- vii) Inspect members' products for compliance with market standards; and
- viii) Promote members' current and potential products.

The project had five specific milestones

- Milestone 1: Market Prospects for Processed Forest Products from Selected Resources in PNG
- Milestone 2: Logging and Processing Costs in PNG
- Milestone 3: Potential for Market Development and Promotion
- Milestones 4 and 5: Market Intelligence in the PNG Forest Authority and Review of the State Purchase Option

The project completed activities in May 1998 and submitted a six-volume final report at the end of May. The reports include key conclusions and recommendations for the PNG forest products sector in regard to potential domestic processing developments, production costs in the forest sector and opportunities for improving market development, promotion and market intelligence. The audited financial statement was accepted in March 1999 and the project was declared completed by the Committee in May 1999.

PROJECT: PD029/96 Rev.1 (M)
SESSION APPROVED XX
SESSION FUNDED XXI
STATUS: COMPLETED
COUNTRY: GABON
AGENCY: THE DEPARTMENT OF FORESTRY
(DIARF)
ITTO BUDGET(US\$) \$231,375.00
STARTING YEAR: 1997

TITLE: REINFORCEMENT OF THE NATIONAL SYSTEM FOR THE COLLECTION AND PROCESSING OF FOREST STATISTICS AND SUPPORT FOR THE TRAINING OF FIELD UNITS
DESCRIPTION:

This project was a follow-up to a previous ITTO project in Gabon, PD36/92 (M) "Collection and Computer Processing of Forest Statistics with a View to Improving the Management of Forest Resources of Gabon". The project intended to address several problems which were identified during the implementation of PD36/92 (M), notable among which was the manual collection and processing of data at the local and regional level. The project proposed to establish a central system for computerized data collection and processing, equip regional offices with computers and to train some 10 staff members. Project activities were completed in July 1998 and the final report and audited financial statements were submitted to ITTO in August 1998. The project was declared completed by the Committee of Economic Information and Market Intelligence at its Twenty-third Session, which approved an ex-post evaluation for this project in 1999 due to the intention of Gabon to continue this work under PD15/98 (M).

PROJECT: PD016/93 Rev.4 (M) IV 99
SESSION APPROVED XV
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: ITTO
AGENCY: ITTO
ITTO BUDGET(US\$) \$259,000.00
STARTING YEAR: 1999

TITLE: MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS Phase IV 99
DESCRIPTION:

The year 1999 of Phase IV of this project was designed to:

- i) Strengthen the ITTO data collection network, particularly in the three producing regions; and
- ii) Further enhance ITTO price and timber trade data bases to support Situation, Trends and Prospects Studies, as specified in the ITTO Action Plan.

The Year 1999 of this Phase IV was completed in December 1999. The Committee at its Twenty-fifth Session in November 1999 approved additional funding for the year 2000 of this project to allow ITTO to continue to produce and distribute the bi-weekly MIS report from Yokohama.

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PROJECT: PD001/95 Rev.4 (M)
SESSION APPROVED XXII
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: INDONESIA
AGENCY: INDONESIAN ECOLABELLING WORKING GROUP
ITTO BUDGET(US\$) \$672.774.00
STARTING YEAR: 1998

TITLE: TRAINING DEVELOPMENT ON THE ASSESSMENT OF SUSTAINABLE FOREST MANAGEMENT IN INDONESIA

DESCRIPTION:

The project aims to strengthen the institutional capacity to assure implementation of sustainable forest management (SFM) and to develop human resources capability in investigation and inspection of SFM. The major output of the project will be solid curriculum and training materials for inspection of SFM, wider availability of human resource bases for SFM combined with deepened knowledge on SFM, and strengthened institutional bases for implementation of SFM.

As at the end of 1999, the steering committee had met twice and had noted the satisfactory progress of the project. The Committee on Economic Information and Market Intelligence at its Twenty-fifth meeting considered and approved the extension in time and amendment of budget without additional funds for the project as requested by the implementing agency.

PROJECT: PD025/95 Rev.1 (M)
SESSION APPROVED XX
SESSION FUNDED XX
STATUS: OPERATIONAL
COUNTRY: ITTO
AGENCY: ITTO
ITTO BUDGET(US\$) \$1,013,960.00
STARTING YEAR: 1996

TITLE: TRAINING WORKSHOPS ON TROPICAL FORESTRY AND TIMBER TRADE STATISTICS

DESCRIPTION:

This project is a continuation of the series of workshops initiated under Project PD 118/90 (M) and PD 27/93 Rev.3 (M). The project's overall objective is to contribute on a continuing basis to the collection, analysis and dissemination of tropical forest resource, production and trade statistics. Its output is fundamental to the implementation of ITTO's Action Plan in the area of statistical and economic information, to the building up of ITTO's in-house statistical capability, and in assisting member countries to improve the quality of their statistics.

Given the large numbers of prospective beneficiaries, the project involved 6 regional workshops, two each in the producing regions of Africa (French), Asia-Pacific (English) and Latin America/Caribbean (Spanish). In 1999 were held the last two workshops of the project (Latin America and Africa). The fifth workshop for Spanish speaking countries was held in Curitiba, Brazil from 21 June 1999 to 9 July 1999 with the assistance of the Fundacao da Universidade Federal do Parana (FUNPAR). A total of 25 participants from 8 countries (Bolivia, Brazil, Colombia, Ecuador, Honduras, Panama, Peru, and Venezuela) attended the workshop. Lectures were delivered by Professor Siqueira (course coordinator), local officials and the representatives of ITTO. The sixth and last workshop under the project was held in Lome, Togo from 29 November to 17 December 1999 with the assistance of the Office of Developpement et d'Exploitation des Forets (ODEF). Twenty-one participants from seven countries (Cameroon, Central African Republic, Gabon, Ivory Coast, Togo, Republic of Congo and Democratic Republic of Congo) took part in the workshop. Lectures were delivered by Professor Gerard Buttoud (course coordinator), local officials and the representatives of ITTO.

The Committee of Economic Information and Market Intelligence at its Twenty-fourth Session in May 1999 approved a final workshop for 2000 if sufficient project funds were remaining.

PROJECT: PD027/95 Rev.3 (M) II 1
SESSION APPROVED XXIV
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: PERU
AGENCY: INRENA
ITTO BUDGET(US\$) \$478,080.00
STARTING YEAR: 1998

TITLE: ESTABLISHMENT AND OPERATION OF A FOREST STRATEGIC INFORMATION CENTER (CIEF) PHASE II STAGE I

DESCRIPTION:

Stage I of Phase II of this project is designed to extend the CIEF system to all regions in Peru. The objective of the CIEF is the establishment and operation of a forest strategic information center, as the basis for the sustainable development of tropical forests in the country. This center aims to offer information services through a computer network, with access to statistical/economic and imagery/cartographic databases. It is centered on a work station system, which allows users to communicate and manage information from the database.

Due to the freezing of project funds in a local bank, CIEF operated with a skeleton staff and a minimum budget requiring the re-scheduling of activities in the first 8 months of 1999. Following the Committee's recommendation at its May 1999 Session, a project steering committee was convened in August 1999 and arrangements were made to continue the project, including the release of the second tranche of funds. The statistical and imagery databases became fully operational in all but two of the regional nodes in 1999, with work at the final nodes to be completed in 2000 when the final report is expected.

PROJECT: PD025/96 Rev.2 (M)
SESSION APPROVED XXI
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: CHINA
AGENCY: CHINESE ACADEMY OF FORESTRY
ITTO BUDGET(US\$) \$177,915.00
STARTING YEAR: 1997

TITLE: CHINA'S CONSUMPTION OF FOREST PRODUCTS AND ITS DEMAND FOR THEM IN THE INTERNATIONAL MARKET BY THE YEAR 2010

DESCRIPTION:

This project proposal is a reformulation of an earlier proposal PD23/95 (M) which was reviewed by the Expert Panel at its Tenth Session in August 1995, and resubmitted as PD25/96 (M) at the Eleventh Session in February 1996. It is designed as a follow-up to a completed project PD 42/88 Rev.1 (M) which provided forecasts to the year 2000 on China's production, consumption and trade of tropical forest products. The present proposal extends the scope of that study to provide forecasts up to the year 2010, taking into account new data and developments.

In August 1999 the project completed the forecast of China's forest products consumption and

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demand for tropical forest products up to the year 2010. The final report in English, French and Spanish is available from ITTO. The final report and the audited financial statement have been submitted to ITTO.

PROJECT: PD040/96 Rev.5 (M)
SESSION APPROVED XXV
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: EGYPT
AGENCY: THE CENTRAL ADMINISTRATION FOR
AFFORESTATION
ITTO BUDGET(US\$) \$274,300.00
STARTING YEAR: 2000

TITLE: THE ESTABLISHMENT OF A NATIONAL STATISTICAL INFORMATION
SYSTEM FOR IMPORTED TIMBER AND TIMBER PRODUCTS

DESCRIPTION:

The project is designed to establish a Forestry and Timber Statistics Unit based on computerized data, which will allow more rapid processing, better validation and provide basic information for more detailed analysis. Linked to this, it is proposed to study and monitor the operations of the sector to clarify opportunities for improving efficiency and profitability, creating new market openings and reducing costs to consumers.

The first tranche of funds was disbursed in December 1999. A monitoring mission will be held in early 2000.

PROJECT: PD044/96 Rev.2 (M)
SESSION APPROVED XXI
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: PANAMA
AGENCY: INRENARE
ITTO BUDGET(US\$) \$232,100.00
STARTING YEAR: 1997

TITLE: ESTABLISHMENT OF A FOREST STATISTICS INFORMATION SYSTEM

DESCRIPTION:

The project has been designed to establish a National Forest Statistical Information System to provide efficient flow of information to facilitate policy development and planning for the improvement of the forest sector. Its other objectives are to:

- i) Establish a database to process information and statistical data on the forest sector, including the domestic and international markets for timber and other forest resources and products;
- ii) Train the personnel needed for the functioning of the system;
- iii) Identify and establish appropriate computer infrastructure; and
- iv) Strengthen the capabilities of the national institution responsible for forest sector development.

The project is scheduled to complete activities in the first semester of 2000.

PROJECT: PD001/97 Rev.1 (M)
SESSION APPROVED XXII
SESSION FUNDED XXII
STATUS: OPERATIONAL
COUNTRY: BOLIVIA
AGENCY: MIN. OF AGRICULTURE, LIVESTOCK AND
RURAL DEVELOPMENT
ITTO BUDGET(US\$) \$839,745.00
STARTING YEAR: 1998

TITLE: IMPLEMENTATION OF A NATIONAL FOREST STATISTICAL
INFORMATION SYSTEM

DESCRIPTION:

This three-year project is aimed at the implementation of a national forest statistical information system, which is considered vital for the consistent formulation of the Forestry Action Plan for Bolivia (FAP-BOL). The project will have a central unit which will promote, coordinate and operate the system, and will disseminate the information to users at different levels. In this regard, the development objective of the project will be "to establish a national forest statistical information system that will facilitate the gathering, processing storage, dissemination and access to all information pertaining to the forest sector, that will be used as the basis for the development of policies and for the decision-making process in the sector".

The national forest statistics system (SIFOR/BOL) comprises three modules: production, export and import. The project has also formalized agreements with relevant national institutions to facilitate the operations of the system. The project's technical staff have visited similar projects in Colombia and Peru to gain experience in the project implementation. The statistics system is scheduled to start operating by June 2000.

PROJECT: PD003/97 Rev.1 (M)
SESSION APPROVED XXII
SESSION FUNDED XXII
STATUS: OPERATIONAL
COUNTRY: FIJI
AGENCY: FORESTRY DEPARTMENT
ITTO BUDGET(US\$) \$125,300.00
STARTING YEAR: 1999

TITLE: DEVELOPMENT OF AN EXPORT MARKET INTELLIGENCE MONITORING
SYSTEM

DESCRIPTION:

This project is designed to:

- i) Set up an export market intelligence monitoring system for the Forestry Department;
- ii) Integrate that system with the forest resource/utilization system so that both the Forestry Department and the timber industry in the country could develop marketing strategies which can optimize sustainable forest management.

Most project activities were completed in 1999. A monitoring mission was undertaken in November 1999 to review progress. The final report is expected in early 2000.

PROJECT: PD052/97 Rev.3 (M) I
SESSION APPROVED XXIII
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: GHANA
AGENCY: IHPA
ITTO BUDGET(US\$) \$120,000.00
STARTING YEAR: 2000

TITLE: DEVELOPMENT AND IMPLEMENTATION OF AN EDUCATIONAL
PROGRAM TO INFORM THE WOOD PRODUCTS DISTRIBUTION CHAIN
ON THE VALUE OF USING TROPICAL TIMBERS FROM ITTO MEMBER
COUNTRIES - PHASE I

DESCRIPTION:

This project consists of two phases. This is the first phase of this project. The Ghana Timber Export Development Board (GTEDB) in collaboration with the International Wood Products Association (IWPA) will aim to undertake a literature development and distribution program about the benefits of purchasing products containing tropical woods. This would be directed at industry buyers, specifiers, wholesalers, distributors and retailers (the "distribution chain") in

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the United States.

This program will include a survey to evaluate the effectiveness of the program and its potential for broad applications to other products and markets. IWPA proposes that, based on analysis of the program, ITTO could choose to conduct seminars to share the results with producer and consumer countries for possible application to other markets.

The Project Agreement was signed in November 1999 but the Executing Agency has not indicated that it is prepared to start the project.

PROJECT: PD039/98 Rev.2 (M)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: CHINA
AGENCY: CHINESE ACADEMY OF FORESTRY
ITTO BUDGET(US\$) \$340,774.00
STARTING YEAR: 1999

TITLE: RESEARCH ON VALUE ACCOUNTING OF TROPICAL FOREST ENVIRONMENTAL RESOURCES AND BRINGING OF IT IN LINE WITH THE NATIONAL ECONOMIC ACCOUNTING SYSTEM IN CHINA

DESCRIPTION:

The specific objectives of the project include:

- i) to accomplish the current stock and value accounting of China's tropical forest environmental resources; renovate tropical forest values; and form a theory and methodological system of the accounting of tropical forest environment;
- ii) to put forward the plan of bringing the tropical forest environment accounting in line with the national economic accounting system and the proposal of environmental policies.

The Project Agreement was signed in December 1999 and the Executing Agency submitted a workplan, details of the bank account to be used and indicated that project activities would begin in mid January 2000. The first disbursement of funds was made at the end of December 1999.

PROJECT: PD015/98 Rev.2 (M)
SESSION APPROVED XXV
SESSION FUNDED XXVI
STATUS: PENDING AGREEMENT
COUNTRY: GABON
AGENCY: DIRECTION GENERALE DES EAUX ET FORETS
ITTO BUDGET(US\$) \$471,691.00
STARTING YEAR:

TITLE: DEVELOPMENT OF AN EXPERIMENTAL PROTOTYPE OF COMPUTER MANAGEMENT SYSTEM FOR THE CONTROL OF FOREST PRODUCTION IN GABON

DESCRIPTION:

This project aims to establish a management information system contributing to the acquisition of reliable and up-to-date information concerning forest production activities, and integrating it with computer systems already set up within the Ministry of Water & Forests. The project will put in place management and control procedures to standardize the collection, data-entry and processing of data, and to coordinate the activities of different involved organizations such as government authorities, trade groups, and logging companies. The Project Agreement is expected to be signed in early 2000.

PROJECT: PD048/99 Rev.1 (M, F)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: MALAYSIA
AGENCY: FOREST DEPARTMENT OF PENINSULAR MALAYSIA
ITTO BUDGET(US\$) \$754,325.00
STARTING YEAR:

TITLE: SHARING OF INFORMATION AND EXPERIENCES ON PRIVATE SECTOR SUCCESS STORIES IN SUSTAINABLE FOREST MANAGEMENT

DESCRIPTION:

This project aims to promote the sustainable management of tropical forests by facilitating access to and enhancing awareness of information and experiences regarding sustainable forest management at the company level. The project will survey at least 500 forestry companies active in the three tropical regions, and will prepare detailed case studies on 10 of these identified as excelling in sustainable tropical forest management. The results of the project will be widely disseminated via an international conference and a book to be made available to the general public and to be sent to at least 5000 forest industry companies worldwide.

As at end of 1999, the Project Agreement was in the process of being prepared.

PROJECT: PD055/99 Rev.1 (M)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: P.R. CHINA
AGENCY: ISTIF/CAF
ITTO BUDGET(US\$) \$255,100.00
STARTING YEAR:

TITLE: ESTABLISHMENT OF SUSTAINABLE TROPICAL FOREST PRODUCTS INFORMATION SYSTEM IN CHINA

DESCRIPTION:

This project is designed to:

- i) to establish an independent and sustainable statistical system on production, consumption and trade of tropical forest products in China;
- ii) to perform research on the impacts of the full implementation of the Natural Forest Protection Program by the Chinese Government on the domestic and international forest products markets (especially the tropical forest products market) and propose the policies and measures to meet the future demand of forest products.

The Project Agreement is expected to be signed in early 2000.

PROJECT: PD027/95 Rev.3 (M) II 2
SESSION APPROVED XX
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: PERU
AGENCY: INRENA
ITTO BUDGET(US\$) \$462,062.00
STARTING YEAR:

TITLE: ESTABLISHMENT AND OPERATION OF A FOREST STRATEGIC INFORMATION CENTER (CIEF) - PHASE II STAGE 2

DESCRIPTION:

This is the second stage of Phase II of this project that aims to complete the coverage of the CIEF to all regions in Peru. The objective of the CIEF was the establishment and operation of a forest strategic information center, as the basis for the sustainable development of tropical forests in the country. This center aims to offer information services through a computer network, with access to statistical/economic and imagery/cartographic databases. It is centered

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<p>PROJECT: PD039/96 Rev.3 (M) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: REPUBLIC OF CONGO AGENCY: DIRECTION GENERALE DE L'ECONOMIE FORESTIERE ITTO BUDGET(US\$) \$557.072.00 STARTING YEAR:</p>	<p>on a work station system, which will allow users to communicate and manage information from the databases. Stage 2 will be considered for financing in 2000 following completion of stage 1.</p> <p>TITLE: CREATION OF A NATIONAL SYSTEM FOR COLLECTION AND PROCESSING OF FOREST STATISTICS OF CONGO</p> <p>DESCRIPTION: The specific objective of this proposal is to create a database to process information relating to the state of the forest resource, forest management, forest production, forest industries, reforestation, conservation of forest ecosystems and the internal and external markets for national forest products.</p> <p>At the end of 1999, this project was awaiting funding.</p>
<p>PROJECT: PD052/97 Rev.3 (M) II SESSION APPROVED XXIII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: GHANA AGENCY: IHPA ITTO BUDGET(US\$) \$180.994.00 STARTING YEAR:</p>	<p>TITLE: DEVELOPMENT AND IMPLEMENTATION OF AN EDUCATIONAL PROGRAM TO INFORM THE WOOD PRODUCTS DISTRIBUTION CHAIN ON THE VALUE OF USING TROPICAL TIMBERS FROM ITTO MEMBER COUNTRIES - PHASE II</p> <p>DESCRIPTION: This is the second phase of this Ghanaian project. The International Wood Products Association (IWPA) will aim to undertake a literature development and distribution program about the benefits of purchasing products containing tropical woods. This would be directed at industry buyers, specifiers, wholesalers, distributors and retailers (the "distribution chain") in the United States.</p> <p>This program will include a survey to evaluate the effectiveness of the program and its potential for broad applications to other products and markets. IWPA proposes that, based on analysis of the program, ITTO could choose to conduct seminars to share the results with producer and consumer countries for possible application to other markets.</p> <p>The second phase will be considered for financing in 2001 following completion of the first phase.</p>
<p>PROJECT: PD006/98 Rev.1 (M) SESSION APPROVED XXV SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: HONDURAS AGENCY: NATIONAL FOREST ADMINISTRATION. AFE-COHDEFOR ITTO BUDGET(US\$) \$400.900.00 STARTING YEAR:</p>	<p>TITLE: ESTABLISHMENT OF A FOREST STATISTICS AND INFORMATION CENTER FOR THE IMPLEMENTATION OF SUSTAINABLE FOREST MANAGEMENT IN THE REPUBLIC OF HONDURAS</p> <p>DESCRIPTION: This project will aim at the establishment of a forest statistics and information system, which will constitute a vital tool for the implementation of sustainable forest management in the Republic of Honduras with a view to complying with the sustainable development principles stipulated in the Forestry Action Plan for Honduras (PLANFOR) and with the commitments undertaken by the Government with various international institutions and agencies. The project will have a central unit which will coordinate and operate the system in a dynamic and efficient manner, and will make the information accessible to users at different levels.</p> <p>In this regard, the development objective of the project is "to contribute to the socio-economic and environmental development of the country through sustainable forest activities by providing reliable, timely and easy-to-access information to government (forest and related) institutions and the private sector with a view to promoting national and foreign investment".</p> <p>At the end of 1999, this project was awaiting funding.</p>
<p>PROJECT: PD047/98 Rev.2 (M) SESSION APPROVED XXVI SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: CAMEROON AGENCY: OFFICE NATIONAL DE DEVELOPPEMENT DES FORETS (ONADEF) ITTO BUDGET(US\$) \$271.198.00 STARTING YEAR:</p>	<p>TITLE: ESTABLISHING A DATA COLLECTION AND DISSEMINATION SYSTEM ON A SUSTAINABLE BASIS FOR TIMBER MARKETING STATISTICS IN CAMEROON</p> <p>DESCRIPTION: The development objective of the project is to regularly acquire reliable data on the timber market in order to design appropriate policies and economic planning for forest industries.</p> <p>Two specific objectives are considered, namely: i) In the forest product training points of two major sea ports and in ONADEF headquarters, installing the computer equipment required for the collection, processing and compilation of statistical data on timber marketing in order to disseminate such information on a regular basis; ii) training personnel in the use of computer equipment and providing expertise in the use of statistical data compilation and dissemination for timber marketing.</p> <p>At the end of 1999, this project was awaiting funding.</p>
<p>PROJECT: PD041/99 Rev.2 (M) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE</p>	<p>TITLE: DEVELOPMENT AND IMPLEMENTATION OF THE PILOT PROJECT OF THE FORESTRY STATISTICS INFORMATION SYSTEM (FSIS) - PHASE I</p> <p>DESCRIPTION: The Forest Management Bureau (FMB), a staff bureau of the Department of Environment and</p>

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COUNTRY: THE PHILIPPINES
 AGENCY: FOREST MANAGEMENT BUREAU (FMB)
 OF DENR
 ITTO BUDGET(US\$) \$560,823.00
 STARTING YEAR:

Natural Resources (DENR), is mandated to provide support for the effective protection, development, occupancy management, and conservation of forestlands and watersheds. In view of this mandate, the FMB provides technical support and assist in the monitoring of all forestry-related projects, programs and activities that the DENR is presently pursuing.

As a critical factor in the efforts of the FMB to support all of these activities, there is a need to provide all the necessary information to all the different actors for the effective implementation of these projects. There is a need to manage the tremendous quantity of data that is generated from all these activities and transform them into meaningful information that will provide support for the effective supervision and monitoring of all these projects and planning future interventions.

To address the issue, the FMB is undertaking the development and implementation of the Forestry Statistics Information System. This project will support all the information requirements to implement its mandate, ensure the timely flow of information within the organization to support policy decision makers, and optimize the use of available people and technology within the DENR.

At the end of 1999, this project was awaiting funding.

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PROJECT: PPD024/99 (I)
 SESSION APPROVED XXV
 SESSION FUNDED XXV
 STATUS: PENDING AGREEMENT
 COUNTRY: ITTO
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$110,500.00
 STARTING YEAR:

TITLE: INCREASING UTILIZATION EFFICIENCY AND THE REDUCTION OF LOSSES AND WASTE THROUGHOUT THE PRODUCTION CHAIN

DESCRIPTION:

This pre-project study will support the development of draft guidelines on increasing utilization efficiency and the reduction of losses and waste throughout the tropical timber production chain. The study will:

- (1) Carry out a comprehensive review of previous work related to guidelines on increasing timber utilization efficiency and the reduction of losses and waste with a focus on saw milling and plywood manufacturing processes and products;
- (2) Undertake a survey to determine conversion efficiency in a representative sample of producers tropical timber-based export saw milling and veneer/plywood industries;
- (3) Analyze producers efficiency vis-à-vis efficiency in countries which are more advanced in log conversion and in utilization of main products and waste; and
- (4) Compile and assess information and data on policies, measures and technologies which contribute to increase utilization efficiency and to reduce losses and waste throughout the production chain.

PROJECT: PPD025/99 (I)
 SESSION APPROVED XXV
 SESSION FUNDED XXV
 STATUS: PENDING AGREEMENT
 COUNTRY: ITTO
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$110,500.00
 STARTING YEAR:

TITLE: REVIEW OF THE STATUS OF FURTHER PROCESSING OF TROPICAL TIMBER IN PRODUCING COUNTRIES

DESCRIPTION:

This pre-project study will review the status of further processing of tropical timber in producing countries. The study will:

- (1) Prepare a report on the current status of and trends on tropical timber further processing producing countries;
- (2) Assess the outlook for selected tropical timber further processed products into the twenty-first century, providing inter-alia, a view of products and markets where tropical timber producing countries are likely to be (or remain) competitive; and
- (3) Consider possible actions that ITTO, member governments and the trade and industry sectors could undertake to continue and enhance their work related to promotion of further processing of tropical timber in producer countries.

PROJECT: PPD012/96 Rev.1 (M.I)
 SESSION APPROVED XXI
 SESSION FUNDED XXI
 STATUS: COMPLETED
 COUNTRY: PHILIPPINES
 AGENCY: FPRDI
 ITTO BUDGET(US\$) \$50,957.00
 STARTING YEAR: 1997

TITLE: DEVELOPMENT AND IMPLEMENTATION OF STRESS GRADING RULES FOR TROPICAL TIMBER

DESCRIPTION:

This pre-project will assess the viability of implementing stress grading rules for tropical timber used by the construction industry in the Philippines. The assessment comprises of an exhaustive technical review of stress grading systems applicable to tropical timber, determination of the required effectiveness of a stress grading system appropriate for the Philippine situation and an economic analysis.

FOREST INDUSTRY PROJECTS

PROJECT: PPD004/98 Rev.1 (I)
SESSION APPROVED XXIV
SESSION FUNDED XXIV
STATUS: COMPLETED
COUNTRY: THAILAND
AGENCY: FOREST RESEARCH OFFICE, ROYAL
FOREST DEPT. OF THAILAND
ITTO BUDGET(US\$) \$89,886.00
STARTING YEAR: 1998

TITLE: PROMOTION OF TROPICAL NON-WOOD FOREST PRODUCTS IN
THAILAND

DESCRIPTION:

This pre-project surveyed non-wood forest product (NWFP) resources and their utilization and trade in four pilot areas in the community forests in the north, northeast, west and south of Thailand. Data and information were collected on NWFP availability, collection and harvesting methods, uses, marketing procedures, and markets. The socio-economic situation of forest dwellers engaged in NWFP collection, processing, storage and trade was also assessed. The pre-project produced a technical report on the current situation of production, utilization and marketing of NWFPs from four pilot sites in Thailand. This report includes the results of four surveys of the current situation and potential of NWFPs in four community forests. The results of the survey were discussed in a 3-day workshop planned to promote development of sustainable production and trade of NWFPs in Thailand. The workshop was held at Nevada Grand Hotel, Ubolrajchatanee province on 6-8 July 1999. The workshop also discussed promising tropical NWFPs (bamboo, rattan, sugar palm and spices and medicinal plants).

PROJECT: PPD050/91 (I)
SESSION APPROVED XI
SESSION FUNDED XI
STATUS: OPERATIONAL
COUNTRY: DEMOCRATIC REPUBLIC OF CONGO
AGENCY: ITTO
ITTO BUDGET(US\$) \$44,000.00
STARTING YEAR: 1992

TITLE: PROVISION OF ASSISTANCE FOR REASSESSMENT AND
REFORMULATION OF ZAIRIAN PROJECT PROPOSALS PD205/91 (I)
"NATIONAL SAW MAINTENANCE CENTRE." AND PD209/91 (I) "STUDY
OF ZAIRIAN TIMBER WITH A VIEW TO PROMOTING CERTAIN SPECIES"

DESCRIPTION:

In coordination with the Zairian TFAP follow-up unit, this pre-project is assisting the Government of Zaire in preparing project proposals for presentation to ITTO, under the following terms of reference: (i) assess the wood production situation in Zaire, including the status and prospects for utilization and promotion of lesser-used species; (ii) on the basis of the findings of activity (i) and taking account the Zairian institutional capability and institutional support that may be needed, develop the project profile presented under PD 209/91 into a full project proposal; (iii) review and assess availability of appropriate saws and sawdoctoring training needs in Zaire and prepare recommendations for action to fill gaps, in light of ITTO priorities set up in the Action Plan. The planned activities may include the development of a full project proposal based on the profile presented under PD 205/91.

PROJECT: PPD001/98 Rev.2 (I)
SESSION APPROVED 24
SESSION FUNDED
STATUS: OPERATIONAL
COUNTRY: THAILAND
AGENCY: ROYAL FOREST OFFICE, ROYAL FOREST
DEPT. OF THAILAND
ITTO BUDGET(US\$) \$82,290.00
STARTING YEAR: 1999

TITLE: RUBBERWOOD UTILIZATION AND MARKETING IN THAILAND

DESCRIPTION:

This 10-month pre-project will formulate a strategic plan to promote and encourage adjustment and further development of the rubberwood processing industry in Thailand. In order to formulate the plan, the pre-project will carry out an assessment of the current situation of the rubberwood industry in the country and organize and convene two workshops for consultations and discussions. A project outlining a work strategy and proposing implementation of selected activities designed to assist improving rubberwood processing and marketing will also be formulated under this pre-project.

PROJECT: PPD005/98 Rev.2 (M.I)
SESSION APPROVED XXIV
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: PERU
AGENCY: NATIONAL FORESTRY CHAMBER
(CAMARA NACIONAL FORESTAL)
ITTO BUDGET(US\$) \$53,805.00
STARTING YEAR: 1999

TITLE: TECHNICAL ASSISTANCE TO INCREASE PRODUCTION AND IMPROVE
COMPETITIVENESS IN THE TIMBER AND FURNITURE INDUSTRIES OF
PERU

DESCRIPTION:

This 6-month pre-project study will prepare a technical assistance and training program for the development of the timber and furniture industry in Peru. The current situation of the industry will be studied, and its efficiency, productivity and competitiveness will be assessed. Identified technical assistance and training needs and proposals to improve the situation will be discussed in a workshop, with participation of experts, representatives of industry and non-government organizations. A project proposal addressing technical assistance and training needs of the timber industry will be prepared for submission to ITTO.

PROJECT: PPD013/98 Rev.2 (I)
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: FIJI
AGENCY: FIJI FORESTRY DEPARTMENT
ITTO BUDGET(US\$) \$50,013.00
STARTING YEAR: 1999

TITLE: ASSESSMENT OF FOREST INDUSTRY TRAINING NEEDS

DESCRIPTION:

This 6-month pre-project will survey and assess the training needs of the forest industry sector in Fiji. The studies will include a review of existing and required skills and training resources/facilities, followed by the formulation of a training strategy for the forest industry sector. The results of these studies will be discussed in a workshop with participation of all major stakeholders in the forest industry sector. Based on the results of the pre-project studies and workshop, a project proposal to provide technical assistance and skills training for the forest industry sector will be prepared and submitted to ITTO.

PROJECT: PPD015/98 Rev.2 (I)
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: OPERATIONAL

TITLE: JOINT ATO/ITTO CONFERENCE ON FURTHER PROCESSING OF AFRICAN
TROPICAL TIMBER

DESCRIPTION:

FOREST INDUSTRY PROJECTS

STATUS:
COUNTRY: GABON
AGENCY: WATER AND FOREST RESOURCES
DEPARTMENT/ATO
ITTO BUDGET(US\$) \$222,078.00
STARTING YEAR: 1999

This 3-month pre-project will organize and convene a joint ATO ITTO conference on further processing of African tropical timber. The conference will be preceded by studies (i) to review current market and industrialization trends related to African tropical timbers, and (ii) to analyze past and present industrialization experiences in African, viz a viz the experiences of southeast Asia and Latin America. A working document with recommending strategies to enhance industrialization in Africa will be prepared and distributed to participants prior to the conference. The organization and convening of this conference will provide an opportunity to strengthen cooperation between ATO and ITTO and to promote investment in the African timber processing industries.

PROJECT: PPD001/99 Rev.2 (I)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: CAMBODIA
AGENCY: DEPARTMENT OF FORESTRY AND
WILDLIFE
ITTO BUDGET(US\$) \$58,363.00
STARTING YEAR: 2000

TITLE: HUMAN RESOURCES DEVELOPMENT FOR THE IMPROVEMENT OF
FOREST INDUSTRY IN CAMBODIA

DESCRIPTION:

This 4 month pre-project will provide a detailed analysis of the training needs of the forest industry in Cambodia. The pre-project will also identify strategies for human resources development and for upgrading technologies of wood processing, with a view to improving productivity of the forest industry sector. Before pre-project completion, the results of the pre-project studies will be discussed in a workshop and a project proposal addressing technical assistance and training needs of the forest industry sector will be prepared and submitted to ITTO.

PROJECT: PPD006/99 Rev.3 (M.F.I)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: OPERATIONAL
COUNTRY: NEPAL
AGENCY: MINISTRY OF FORESTS AND SOIL
CONSERVATION
ITTO BUDGET(US\$) \$49,772.00
STARTING YEAR: 2000

TITLE: PROMOTION OF NON TIMBER FOREST PRODUCTS IN TERAI REGION OF
NEPAL

DESCRIPTION:

Non-timber forest products (NTFPs) play an important role in the economy of the Terai region of Nepal. Many medicinal plants currently have export markets in India, Germany, Japan, France and Malaysia, however certain NTFP species are facing extinction or degradation. At present there is a lack of information on propagation, sustained yield, appropriate harvesting techniques, best harvesting season, storage and processing. This pre-project will assess the present status in the management of NTFPs in three of Nepals Terai districts (Banke, Parsa and Morang) by determining the current use, identifying the potential and means for increasing production. These districts contain a large quantity of medicinal and aromatic plants which are annually harvested. The pre-project will include a quantitative resource assessment, determination of the annual quantity of NTFP collected, methods of collection, drying and storage practices, and the examination of the socio-economic condition of local people involved in NTFP production.

PROJECT: PPD011/99 Rev.1 (I)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: COTE D'IVOIRE
AGENCY: SODEFOR
ITTO BUDGET(US\$) \$130,504.00
STARTING YEAR: 2000

TITLE: REGIONAL DEVELOPMENT OF THE RUBBERWOOD INDUSTRY IN COTE
D'IVOIRE (PHASE 1)

DESCRIPTION:

The pre-project aims at helping relieve the pressure on the natural forests of Cote d'Ivoire, through agriculture as well as forest utilization, by promoting the regional development of the rubberwood industry. Rubberwood is a species whose economic and ecologic values are quite significant for the developing tropical countries: agriculture stabilization, eco-climatic balance, etc. Specifically, Phase 1 of the project will be based on the knowledge of existing resources, the upgrading of technology and the promotion of rubberwood utilization.

PROJECT: PPD018/99 Rev.2 (I)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: CHINA
AGENCY: RESEARCH INSTITUTE OF WOOD
INDUSTRY (CRIWI)
ITTO BUDGET(US\$) \$49,247.00
STARTING YEAR:

TITLE: UTILIZATION OF TROPICAL PLANTATION TIMBER IN THE SOUTHERN
PART OF CHINA

DESCRIPTION:

This six-month pre-project will assess the current situation and the existing problems of utilization of plantation tropical timber in the southern part of China with emphasis on sawing, drying, preservation, machining, gluing and finishing. It will also develop strategies for utilization of plantation tropical timber for value-added products and thereby formulate a project proposal addressing technical needs of efficient utilization of plantation tropical timber in the southern part of China for ITTO consideration.

A field survey will be conducted of utilization of plantation tropical timber in the southern part of China where plantation of fast-growing species *Eucalyptus* spp. and *Acacia* spp) on large scale has been established since 1960s with recent plantation of *Tectona grandis*. A study tour to Australia (CSIRO) will be undertaken to collect details on modern technology for utilization of *Eucalyptus* spp. A national workshop on promoting utilization of plantation tropical timber from sustainable sources will be convened with target groups of timber manufacturers, policy makers and academia before completion of the pre-project.

PROJECT: PPD009/98 Rev.1 (I)
SESSION APPROVED XXIV
SESSION FUNDED

TITLE: ASSESSMENT OF FOREST INDUSTRY TRAINING NEEDS

DESCRIPTION:

This 3-month pre-project will assess forestry industry training needs and existing training

FOREST INDUSTRY PROJECTS

STATUS: PENDING FINANCE
COUNTRY: GUYANA
AGENCY: GUYANA FORESTRY COMMISSION
ITTO BUDGET(US\$) \$52,434.00
STARTING YEAR:

facilities and resources. The pre-project also provides for the formulation of a training strategy and proposal if justified.

PROJECT: PPD014/98 Rev.2 (I)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: CONGO
AGENCY: DEPARTMENT OF FOREST ECONOMY
ITTO BUDGET(US\$) \$97,271.00
STARTING YEAR:

TITLE: DEVELOPMENT OF FOREST INDUSTRIES IN CONGO

DESCRIPTION:

This 6-month pre-project study will review the current situation of the forest industry sector in Congo, including socio-economic and environmental constraints to its development. The study will also consider past experiences in planning timber industry sector development in Congo and other countries in the region, and propose strategies leading to further development of forest industries in Congo. The pre-project will also formulate a project proposal setting out a strategy and identifying priority activities designed to promote timber industry development in Congo.

PROJECT: PPD015/99 Rev.2 (I)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: ECUADOR
AGENCY: SUSTAINABLE FORESTRY
MANAGEMENT CORPORATION
(COMAFORS)
ITTO BUDGET(US\$) \$71,740.00
STARTING YEAR:

TITLE: PRE-PROJECT FOR THE ECUADORIAN TROPICAL TIMBER INDUSTRY ENVIRONMENTAL MANAGEMENT

DESCRIPTION:

The objective of the pre-project is to design and produce a project proposal, in coordination with the principal stakeholders (forest industries, NGOs, government and municipalities), which is related to the application of an Environmental Management System (EMS) and addresses timber processing industrial issues such as water consumption, energy conservation, greenhouse gas emissions, solid and liquid wastes.

PROJECT: PPD020/99 Rev.2 (I)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: MYANMAR
AGENCY: FOREST DEPARTMENT
ITTO BUDGET(US\$) \$49,529.00
STARTING YEAR:

TITLE: STUDY ON UTILIZATION OF PLANTATION TEAK

DESCRIPTION:

This 12-month pre-project will assess the existing problems in the utilization of plantation teak at different ages and sizes with a view to formulating a project proposal for the promotion of downstream processing and utilization of plantation teak.

A field survey of teak plantations in Bago Yoma region will be undertaken to measure total volume per ha in different ages. Research work will be conducted for identification of the wood properties of plantation teak at the Forest Research Institute in Yezin. Test production of furniture and other articles will be made of plantation teak for public demonstration. The pre-project will also organize and convene a domestic workshop to disseminate the results of the pre-project and define the project proposal for promotion of value-added products of plantation teak for ITTO consideration.

PROJECT: PD107/90 (I)
SESSION APPROVED IX
SESSION FUNDED XII
STATUS: COMPLETED
COUNTRY: MALAYSIA
AGENCY: FORESTRY DEPARTMENT, SARAWAK
ITTO BUDGET(US\$) \$462,577.50
STARTING YEAR: 1992

TITLE: STRATEGIES FOR SUSTAINABLE WOOD INDUSTRIES IN SARAWAK

DESCRIPTION:

This project studied the current situation of the forest industry sector in Sarawak with a view to developing a basic plan for the development of sustainable forest industries in Sarawak, based on assessments of the forest resources of the State and on the long-term market outlook for forest products. The project reviewed a number of forest resource utilization scenarios for the development of the forest industry sector.

Technical reports produced by the project include:

- (1) Strategies for sustainable wood industries in Sarawak (main project technical report);
- (2) Forest resources status and timber supply planning for the future;
- (3) A review of trends in the export markets of Sarawak's timber products;
- (4) Wood processing industries;
- (5) Harvesting and transportation costs; and
- (6) Market study on finished wood products from Sarawak.

PROJECT: PD020/95 Rev.2 (I)
SESSION APPROVED XVIII
SESSION FUNDED XVIII
STATUS: COMPLETED
COUNTRY: CHINA
AGENCY: INSTITUTE OF BOTANY, ACADEMY OF SCIENCE
ITTO BUDGET(US\$) \$83,435.00

TITLE: CHEMICAL MODIFICATION OF BAMBOO CULMS AND THEIR RESISTANCE TO WEATHERING

DESCRIPTION:

The project studied chemical modifications to improve bamboo dimensional stability and resistance to biodegradation. The research work focused on five selected bamboo species from Southeast Asia *Phyllostachys pubescens*, *Bambusa lapidea*, *Sinocalamus latiflorus*, *Sinocalamus oldhami* and *Pseudosasa amabilis*. Laboratory research work and field weathering tests were complemented by a comprehensive literature survey and study tours to

FOREST INDUSTRY PROJECTS

STARTING YEAR: 1996

selected overseas research institutes with recognized knowledge and experience on chemical modification of wood and wood materials.

The project produced the following main outputs:

- (1) A technical report entitled "Chemical Modifications of Bamboo Culms and Their Resistance to Weathering" (in Chinese).
- (2) A technical report entitled "Biological Studies on Bamboo Culms" (in Chinese).
- (3) Three research papers published in scientific journals.

PROJECT: PD021/95 Rev.2 (1)
SESSION APPROVED XVIII
SESSION FUNDED XVIII
STATUS: COMPLETED
COUNTRY: CHINA
AGENCY: INSTITUTE OF BOTANY
ITTO BUDGET(US\$) \$88,620.00
STARTING YEAR: 1996

TITLE: COMPREHENSIVE STUDIES OF THE STRUCTURE AND PROPERTIES OF RATTANS FOR EFFECTIVE UTILIZATION

DESCRIPTION:

The project carried out a literature survey and research work on the structure and properties of rattans with a view to improving their utilization in China. Collection of rattan samples was conducted in three main regions: West Africa, Southeast Asia and tropical regions in China. Samples were collected with the cooperation of various institutes such as the Forest Research Institute of Ghana, the Forestry Research Institute Malaysia, the Chinese Academy of Forestry, Xishanbanna Botanical Garden at Yunnan province, the Research Institute of Tropical Forestry at Guangzhou and the Forest Farm at the College of Tropical Crops in Hainan Province. In addition, a number of rattan specimens were collected from the Department of Wood Biology, Hamburg University, Germany.

The project produced the following outputs:

- (1) A technical report entitled "Structural Analysis of Rattan Stems" (in Chinese);
- (2) A rattan database (in Chinese); and
- (3) A research paper published in the Acta Phytotaxonomica Sinica.

PROJECT: PD024/95 Rev.1 (1)
SESSION APPROVED XIX
SESSION FUNDED XXI
STATUS: COMPLETED
COUNTRY: CHINA
AGENCY: CRIWI
ITTO BUDGET(US\$) \$112,000.00
STARTING YEAR: 1997

TITLE: THE IDENTIFICATION, PROPERTIES AND USES OF THE TROPICAL TIMBER IMPORTED TO CHINA FROM LATIN AMERICA

DESCRIPTION:

The project produced and disseminated technical and promotional materials to assist Chinese importers and tropical timber users to properly identify, process and utilize tropical timber species from Latin America. The goal was to increase the effective utilization of tropical timber and promotion of the trade between China and producing countries in Latin America.

The project produced the following outputs:

- (1) A database of Tropical Timber in the Latin America Region (in English and in Chinese).
- (2) A handbook of Tropical Timber in the Latin American Region (in Chinese).
- (3) A promotional publication entitled The Properties and Uses of Major Commercialized Tropical Timbers from Latin America (in Chinese).

PROJECT: PD003/96 Rev.2 (1)
SESSION APPROVED XX
SESSION FUNDED XX
STATUS: COMPLETED
COUNTRY: CHINA
AGENCY: CRIWI
ITTO BUDGET(US\$) \$214,798.00
STARTING YEAR: 1996

TITLE: DEVELOPMENT AND EXTENSION OF RUBBERWOOD PROCESSING AND UTILIZATION TECHNOLOGY

DESCRIPTION:

This project studied and disseminated rubberwood processing technologies to improve the efficiency and competitiveness of the rubberwood industries in China. The research work focused on (i) identification and classification of insect and fungi which degrade rubberwood in China, (ii) selection of appropriate rubberwood preservation and drying technologies by means of modern treatment methods, and (iii) development of fire-retardant rubberwood plywood in order to increase utilization of rubberwood products.

The project produced the following main outputs:

- (1) Rubberwood processing technical report (in English).
- (2) A manual on rubberwood processing technologies (in Chinese).
- (3) A survey and classification of insect and fungi in Hainan and Yunnan Provinces.
- (4) Research papers for international conferences.
- (5) A report on a technical overview and on recommendations on rubberwood processing and utilization in China.

PROJECT: PD033/96 Rev.2 (M.F.I)
SESSION APPROVED XX
SESSION FUNDED XXII
STATUS: COMPLETED

TITLE: WORKSHOP ON NONDESTRUCTIVE TESTING OF TROPICAL TIMBER

DESCRIPTION:

This 1-year project organized and convened a workshop to promote use of non-destructive

FOREST INDUSTRY PROJECTS

COUNTRY: PHILIPPINES
AGENCY: FPRDI
ITTO BUDGET(US\$) \$139,787.50
STARTING YEAR: 1998

testing for improving the quality control of wood products and inspection of timber structures in tropical timber producing countries. The proposed workshop brought together researchers and practitioners to learn new technologies and discuss non-destruction methods and research needs for more efficient use of tropical timber. Thirty participants attended the workshop from 12 ITTO producing countries.

PROJECT: PD007/97 Rev.2 (I)
SESSION APPROVED XXII
SESSION FUNDED XXII
STATUS: COMPLETED
COUNTRY: BRAZIL
AGENCY: BRAZILIAN PLYWOOD AND
INDUSTRIALIZED WOOD ASSOCIATION
ITTO BUDGET(US\$) \$202,560.00
STARTING YEAR: 1998

TITLE: III PLYWOOD AND TROPICAL TIMBER INTERNATIONAL CONGRESS

DESCRIPTION:

This project organized and convened the III Plywood and Tropical Timber International Congress in Belém, Brazil from 4-7 November 1997. The Congress was organized to promote sustainable development of the Amazon timber industry.

The Congress focused on policies and measures which can contribute to the sustainable development of the timber industry through increased competitiveness and profitability. The Congress work was organized in three sessions, covering (i) forest policies and measures which can contribute to the sustainable development of the timber industry; (ii) the role of forest industries in promoting development; and (iii) markets as a basis for sustainability. There was also a parallel poster session at which 15 papers were presented.

One thousand copies of the Congress proceedings, including invited papers, voluntary papers and the Congress findings and recommendations, were printed and distributed to the participants and other interested parties.

PROJECT: PD073/89 (M.F.I)
SESSION APPROVED VII
SESSION FUNDED VII
STATUS: OPERATIONAL
COUNTRY: JAPAN
AGENCY: ITTO
ITTO BUDGET(US\$) \$1,923,400.00
STARTING YEAR: 1990

TITLE: ASSISTANCE FOR PROJECT IDENTIFICATION AND FORMULATION

DESCRIPTION:

The objective of this project is to improve project identification and formulation capabilities of the responsible personnel in ITTO producer member countries in order to expand national absorption capacity for investment and aid in the forestry sector. The project is closely linked to other ITTO activities, in particular, the Expert Panel and the Project Cycle consultancies, which together comprise a multiple approach to seeking excellence in the structure and implementation of the Project Cycle. The project itself includes training workshops, special country missions, and independent consultancies to assist Members with project formulation.

PROJECT: PD094/90 Rev.3 (I)
SESSION APPROVED X
SESSION FUNDED X
STATUS: OPERATIONAL
COUNTRY: BRAZIL
AGENCY: FUNTAC
ITTO BUDGET(US\$) \$1,900,000.00
STARTING YEAR: 1993

TITLE: INTEGRATION OF FOREST-BASED DEVELOPMENT IN THE WESTERN AMAZON, PHASE II - TECHNOLOGY FOR SUSTAINABLE UTILIZATION OF RAW FOREST MATERIALS

DESCRIPTION:

This 3-year project is designed to implement a forest management plan and initiate the industrial processing and utilization of timber and non-timber raw materials to be sustainably produced in the Antimari State Forest (Acre, Brazil). The proposed forest industry development will be based on the results of the socio-economic and environmental studies and preliminary forest management guidelines prepared in the project phase I [ITTO project PD 24/88 (F), Integration of Forest-Based Development in the Western Amazon - Phase I - Forest Management to Promote Policies for Sustainable Production].

PROJECT: PD109/90 Rev.4 (I)
SESSION APPROVED XII
SESSION FUNDED XII
STATUS: OPERATIONAL
COUNTRY: COTE D'IVOIRE
AGENCY: SODEFOR
ITTO BUDGET(US\$) \$680,400.00
STARTING YEAR: 1994

TITLE: ASSISTANCE TO MODERNIZATION, RESTRUCTURING AND DEVELOPMENT OF WOOD-BASED INDUSTRIES IN COTE D'IVOIRE

DESCRIPTION:

This 3-year project will provide Cote d'Ivoire with an overview on which the planning and execution of a detailed forest sector development plan can be based. A technical and economic assessment of existing timber industries will be carried out to link industry development to sustainable wood supply from five selected forest management units.

PROJECT: PD179/91 Rev.2 (I)
SESSION APPROVED XII
SESSION FUNDED XII
STATUS: OPERATIONAL
COUNTRY: GHANA
AGENCY: FORIG
ITTO BUDGET(US\$) \$985,273.00
STARTING YEAR: 1993

TITLE: INDUSTRIAL UTILIZATION AND IMPROVED MARKETING OF SOME GHANAIAN LESSER-USED TIMBER SPECIES FROM SUSTAINABLY MANAGED FORESTS

DESCRIPTION:

This 3-year project is implementing industrial utilization and marketing research activities to promote production, trade and consumption of products manufactured with lesser-used Ghanaian tropical timber species for which inventory data and technical properties information are available. While the project focus is on product development research and market studies, research on the environmental impact of harvesting lesser-used species at various intensity levels is also included. Dissemination of the technologies developed and other project results to forest industries of Ghana and selected countries in the region will occur through training workshops, seminars, and publications.

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PROJECT: PD209/91 Rev.2 (I)
 SESSION APPROVED XII
 SESSION FUNDED XII
 STATUS: OPERATIONAL
 COUNTRY: DEMOCRATIC REPUBLIC OF CONGO
 AGENCY: CENTER FOR TIMBER PROMOTION
 ITTO BUDGET(US\$) \$695,116.00
 STARTING YEAR:

TITLE: STUDY OF ZAIRIAN TIMBER WITH A VIEW TO PROMOTING CERTAIN SPECIES

DESCRIPTION:

This five-year project will contribute to restructuring and strengthening the Congolese Center for Timber Promotion and assist with the implementation of research and marketing activities to promote the utilization and trade of Congolese lesser-known species.

Contractual arrangements for project implementation were finalized in February 1993, but because of difficult working conditions in the country field implementation has not started.

PROJECT: PD001/93 Rev.1 (M.F.I)
 SESSION APPROVED XIV
 SESSION FUNDED XIV
 STATUS: OPERATIONAL
 COUNTRY: ITTO
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$2,579,350.00
 STARTING YEAR: 1993

TITLE: ITTO FELLOWSHIP PROGRAM - PHASE II

DESCRIPTION:

This project continues the work begun under the first phase of the Fellowship Program [PD60/89 (M.F.I)]. Its primary objective is the promotion of human resources development and institutional strengthening of the forestry sectors of member countries.

Fellowships are awarded preferentially to holders of technical diplomas, bachelor's degrees or master's degrees who are wishing to further their education through graduate or professional degree programs, conferences, study-tours, and other forms of academic study. Selection criteria include conformity with the objectives of the Program and ITTO's Action Plan, expected benefits for the forestry sectors of producer member countries, and high probability of the candidate being able to publish his or her results in an ITTO publication or scientific journal, among others.

PROJECT: PD017/93 Rev.3 (M.F.I)
 SESSION APPROVED XIV
 SESSION FUNDED XIV
 STATUS: OPERATIONAL
 COUNTRY: ITTO
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$4,369,846.00
 STARTING YEAR: 1994

TITLE: ITTO NETWORK FOR INFORMATION SHARING AND PROJECT SUPPORT

DESCRIPTION:

This project established a network service to increase availability and flow of information within ITTO member countries by establishing an ITTO presence in each of the three producing regions to improve the effectiveness of ITTO activities in these regions. The project specific objectives are: (i) establish a service for collection and dissemination of information, and prepare and distribute a newsletter covering the three main fields of ITTO activities, namely reforestation and forest management, economic information and market intelligence, and forest industry; and (ii) to improve ITTO's representation and to enhance specific aspects of ITTO's operational activities in producing regions. These activities include the following: 1) strengthen the secretariat's ability to monitor specific projects as requested and instructed by the Executive Director; 2) facilitate and provide information and planning assistance to project preparation and evaluation in producing regions; 3) represent ITTO in conferences, seminars and other meetings as instructed by the Executive Director; and 4) facilitate efforts by member governments to collect information to be used in the Council's annual review and assessment of the world tropical timber situation.

PROJECT: PD039/93 Rev.4 (I)
 SESSION APPROVED XVIII
 SESSION FUNDED XVIII
 STATUS: OPERATIONAL
 COUNTRY: MALAYSIA
 AGENCY: FRIM/MALAYSIA
 ITTO BUDGET(US\$) \$1,318,196.00
 STARTING YEAR: 1997

TITLE: RESEARCH AND DEVELOPMENT IN ENERGY ALTERNATIVE FROM BIOMASS (WOOD AND AGRICULTURAL RESIDUES) THROUGH BRIQUETTING, GASIFICATION AND DIRECT COMBUSTION

DESCRIPTION:

This three-year project aims to introduce and transfer biomass energy technologies to the commercial sector. The project will apply and adapt biomass energy systems as commercial demonstration projects in briquetting, gasification, and suspension burning of particulates for process heat and/or power. Project activities include carrying out a technical and economic survey on the availability of biomass energy technologies in the commercial sector and an assessment of the availability of wood residues, palm oil trunks, palm kernel shells and rice husks as feedstock. The project will identify at least three potential commercial collaborators for demonstration of the briquetting, gasification and suspension burning technology and carry out detailed equipment designs/specifications for building demonstration plants.

The proposed work includes liaison with industry and plant manufacturers on the fabrication and installation of the units; obtaining costs and evaluating financial viability of the selected technologies; devising a strategy for the replication of the technology within the commercial sector and disseminating the results to other countries in the region; and provision of economic advice and technical support services to each demonstration plant through the three-year project life.

PROJECT: PD007/94 Rev.3 (M.I)
 SESSION APPROVED XXII
 SESSION FUNDED XXII
 STATUS: OPERATIONAL
 COUNTRY: BRAZIL
 AGENCY: SINDIMAD
 ITTO BUDGET(US\$) \$1,028,625.00

TITLE: INFORMATION AND TECHNICAL ASSISTANCE FOR PRODUCTION AND TRADE ON TROPICAL TIMBER

DESCRIPTION:

This 4-year project will implement technical assistance, training and information development activities to promote increased trade on sustainable tropical timber between Brazil and selected consumer countries (UK, USA, the Netherlands and Japan). The project's specific objectives

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STARTING YEAR: 1998

are: (i) to provide technical assistance to selected timber processing/exporting companies with a view to ensure that the timber volumes they trade are sustainably sourced and produced; and (ii) to make available to governments and to the general public appropriate and reliable information on export products and production regime (sustainability) of tropical timber traded internationally by selected companies from Brazil, UK, USA, the Netherlands and Japan.

The project will focus on mahogany production and trade and will include an international conference on mahogany to review and discuss mahogany ecology, silviculture, processing, utilization and trade.

PROJECT: PD037/94 Rev.3 (I)
SESSION APPROVED XX
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: BRAZIL
AGENCY: IBAMA
ITTO BUDGET(US\$) \$556,703.00
STARTING YEAR: 1998

TITLE: STRENGTHENING OF THE FOREST PRODUCTS LABORATORY OF IBAMA

DESCRIPTION:

This 2-year project will carry out a series of activities with two distinct objectives: (i) modernization and strengthening of the forest products laboratory (LFP), and (ii) improvement of timber identification and standardization of timber products.

The activities designed to strengthen and modernize the forest products laboratory include the preparation of a long term research program, the preparation and implementation of a human resources development plan; selection and procurement of complementary laboratory equipment; and establishment of a data bank.

Timber identification and standardization activities include the preparation of identification sheets for Brazilian timber species listed by CITES, and the preparation of basic timber standard texts in cooperation with the national association for technical standards.

The project proposal has been prepared under ITTO pre-project study entitled "Institutional Strengthening of IBAMA's Forest Products Laboratory" [PCI(VII)/6]. The results of this pre-project are reported in ITTO document PPR 33/94 (I).

PROJECT: PD047/94 Rev.3 (I)
SESSION APPROVED XIX
SESSION FUNDED XIX
STATUS: OPERATIONAL
COUNTRY: HONDURAS
AGENCY: COHDEFOR
ITTO BUDGET(US\$) \$735,335.00
STARTING YEAR: 1996

TITLE: INDUSTRIAL UTILIZATION OF LESSER-KNOWN FOREST SPECIES IN SUSTAINABLY MANAGED FORESTS

DESCRIPTION:

This three-year project is implementing ecological research, industrial research and marketing and training activities to promote utilization of 25 lesser-known species from Honduras. Timber from these species is expected to be produced by implementing forest management plans prepared by COHDEFOR within the 'Broadleaved Forest Development Project (BFDPP)', supported by the Canadian International Development Agency (CIDA).

The BFDPP areas is made up of 110,000 ha of tropical forest situated in the north of Honduras. Timber will be sustainably produced by local farmers, with simple technologies of very low environmental impact, in 10 integrated management areas (IMA), which are physically demarcated in the field and are under the care of local communities.

PROJECT: PD013/95 Rev.3 (I) I
SESSION APPROVED XX
SESSION FUNDED XXII
STATUS: OPERATIONAL
COUNTRY: FINLAND
AGENCY: FTP
ITTO BUDGET(US\$) \$647,739.00
STARTING YEAR: 1998

TITLE: CAPACITY BUILDING IN TRAINING IN PLANNING AND MANAGEMENT OF FOREST INDUSTRIES IN ITTO PRODUCER MEMBER COUNTRIES - PHASE I

DESCRIPTION:

This 39 month project will implement training activities to follow-up on a previous ITTO training project PD 4/87 Rev.1 (I) "Training in Planning and Management of Forests Industries in Developing Countries".

Project PD 4/87 Rev. 1 (I) prepared training materials on planning and management of appropriate forest industries and convened a series of regional training workshops in the ITTO producing regions. The proposed follow-up project will provide an opportunity for the Forestry Training Program to work more closely with local training institutes in the development of training curricula and in strengthening their capability to arrange and offer training courses on a continuous basis. The project will initially (Phase I) study wood industries, training activities and training institutes in ITTO producer member countries. After initial screening a number of training institutes will be selected for further analysis and development. The process of strengthening the institutes will include distant education, further assessment of institutes performance, assessments of training needs, and three regional workshops. Development plans for four selected institutes will be prepared.

Phase II will allow implementation of four regional sub-projects covering the four selected training institutes. These sub-projects will have similar programs, including initial regional seminars of two weeks each. A teacher training course where teachers for subsequent training events will be trained will follow. The final training event of each sub-project will be a pilot workshop arranged by the counterpart training institute, mainly using the human resources trained during the project. A total of eighty managers of wood industry enterprises will be trained in planning and management of forest industries, in addition to the forty education professionals that will participate in the teacher training courses.

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PROJECT: PD033/95 Rev.3 (M.F.I)
SESSION APPROVED XIX
SESSION FUNDED XIX
STATUS: OPERATIONAL
COUNTRY: GHANA
AGENCY: MINISTRY OF LANDS AND FORESTRY
ITTO BUDGET(US\$) \$138,205.00
STARTING YEAR: 1996

TITLE: IMPACTS OF INCREASED UTILIZATION OF LESSER-USED SPECIES (LUS)

DESCRIPTION:

The development objective of this 24-month project is to identify the complexities and variations in LUS utilization by studying the current extent of production; compiling scientific information on the environmental and silvicultural impacts of harvesting LUS; to study the socio-economic impacts of forest operations; to analyze the marketing implications; and to develop criteria for LUS management within the scope of sustainable forestry.

The project objectives will be achieved by field visits to key research and management institutes, industrial organizations and logging sites in Ghana as well as one representative country in each of the three ITTO regions. Criteria for the selected countries will be based on current LUS utilization and previous ITTO project work on LUS. The project is conceived to fill the current gaps in LUS studies, particularly in the area of forest ecology, the socio-economic impacts and the long-term sustainability of supply. A key output will be proposals for long-term monitoring of LUS, as well as, ecological, social and environmental impact assessment reports at project mid-life, an extensive video documentation of LUS utilization, and a manual and draft guidelines for LUS utilization.

PROJECT: PD015/96 Rev.2 (M.I)
SESSION APPROVED XX
SESSION FUNDED XX
STATUS: OPERATIONAL
COUNTRY: PHILIPPINES
AGENCY: FPRDI
ITTO BUDGET(US\$) \$345,196.00
STARTING YEAR: 1997

TITLE: UTILIZATION, COLLECTION AND TRADE OF TROPICAL WOOD-PRODUCTS IN THE PHILIPPINES

DESCRIPTION:

This 2-year project will collect and make available information on the production, trade and utilization of non-wood forest products (bamboo, rattan, palms, vines, bast fibers, almaciga resin, etc.) in two selected forest areas in the Philippines (western Samar and Luzon). The project will also provide information on the regeneration pattern and cycle of important non-wood forest products, and sustainable-yield collection practices will be recommended to local communities. The project will also identify problems forest dwellers face in their trade and recommend and introduce appropriate improved methods of collection, processing and storage. Finally, the project will prepare a comprehensive report relating the collection, processing, utilization and trade of non-wood forest products to sustainable forest management, based on the assessments made in the two selected areas under study.

PROJECT: PD031/96 Rev.2 (M.F.I)
SESSION APPROVED XX
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: MYANMAR
AGENCY: FOREST DEPARTMENT
ITTO BUDGET(US\$) \$495,533.50
STARTING YEAR: 1997

TITLE: INTRODUCING MYANMAR'S LESSER-USED TIMBER SPECIES TO THE WORLD MARKET

DESCRIPTION:

This 3-year project will carry out forest inventory work and timber properties research in order to promote the utilization and trade of Myanmar's lesser-used species. The forest inventory work will provide information on volume and distribution of Myanmar's non-teak tropical hardwood species from the project area made up of 50,000 ha of tropical forest situated in the middle of Myanmar (Bago Yoma region). The selection of promising LUS will be followed by the results of the inventory.

The research will focus on testing of wood properties and end-uses on selected LUS, a survey of major domestic markets and sample finished products of LUS for public demonstration. The project will also prepare market promotion materials such as handbooks, pamphlets, video tapes to improve the utilization and trade of LUS.

A seminar will be organized to discuss and disseminate the project results.

PROJECT: PD046/96 Rev.2 (I)
SESSION APPROVED XXII
SESSION FUNDED XXII
STATUS: OPERATIONAL
COUNTRY: GHANA
AGENCY: FURNITURE AND WOOD PRODUCTS ASSOCIATION, GHANA
ITTO BUDGET(US\$) \$486,355.00
STARTING YEAR: 1998

TITLE: ESTABLISHMENT OF A WOOD WORKERS AND CRAFTSMANSHIP VILLAGE

DESCRIPTION:

This five-year project will build a wood furniture and craftsmanship village to relocate about 60 small wood processing and furniture industries from metropolitan Kumasi, Ghana. The relocated industries will be served by common facilities which include a kiln dryer, a saw doctoring shop, and moulding, laminating and finishing units. A corporation (KWEL) will be set up to run these facilities and to provide the village with the necessary administrative and technical support and back-up services on a commercial basis. The services will include marketing assistance to promote exports by furniture industries participating in the project. The services of the common processing facilities will be available to all companies which relocate in the village. Results of a feasibility study included in the project proposal indicate that the establishment of the village and common processing facilities is economically feasible. ITTO funds will be used primarily to finance the initial operation of the village; the civil construction and setting up of service shops; the purchase vehicles and office costs; and the provision of technical assistance (consultants).

PROJECT: PD015/97 Rev.2 (I)
SESSION

TITLE: STRATEGIC PLAN FOR THE UPGRADING OF THE INDUSTRIAL FORESTRY INFRASTRUCTURE OF PANAMA

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APPROVED: XXI
 SESSION FUNDED XXIII
 STATUS: OPERATIONAL
 COUNTRY: PANAMA
 AGENCY: INRENARE
 ITTO BUDGET(US\$) \$58,975.00
 STARTING YEAR: 1998

DESCRIPTION:

The objective of this project is to promote and encourage the required adjustment of the primary and secondary forest industries of Panama through the adoption of appropriate processing technologies; this upgrading process shall be promoted through a strategic plan focusing on technical assistance, training and the transfer of practical information on the characteristics and processing techniques of raw materials, as well as on the marketing of diversified forest products.

PROJECT: PD058/97 Rev.1 (I)
 SESSION APPROVED XXI
 SESSION FUNDED XXI
 STATUS: OPERATIONAL
 COUNTRY: JAPAN
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$502,033.00
 STARTING YEAR: 1998

TITLE: THE ESTABLISHMENT OF THE DATABASE OF TROPICAL INDUSTRIAL LESSER USED WOOD SPECIES

DESCRIPTION:

This two-year project will make a comprehensive database with available information on tropical timber species, especially lesser-used species, by compiling existing data and relevant information collected within projects funded by ITTO and other national and international schemes. The core of the data bank information will come from a number of projects financed by ITTO aiming at introducing lesser-used species (LUS) to the national and international markets. An assessment of the results of these projects show a lack of unity in the information presentation format and language. To facilitate access and search for information, the project will compile and present the existing data and information in the same format and language, making them available in a convenient media. The data bank will be established in CD-ROM, in the English language. Manuals and printed material will also be produced and disseminated to all ITTO members and interested parties. It will include information on timber physical and mechanical characteristics, current growth stock estimates, latest prices, and present and potential uses. The project proposes that ITTO be responsible for the future operation and maintenance of the data bank, sub-contracting the updating work needed as new additional data becomes available.

PROJECT: PD012/98 Rev.2 (I)
 SESSION APPROVED XXIV
 SESSION FUNDED XXIV
 STATUS: OPERATIONAL
 COUNTRY: GHANA
 AGENCY: TIMBER EXPORT DEVELOPMENT BOARD
 ITTO BUDGET(US\$) \$237,375.00
 STARTING YEAR: 1998

TITLE: MANPOWER DEVELOPMENT FOR THE GHANA WOOD INDUSTRY TRAINING CENTRE (WITC)

DESCRIPTION:

This 3-year project will implement training and technical assistance activities to strengthen Ghana's Wood Industry Training Center (WITC). The technical level of WITC staff and the Center's capacity to offer extension services to the industries will be improved, with emphasis on kiln drying, veneering, plymilling, moulding, and furniture manufacture. The planned training and technical assistance activities include: assessment of training and manpower development needs of the wood industry and WITC; financing WITC resources persons participation in suitable training courses, training internships and in other training events as appropriate; attaching selected consultants to WITC on a short term basis; and reviewing and reorienting WITC's library and information service.

PROJECT: PD044/98 Rev.2
 SESSION APPROVED XXV
 SESSION FUNDED XXV
 STATUS: OPERATIONAL
 COUNTRY: GHANA
 AGENCY: FORESTRY RESEARCH INSTITUTE OF GHANA (FORIG)
 ITTO BUDGET(US\$) \$197,549.00
 STARTING YEAR: 1999

TITLE: HANDBOOK ON TREE AND WOOD IDENTIFICATION OF 100 LESSER-USED AND LESSER-KNOWN TIMBER SPECIES FROM TROPICAL AFRICA WITH NOTES ON ETHNOGRAPHY SYLVICULTURE AND USES

DESCRIPTION:

This 2-year project will prepare and publish a timber description and identification handbook covering 120 tropical timber species from Ghana and other African countries. In addition to data and information related to the quantitative and qualitative macroscopic description and other physical features (density, color, odor, etc.), the handbook will include information on the species distribution, morphology, ecology, silviculture and uses. The scientific work related to the collection, identification and description of the wood samples and compilation/assessment of other technical information to be included in the handbook will be carried out by a team of wood researchers and technologists from the joint implementing agencies (FORIG and SFIT).

PROJECT: PD034/99 Rev.2 (I)
 SESSION APPROVED XXVI
 SESSION FUNDED XXVI
 STATUS: OPERATIONAL
 COUNTRY: PHILIPPINES
 AGENCY: FPRDI
 ITTO BUDGET(US\$) \$577,909.00
 STARTING YEAR: 2000

TITLE: DEVELOPMENT AND IMPLEMENTATION OF STRESS GRADING RULES FOR TROPICAL TIMBER IN THE PHILIPPINES

DESCRIPTION:

This three-year project aims to develop and implement stress grading rules and standards for tropical timber used in construction in the Philippines. Marketing studies shall focus on strategies and programs to promote quality assured stress-graded lumber in construction. A regional workshop conducted during the project will demonstrate how the grading rules and implementation mechanism developed in the Philippines can serve as a model for introducing stress graded timber into other producing countries.

PROJECT: PD040/99 Rev.1 (I)
 SESSION APPROVED XXVI
 SESSION FUNDED XXVI
 STATUS: OPERATIONAL

TITLE: IV PLYWOOD AND TROPICAL TIMBER INTERNATIONAL CONGRESS

DESCRIPTION:

This 10-month project will organize and convene an international congress on plywood and

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COUNTRY: BRAZIL
 AGENCY: ABIMCI
 ITTO BUDGET(US\$) \$175.658.00
 STARTING YEAR: 1999

tropical timber in Belem, Brazil. The congress will follow-up on the three earlier ones held in Manaus (1992) and Belem (1994 and 1997). The last congress supported by ITTO project PD 7/97 Rev.1 (I) "III Plywood and Tropical Timber International Congress" was attended by about 500 participants from over 20 countries. This congress stressed the importance of a continuous process of consultation among tropical timber producers and consumers, as well as between the government and private sector. The proposed congress will focus on measures to increase efficiency and effectiveness of cooperation between the private sector, government and society for the sustainability of tropical timber. The congress will be organized in three plenary sessions covering political and technical issues: (i) factors affecting the sustainable development of tropical timber industry; (ii) timber products and solutions for the future; and (iii) the market, trade and environment. The congress will also include presentation of technical and scientific voluntary papers related to the tropical timber industry in the region.

PROJECT: PD046/97 Rev.3 (I)
 SESSION APPROVED XXV
 SESSION FUNDED
 STATUS: PENDING AGREEMENT
 COUNTRY: BRAZIL
 AGENCY: AMAZON WORKERS' ASSOCIATION (CTA)
 ITTO BUDGET(US\$) \$462.090.00
 STARTING YEAR:

TITLE: COMMUNITY FOREST PRODUCT PROCESSING IN THE PUERTO DIAS
 EXTRACTIVE RESERVE

DESCRIPTION:

This 12-month project will assist the forest community of the Puerto Dias extractive reserve (Acre, Brazil) in the establishment of the infrastructure and development of human resources needed to add value to primary timber products. Primary products will be made available by the implementation of a harvesting and primary processing project supported by the World Bank and by the G-7 Pilot Program for Tropical Forest Protection. Manufacturing of value-added products will focus on small-wooden objects and components for pre-fabricated houses. Forest industries training in the fields of logging, timber preservation and drying, and further processing will be provided to the members of the Rubber Tappers' Association of Puerto Dias through a series of 6 training courses. A marketing consultant and an advertising agency will be engaged to design and implement the strategy and promotional campaign to commercialize the value-added products from the extractive reserve. A report recording the Puerto Dias extractive reserve experience in community forest management and production/marketing of high added value products will be prepared and distributed to opinion and policy makers.

PROJECT: PD013/99 Rev.2 (M.F.I)
 SESSION APPROVED XXVI
 SESSION FUNDED
 STATUS: PENDING AGREEMENT
 COUNTRY: ITTO SECRETARIAT
 AGENCY: ITTO
 ITTO BUDGET(US\$) \$1,021.662.00
 STARTING YEAR:

TITLE: ITTO INFORMATION NETWORK - PHASE I AND PHASE II

DESCRIPTION:

The projects specific objectives are: (i) to establish a service for collection and dissemination of information primarily in order to prepare and distribute a newsletter covering the three main fields of ITTO activities, namely, reforestation and forest management, forest industry, and economic information and market intelligence; and (ii) to improve ITTOs monitoring and evaluation of field projects.

PROJECT: PD056/99 Rev.1 (I)
 SESSION APPROVED XXVII
 SESSION FUNDED XXVII
 STATUS: PENDING AGREEMENT
 COUNTRY: THAILAND
 AGENCY: FOREST RESEARCH OFFICE, ROYAL
 FOREST DEPARTMENT
 ITTO BUDGET(US\$) \$452.996.00
 STARTING YEAR:

TITLE: PROMOTION OF THE UTILIZATION OF BAMBOO FROM SUSTAINABLE
 SOURCES IN THAILAND

DESCRIPTION:

This 36-month project will focus on the development and dissemination of knowledge on sustainable management of bamboo and technologies to promote efficient utilization of bamboo which are recommended by pre-project PPD 4/98 Rev.1 (I) Promotion of Tropical Non-Wood Forest Products in Thailand. The specific objectives of the project are (i) to study sustainable management of bamboo with a view to developing guidelines for improving sustainable harvesting of bamboo and (ii) to promote efficient utilization of bamboo with a view to generating income sources for rural communities.

The project will organize and implement short training courses on production of bamboo furniture parts and handicrafts and bamboo charcoal. An additional output will be a feasibility study on the establishment of a bamboo shoot factory in Chiang Mai.

PROJECT: PD058/99 Rev.1 (I)
 SESSION APPROVED XXVII
 SESSION FUNDED XXVII
 STATUS: PENDING AGREEMENT
 COUNTRY: INDONESIA
 AGENCY: SEAMEO-BIOTROP
 ITTO BUDGET(US\$) \$363.536.00
 STARTING YEAR:

TITLE: INTRODUCTION OF A VILLAGE INDUSTRY IN THE COMMUNITY
 AROUND AN INDUSTRIAL FOREST PLANTATION IN INDONESIA

DESCRIPTION:

This 3-year project will conduct research and development on the processing and utilization of the bark of *Acacia mangium*, *Eucalyptus* spp., and *Paraserianthes falcataria* from industrial forest plantation areas in East Kalimantan, to produce tannin, adhesive material, pelleted animal feed and fertilizer, which will contribute to the development of local communities through the establishment of a village industry. Research work in the laboratory will concentrate on development of a standard method to produce tannins, formulation of adhesive material and fertilizer, and formulation of pelleted animal feed. Experiments will be performed to analyze the effects of bark particle size, extraction and drying methods. The best results from these experiments will be evaluated for adhesive material in plywood and MDF. Processing technology for organic fertilizer from timber bark will support the productivity of the industrial forest plantation. A pilot plant to produce tannin and adhesive material will be designed and

FOREST INDUSTRY PROJECTS

built based on the results of the research work. Pilot production of organic fertilizer will be done at PT Sumalindo Industrial Forest Plantation Holder and Associate. Toxicity tests and nutrient analysis of organic fertilizer will be conducted periodically. The project will implement short training courses on the operation of the equipment and also carry out a study of the socio-economic aspects of the effect of the project on the community.

PROJECT: PD013/95 Rev.3 (I) II
SESSION APPROVED XX
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: FINLAND
AGENCY: FTP
ITTO BUDGET(US\$) \$442.261.00
STARTING YEAR:

TITLE: CAPACITY BUILDING IN TRAINING IN PLANNING AND MANAGEMENT OF FOREST INDUSTRIES IN ITTO PRODUCER MEMBER COUNTRIES - PHASE II

DESCRIPTION:

This 39 month project will implement training activities to follow-up on a previous ITTO training project PD 4/87 Rev.1 (I) "Training in Planning and Management of Forests Industries in Developing Countries".

Project PD 4/87 Rev. 1 (I) prepared training materials on planning and management of appropriate forest industries and convened a series of regional training workshops in the ITTO producing regions. The proposed follow-up project will provide an opportunity for the Forestry Training Program to work more closely with local training institutes in the development of training curricula and in strengthening their capability to arrange and offer training courses on a continuous basis. The project will initially (Phase I) study wood industries, training activities and training institutes in ITTO producer member countries. After initial screening a number of training institutes will be selected for further analysis and development. The process of strengthening the institutes will include distant education, further assessment of institutes performance, assessments of training needs, and three regional workshops. Development plans for four selected institutes will be prepared.

Phase II will allow implementation of four regional sub-projects covering the four selected training institutes. These sub-projects will have similar programs, including initial regional seminars of two weeks each. A teacher training course where teachers for subsequent training events will be trained will follow. The final training event of each sub-project will be a pilot workshop arranged by the counterpart training institute, mainly using the human resources trained during the project. A total of eighty managers of wood industry enterprises will be trained in planning and management of forest industries, in addition to the forty education professionals that will participate in the teacher training courses.

PROJECT: PD033/97 Rev.2 (I)
SESSION APPROVED XXIII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: PERU
AGENCY: INIA
ITTO BUDGET(US\$) \$733.225.00
STARTING YEAR:

TITLE: IDENTIFICATION AND NOMENCLATURE OF COMMERCIAL TROPICAL TIMBER SPECIES IN THE ANDEAN COMMUNITY - PHASE II

DESCRIPTION:

This three-year project will prepare a handbook with the dendrological and anatomical characteristics of 100 tropical timber species of the Andean region. The handbook will be prepared and published to assist in the identification of tropical species in the region and to harmonize their commercial nomenclature.

The handbook will cover timber species from Bolivia, Colombia, Ecuador, Peru and Venezuela. Research institutes of these five countries will participate in the handbook preparation and upon project completion are expected to have improved infrastructure, equipment and research capability.

The work will focus on species included in approved forest management plans in the region, thus contributing to facilitate implementation of forest inventory, harvesting and other forest management activities. The handbook is also expected to serve as a technical support tool for the effective marketing of forest species, because of its reliable species identification and nomenclature information. The project includes provision for the organization of 15 seminars (three in each participating country) to disseminate information and provide training on species identification and nomenclature and on the use of the handbook in general.

This project follows up on PD 150/90 Rev.1 (I), which prepared and published a handbook for the identification of forest species of the Andean sub-region.

PROJECT: PD020/98 Rev.1 (I)
SESSION APPROVED XXIV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: MYANMAR
AGENCY: MYANMA TIMBER ENTERPRISE (MTE)
ITTO BUDGET(US\$) \$508,755.00
STARTING YEAR:

TITLE: ESTABLISHMENT OF A TRAINING AND TECHNICAL INFORMATION CENTER FOR WOOD BASED INDUSTRIES

DESCRIPTION:

This 2-year project will establish a training and technical information center to assist development of downstream wood processing industries in Myanmar, particularly in the furniture sector. The center will prepare training materials and plan and organize training courses in furniture manufacturing. It will also organize workshops seminars and overseas study tours. Training in furniture design will also be effected, on the basis of market surveys and assessments of supply and demand for products that could be manufactured in Myanmar's factories.

The project will also disseminate information on markets and new technologies through workshops and seminars and through publication of periodicals and bulletins. Before project

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completion a furniture fair will be organized in Y'angon.

PROJECT: PD033/98 Rev.2 (I)
SESSION APPROVED XXIV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: PHILIPPINES
AGENCY: UNIV. OF THE PHILIPPINES LOS BANOS.
COLLEGE OF FORESTRY
ITTO BUDGET(US\$) \$544,696.00
STARTING YEAR:

TITLE: SUSTAINABLE PRODUCTION OF CONSTRUCTION MATERIALS FROM PHILIPPINES BAMBOOS

DESCRIPTION:

This 4-year project will implement research and development activities to promote and enhance bamboo production and processing into laminated boards for construction and other uses. The project will study the basic properties (drying, gluing, preservation, and finishing) of selected Philippine bamboo species and assess their suitability in the manufacture of laminated boards. Bamboo culms of suitable species will be processed into laminated boards and then subjected to strength tests to find out if they are suitable for housing components and other uses. The financial feasibility of bamboo laminated board production will also be determined.

Another project study will determine the effects of silvicultural management practices on the quality of bamboo stands as well as on the bamboo materials produced. The study will cover three commercial bamboo species widely distributed in the Philippines (*Bambusa blumeana*; *Gigantochloa levis*, and *Dendrocalamus asper*).

Information and education material on bamboo production and on the manufacture and use of bamboo products for construction uses will be prepared and distributed to selected target groups such as builders and farmers.

PROJECT: PD041/98 Rev.2 (I)
SESSION APPROVED XXV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: PHILIPPINES
AGENCY: FOREST MANAGEMENT BUREAU
ITTO BUDGET(US\$) \$53,784.00
STARTING YEAR:

TITLE: NATIONAL SEMINAR WORKSHOP ON THE PROMOTION OF PLANTATION TIMBER UTILIZATION

DESCRIPTION:

This 6-month project will organize and convene a seminar to promote greater utilization of plantation timber in the Philippines. The seminar will target industrial wood consumers such as sawmillers, plywood and furniture manufacturers, but will also be attended by plantation timber producers and relevant government agencies. Seminar papers will focus on the experiences of actual utilization of plantation timber and on latest processing and uses technologies.

The seminar will also provide the opportunity for the establishment of a network of plantation timber producers and consumers as well as private and government organizations involved in the production and utilization of plantation timber in the various regions of the country.

The seminar results and proceedings will include a set of recommended policies and programs to promote plantation timber in the Philippines.

PROJECT: PD046/98 Rev.3 (I)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: PENDING FINANCE
COUNTRY: INDIA
AGENCY: INDIAN RUBBERWOOD TASK FORCE
(IRTF)
ITTO BUDGET(US\$) \$283,097.00
STARTING YEAR:

TITLE: DEVELOPMENT OF THE INDIAN RUBBERWOOD INDUSTRY (PHASE I)

DESCRIPTION:

This 2-year project will implement technical assistance, market promotion and information dissemination activities to improve the productivity of the rubberwood industry and promote increased utilization of rubberwood in India. Technical assistance and training will be provided in (i) furniture design; (ii) industrial production of furniture and joinery; and (iii) equipment selection.

PROJECT: PD014/99 Rev.2 (I)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: PENDING FINANCE
COUNTRY: FRANCE
AGENCY: ATIBT
ITTO BUDGET(US\$) \$113,413.00
STARTING YEAR:

TITLE: GENERAL NOMENCLATURE OF TROPICAL TIMBER

DESCRIPTION:

The aim of this one-year project is to produce a revised and updated version of a previous ATIBT publication entitled A General Nomenclature of Tropical Timber. The new edition will be widely distributed in three languages and serve as a reference work for the identification of tropical forest species for use by governments, private individuals, research bodies and international organizations. The work will be undertaken at ATIBT Headquarters in Paris.

REFORESTATION AND FOREST MANAGEMENT PROJECTS

PROJECT: PPD012/93 (F)
SESSION APPROVED XVI
SESSION FUNDED XVI
STATUS: COMPLETED
COUNTRY: ITTO
AGENCY: ITTO
ITTO BUDGET(US\$) \$44,000.00

TITLE: BIOTECHNOLOGY AND SUSTAINABLE PRODUCTION OF TROPICAL TIMBER

DESCRIPTION:

During its XVth Session, the ITTC decided to request the Executive Director of ITTO to contract a study on biotechnology issues which pertain to sustainable production, processing and marketing of tropical timber. This project has been designed in order for the Secretariat to

REFORESTATION AND FOREST MANAGEMENT PROJECTS

STARTING YEAR: 1994	implement this decision.
PROJECT: PPD011/96 Rev.2 (F) SESSION APPROVED XXII SESSION FUNDED XXII STATUS: COMPLETED COUNTRY: TOGO AGENCY: DEPT. FOR THE PROTECTION AND CONTROL OF FLORA UTILZTN. ITTO BUDGET(US\$) \$59,204.00 STARTING YEAR: 1998	<p>TITLE: IDENTIFICATION AND PLANNING OF MEASURES FOR THE SUSTAINABLE MANAGEMENT OF THE KLOTO COMMUNITY FORESTS IN THE RESERVED FOREST OF MISSAHOE WITH THE PARTICIPATION OF RURAL COMMUNITIES</p> <p>DESCRIPTION: The specific objective of this pre-project is to formulate a project proposal which will contribute to the restoration and sustainable management of the Kloto natural forests.</p> <p>Pre-project activities are concerned with the engagement of consultants in order to conduct preliminary studies focussed on the following aspects:</p> <ul style="list-style-type: none"> - socio-economic survey of the project area; - development of strategies for a better involvement of local communities in forest management activities; - review of the status of Kloto forests and their exploitation; - review of the national capability, in terms of personnel, administrative framework and infrastructure, with regard to the implementation of activities related to sustainable forest management.
PROJECT: PPD016/96 Rev.2 (F) SESSION APPROVED XXI SESSION FUNDED XXII STATUS: COMPLETED COUNTRY: CHINA AGENCY: DEPARTMENT OF FORESTS, YUNNAN PROVINCE ITTO BUDGET(US\$) \$91,046.50 STARTING YEAR: 1997	<p>TITLE: DEMONSTRATION ON REFORESTATION USING TROPICAL HARDWOOD SPECIES IN YUNNAN PROVINCE OF CHINA</p> <p>DESCRIPTION: The specific objectives of the pre-project are to critically assess various aspects of tropical reforestation in Yunnan Province, China, and to formulate a project proposal to deal with the reforestation of lands in the Province with tropical hardwood species, with the participation of forestry related research and development agencies as well as local communities, especially indigenous forest dwellers and resettled populations.</p>
PROJECT: PPD001/97 Rev.1 (F) SESSION APPROVED XXII SESSION FUNDED XXII STATUS: COMPLETED COUNTRY: CAMEROON AGENCY: INSTITUT DE LA RECHERCHE AGRICOLE POUR LE DEVELOPPEMENT ITTO BUDGET(US\$) \$82,396.00 STARTING YEAR: 1997	<p>TITLE: EVALUATION OF THE IMPACT OF DISTURBANCES AND CONSERVATION IN SITU OF THE PHYTOGENIC RESOURCSE OF CAMEROON'S CLOSED FOREST</p> <p>DESCRIPTION: The specific objective of the Pre-project is to develop a project proposal to be submitted to ITTO in order to assess the impact of disturbances on forest stands and develop strategies for the in situ conservation of the phylogenetic resources of Cameroon closed forest. Pre-project activities will include:</p> <ul style="list-style-type: none"> - the selection and engagement of national and international consultants; - bibliographical reviews of existing information related to the impact of disturbances on forest stands and on in situ conservation of phylogenetic resources of closed dense forests; - review of forest inventory work so far carried out in Cameroon; - field visits; - development of a project proposal to be submitted to ITTO.
PROJECT: PPD003/97 Rev.1 (F) SESSION APPROVED XXII SESSION FUNDED XXII STATUS: COMPLETED COUNTRY: BOLIVIA AGENCY: MINISTERIO DE AGRICULTURA, GANADERIA Y DESARROLLO RURAL ITTO BUDGET(US\$) \$88,198.00 STARTING YEAR: 1998	<p>TITLE: TECHNICAL ASSISTANCE TO DEVELOP A FOREST INVENTORY AND MONITORING PROGRAMME FOR THE SUSTAINABLE MANAGEMENT OF BOLIVIA'S FOREST RESOURCES</p> <p>DESCRIPTION: This proposal will provide technical assistance to develop a program on the inventory, re-inventory and monitoring forest resources, conditions and trends in Bolivia, and the periodic reporting of that information on a local, regional and national basis.</p>
PROJECT: PPD008/93 (F) SESSION APPROVED XIV SESSION FUNDED XIV STATUS: OPERATIONAL COUNTRY: ITTO AGENCY: ITTO ITTO BUDGET(US\$) \$110,000.00 STARTING YEAR: 1996	<p>TITLE: DEMONSTRATION AREAS FOR SUSTAINABLE MANAGEMENT OF PRODUCTION FORESTS</p> <p>DESCRIPTION: This pre-project aims at creating awareness of the actual level of performance in achieving sustainable management of tropical production forests. Producing member countries are requested to submit to the ITTO, forest areas that can be considered managed according to the ITTO Guidelines and Criteria for Sustainable Forest Management. These forests will then serve as showcases for the practical implementation of sustainable forest management of production forests.</p>
PROJECT: PPD004/96 Rev.1 (F) SESSION APPROVED XX SESSION FUNDED XX STATUS: OPERATIONAL CONGO	<p>TITLE: DEVELOPMENT OF A MASTER PLAN FOR FOREST MANAGEMENT IN CONGO</p> <p>DESCRIPTION: The aim of this pre-project is to define a global strategy and an action plan with the view of</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>COUNTRY: planning on lands suitable for forests and to developing forest management plans. AGENCY: DIRECTION GENERALE DES EAUX ET FORETS ITTO BUDGET(US\$) \$44,385.00 STARTING YEAR: 1997</p>	
<p>PROJECT: PPD013/96 Rev.1 (F) SESSION APPROVED XXI SESSION FUNDED XXI STATUS: OPERATIONAL COUNTRY: COTE D'IVOIRE AGENCY: SODEFOR ITTO BUDGET(US\$) \$84,930.00 STARTING YEAR: 1997</p>	<p>TITLE: ESTABLISHMENT OF A NETWORK OF PERMANENT SAMPLE PLOTS TO MONITOR THE DYNAMICS OF THE COTE D'IVOIRE RESERVED FORESTS</p> <p>DESCRIPTION: This pre-project is aimed at establishing a network of permanent sample plots to improve existing knowledge on the dynamics of forest stands (both natural and planted) for the purpose of establishing the sustainable management of forest ecosystems in Cote d'Ivoire.</p>
<p>PROJECT: PPD004/97 Rev.1 (F) SESSION APPROVED XXIII SESSION FUNDED XXIII STATUS: OPERATIONAL COUNTRY: BRAZIL AGENCY: PRO-CERRADO FOUNDATION ITTO BUDGET(US\$) \$51,168.00 STARTING YEAR: 1998</p>	<p>TITLE: REHABILITATION OF DAMAGED AREAS OF THE "CERRADO"</p> <p>DESCRIPTION: Only 8% of the natural forest cover remains in the southwestern region of the State of Goias, due mainly to the extensive agricultural, cattle ranching and charcoal producing activities developed there in recent decades. This, in turn, has resulted in a level environmental degradation that it is already affecting microclimates and water cycles, not to mention flora and fauna populations. While legislation is now in place and enforced to limit further deforestation and environmental degradation, activities and funds for the rehabilitation of degraded lands have not been forthcoming.</p> <p>This pre-project intends to formulate a project proposal to correct this problem through the implementation of a pilot programme for the rehabilitation of the degraded lands in the southwestern region of the States of Goias, as well as through the sustainable management and environmental protection of the remaining forest areas.</p>
<p>PROJECT: PPD007/97 Rev.1 (F) SESSION APPROVED XXIII SESSION FUNDED XXIII STATUS: OPERATIONAL COUNTRY: BRAZIL AGENCY: IBAMA ITTO BUDGET(US\$) \$147,700.00 STARTING YEAR: 1998</p>	<p>TITLE: FOREST INVENTORY FOR THE SUSTAINABLE PRODUCTION OF MAHOGANY TIMBER</p> <p>DESCRIPTION: The objective of this pre-project is to gather all relevant information on the distribution, ecology, silviculture and management of Swietenia macrophylla (Mahogany) in its region of natural occurrence in the Brazilian Amazon and, based on the outcome, formulate a project proposal to update and consolidate the qualitative and quantitative aspects of Brazil's mahogany resources through the development and implementation of a cost-effective technique to inventory and monitor this species. The Brazilian government also aims to use the so developed information base as a tool to formulate strategies towards the achievement of the Year 2000 Objective as regards this highly valued species.</p>
<p>PROJECT: PPD010/97 Rev.2 (F.I) SESSION APPROVED XXIV SESSION FUNDED XXV STATUS: OPERATIONAL COUNTRY: NEPAL AGENCY: INSTITUTE OF FORESTRY, HETAUDA, TRIBHUVAN UNIV. NEPAL ITTO BUDGET(US\$) \$50,000.00 STARTING YEAR: 1999</p>	<p>TITLE: FORMULATION OF A PROJECT PROPOSAL FOR SUSTAINABLE MANAGEMENT AND REHABILITATION OF NEPAL'S TROPICAL FOREST RESOURCES THROUGH COMMUNITY PARTICIPATION AND MANPOWER DEVELOPMENT</p> <p>DESCRIPTION: Nepal was known as an exporter of tropical timber up to 1950s, but now this scenario has changed and the country has become a net importer of the timber due to lack of scientific management of the tropical forests of the country.</p> <p>At present His Majesty's Government of Nepal (HMG/N) policy is to develop the country as an exporter of tropical timber mainly of <i>Sal (Shorea robusta)</i> and its associates as well as to meet the basic domestic needs of the forest produce. The Forest Department (FD) needs support/assistance from other agencies to meet the national requirements.</p> <p>The main objective of the pre-project will be to design management alternatives for the rehabilitation of degraded and over exploited forests of <i>Sal</i> and to promote forest stewardship and sustainable production of tropical timber in the country. The pre-project also proposes to develop a mutually beneficial management strategy for community plantation on common lands of rural areas in the tropical zone in order to minimize the pressure on the existing forests.</p>
<p>PROJECT: PPD002/98 Rev.1 (F) SESSION APPROVED XXIV SESSION FUNDED XXV STATUS: OPERATIONAL COUNTRY: PERU AGENCY: NATIONAL FORESTRY CHAMBER (CNF) ITTO BUDGET(US\$) \$50,851.00 STARTING YEAR: 1999</p>	<p>TITLE: PROMOTION AND TRANSFER OF KNOWLEDGE ON SUSTAINABLE FOREST MANAGEMENT MODELS AMONG TIMBER PRODUCERS</p> <p>DESCRIPTION: This pre-project proposal has been revised taking into account the comments and recommendations made by the ITTO Expert Panel.</p> <p>The proposal is aimed at the formulation of a project for the promotion and transfer of sustainable forest management models to Peruvian forest producers who hold long-term forest</p>

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concessions granted by the Government through public tender.

The proposal originated from the decision jointly agreed on by the Government and the private sector through the National Forestry Chamber to encourage the effective participation of producers in the sustainable management of forests and in the achievement of ITTO Objective 2000.

The proposal will be located in two selected areas of permanent production forest: Selva Central, covering 500,000 hectares, and Madre de Dios, covering 900,000 hectares of tropical forests, which will be granted to forest producers on long-term forest concessions.

Furthermore, the proposal envisages the implementation of a training program for timber producers in the use of ITTO guidelines and principles and sustainable forest management technologies.

PROJECT: PPD007/98 Rev.1 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: TOGO
AGENCY: ODEF
ITTO BUDGET(US\$) \$66,038.00
STARTING YEAR: 1998

TITLE: SUPPORT TO THE AKPOSSO POPULATION FOR THE DEVELOPMENT OF A PARTICIPATIVE APPROACH TO FOREST MANAGEMENT IN THE BATO AREA (NORTH AMOU)

DESCRIPTION:

The Amou Prefecture lies in Togo's forest area. It is a region suitable for the development of cash crops (coffee, cocoa). The promotion of these crops has been at the expense of the forest, which has almost disappeared in the rural countryside of the Akposso, with the exception of a few remnants more or less preserved for reasons of accessibility. The present pre-project aims to establish the general conditions in order to prepare a project proposal for the production of timber. The main idea is to reduce, or even eliminate the negative effects associated with the destruction of the vegetation cover, and to contribute to meeting the local, national, and external timber needs, and to contribute to the improvement of the living conditions of the populations concerned.

PROJECT: PPD010/98 Rev.1 (F)
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: CAMBODIA
AGENCY: DEPARTMENT OF FORESTRY AND WILDLIFE
ITTO BUDGET(US\$) \$66,971.00
STARTING YEAR: 1999

TITLE: ESTABLISHMENT OF FOREST RESEARCH BASE FOR SUSTAINABLE FOREST MANAGEMENT IN CAMBODIA

DESCRIPTION:

The Royal Government of Cambodia, MAFF recently, decided to create a Forestry Research Institution within the Department of Forestry and Wildlife in order to support long term Sustainable Forest Management. The objective of this Pre-Project is to establish a Forestry Research base with full capacity that can serve as an instrument for upgrading technologies for sustainable Forest Management in Cambodia with a view to Forest Conservation as well as to wood sustainable use. The Pre-Project will analyse the capacity needs of Forest Management and Forestry research in Cambodia, design study the establishment of Forest Research base and Develop a Project Proposal for submitting to ITTO.

PROJECT: PPD007/99 Rev.1 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: ECUADOR & PERU
AGENCY: CONSERVACION INTERNACIONAL - MINISTERIO DE MEDIO AMBIENTE
ITTO BUDGET(US\$) \$177,367.00
STARTING YEAR: 1999

TITLE: INITIATIVE TO DEVELOP A CONSERVATION PROJECT FOR THE CONDOR RANGE REGION (ECUADOR & PERU)

DESCRIPTION:

This proposal envisages the development of a management plan to establish an integrated system of protected natural areas along the eastern and western slopes of the Condor Mountain Range, including the ecological protection area established during the peace process (Heads of State of Guarantor Countries' Charter and Brasilia Presidential Act), in order to strengthen the sustainable development capacity of native and local communities.

The proposal has resulted from a decision jointly made by the Governments of Peru and Ecuador and the private sector, represented by Conservation International, to ensure a participatory planning process with the involvement of local stakeholders and both Ecuadorian and Peruvian national institutions.

The proposal will cover the areas situated between the highlands and lowlands of the Condor Range Region, which in the case of Peru includes the areas found between the Santiago and Comaina rivers. This region comprises forests and ecosystems of significance for the conservation and sustainable use of natural resources.

PROJECT: PPD008/99 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: CAMEROON
AGENCY: ONADEF (NATIONAL FOREST DEVELOPMENT AGENCY)
ITTO BUDGET(US\$) \$31,125.00
STARTING YEAR: 1999

TITLE: IDENTIFYING AN INDIGENOUS FOREST PLANTATION STRATEGY FOR FAST-GROWING TROPICAL SPECIES IN THE NYONG VALLEY (CENTRAL PROVINCE OF CAMEROON)

DESCRIPTION:

The Nyong Valley forest area is part of the wider Sanaga basin, mainly situated in the Central Province of Cameroon. It comprises several forest reserves including the Mbalmayo, Ottotomo and Dja reserves among the most significant ones. These reserves should be protected from the process of degradation currently affecting the area.

Silvicultural extension work undertaken in the area some twelve years ago have only had a limited impact due to the lack of understanding of plantation management methodology, however it produced a number of significant results.

REFORESTATION AND FOREST MANAGEMENT PROJECTS

This Pre-project proposal builds upon these results in order to produce the inputs required for the development of a project proposal designed for the promotion of private indigenous forest plantations under a new type of partnership and through concerted incentive actions between target communities and Governmental forest authorities.

PROJECT: PPD012/99 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: INDIA
AGENCY: INDIAN INSTITUTE OF FOREST
MANAGEMENT (IIFM)
ITTO BUDGET(US\$) \$59,186.00
STARTING YEAR: 1999

TITLE: SUSTAINABLE TROPICAL FOREST MANAGEMENT THROUGH
COMMUNITY PARTICIPATION IN INDIA

DESCRIPTION:

In view of the various threats to the forest ecosystems of Madhya Pradesh the Project proposes to carry out systematic and in-depth studies on the problems that has lead to the present state of forest degradation and consequent increased mortality among a large number of trees and other vegetation. Attempts will be made to identify key management issues required to ensure sustainable forest management. With the help of the State Forest Department of Madhya Pradesh, the seven criteria of Sustainable Forest Management evolved by ITTO are proposed to be tested in the three major forest ecosystems represented by dominant commercial timber species of the state. Different indicators will be used to measure the extent of sustainability of prevalent management practices and to provide necessary inputs to forest managers. In addition, the concept of community forestry known as Joint Forest Management will be strengthened as there still exist communication barriers between the foresters and the people which hampers the acceptance of sustainable forest management by the local communities.

This pre-project is intended to create awareness among communities, NGO, field foresters, forest administrator, policy makers, forest based industries and other stakeholders to understand the importance of community participation in sustainable tropical forest management.

PROJECT: PPD011/97 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXV
STATUS: PENDING AGREEMENT
COUNTRY: LIBERIA
AGENCY: FDA
ITTO BUDGET(US\$) \$56,970.00
STARTING YEAR:

TITLE: ASSESSMENT OF THE FORESTRY SECTOR

DESCRIPTION:

The objective of the project is two-fold: (i) to assess and review the needs of the Forestry administrative structure and infrastructure, and (ii) to review technical aspects and assess the needs in connection with sustainable forest management. The main outputs include:

- A report on the forestry administrative structure;
 - A report on the infrastructural and equipment needs of the forestry sector;
 - A report on trained manpower needs;
 - A report on the existing forest resource base;
 - A report on the forest management system;
- Two project proposals on priority areas.

PROJECT: PPD002/99 Rev.1 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: PAPUA NEW GUINEA
AGENCY: PAPUA NEW GUINEA FOREST
AUTHORITY
ITTO BUDGET(US\$) \$95,267.00
STARTING YEAR:

TITLE: A MODEL FOREST MANAGEMENT AREA IN PAPUA NEW GUINEA

DESCRIPTION:

The objective of this pre-project is to formulate a project proposal for a Model Forest Management Area (MFMA) in PNG. More specifically the pre-project would verify the suitability of the proposed area from a commercial and ecological view as a MFMA. Furthermore, the pre-project would make preparations for the design, planning and initiation of the commercial management of a MFMA in Papua New Guinea for multiple products and services. The pre-project would also include terms of reference for specialist consultancies to be carried out during the full project on a) conservation set-asides in concession areas, b) incorporation of wildlife protection, c) enhancement techniques in regeneration models, and d) expansion of the Logging Code of Practice to include biological and soil/water issues. Finally, the pre-project would investigate how research, training and demonstrations could be integrated into these operations, in order to improve the practices in Papua New Guinea and elsewhere in South East Asia and the Pacific.

PROJECT: PPD005/99 Rev.1 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: PENDING AGREEMENT
COUNTRY: THAILAND
AGENCY: FOREST RESEARCH OFFICE
ITTO BUDGET(US\$) \$82,079.00
STARTING YEAR:

TITLE: DEVELOPMENT OF A MODEL FOREST FOR SUSTAINABLE FOREST
MANAGEMENT IN THAILAND

DESCRIPTION:

This pre-project aims to promote sustainable forest management in Thailand through providing information and a management plan for establishing a model forest using sustainable management practices. The main activities are the establishment of data-base for forest planning and development of management plan for model forest. This will improve strategies for sustainable management of Thailand's forest.

Specific Objectives: 1) To compile essential data for formulating forest management plan; 2) To provide a management plan for establishing a model forest network of sustainable forest management in Thailand.

PROJECT: PPD019/99 Rev.1 (F)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: INDONESIA & AUSTRALIA
AGENCY: INDONESIAN MINISTRY OF FORESTRY
AND ESTATE CROPS

TITLE: STRENGTHENING SUSTAINABLE MANAGEMENT OF NATURAL
FORESTS IN ASIA-PACIFIC

DESCRIPTION:

Sustainable forest management has recently been advanced through the endorsement of the Code of Practice for Forest Harvesting in Asia-Pacific by member countries of the Asia-Pacific Forestry Commission (APFC) during its 17th session in Yogyakarta, February 1998. It was developed to support the contribution of forest harvesting to the sustainable forest management

REFORESTATION AND FOREST MANAGEMENT PROJECTS

ITTO BUDGET(US\$): \$127,655.00
STARTING YEAR:

of natural forests. Crucial prerequisites for adopting improved harvesting practices are awareness raising and training at policy, management and operational levels (Training-of-Trainers) and the development of manuals and training modules. Numerous initiatives are currently underway to promote improved practices and to design a strategy for better forest management. The development of the pre-project is to promote the contribution of forest harvesting to sustainable management of tropical forests in key Asia-Pacific countries. This pre-project proposal will significantly contribute to the initiatives by supporting activities that are geared towards the dissemination of relevant and up-to-date information, building political support, the development of a comprehensive training strategy, the review of alternative model forest management areas and the preparation of a full proposal for the operation of demonstration areas.

PROJECT: PPD010/96 Rev.2 (F)
SESSION APPROVED XXV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: TOGO
AGENCY: DEPARTMENT OF FOREST PRODUCTION (DFF)
ITTO BUDGET(US\$) \$38,240.00
STARTING YEAR:

TITLE: PRELIMINARY STUDY FOR A PROJECT ON THE PRODUCTION OF TIMBER BY THE AGROFORESTRY METHOD IN THE WAWA REGION (PLATEAUX REGION OF TOGO)

DESCRIPTION:

The promotion of revenue crops such as coffee and cocoa has led to a significant impoverishment of the local industrial timber evergreen forest in the district of WAWA, a western region of Togo. This means that the region, long considered to be the industrial timber factory of the country, can no longer fulfil its role of supplying timber products.

The main idea behind this pre-project is to set up a methodology that will enable the local communities to enrich the existing forest with industrial timber species or introduce them into agricultural space.

PROJECT: PPD016/98 Rev.1 (F)
SESSION APPROVED XXV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: TOGO
AGENCY: MINISTRY OF ENVIRONMENT AND FOREST PRODUCTION
ITTO BUDGET(US\$) \$59,519.00
STARTING YEAR:

TITLE: MANAGEMENT OF THE ABOULAYE FOREST ESTATE

DESCRIPTION:

The Permanent Forest Estate covers an area of 789,000 ha extending over 14% of the total land acreage of the country. It is poorly managed and subjected to pressures from various factors. Experience showed that the sustainable management of these areas can only be ensured through a consensus approach between the various stakeholders.

This project is designed to propose a management plan which would ensure the sustainability of the Aboulaye forest estate as a wildlife reserve and timber production forest. It will also enhance the capability of local surrounding communities to sustainably manage forest resources and thereby contribute to improving their living standard and socio-economic well-being. This approach is based on the effective participation of communities and builds upon the findings and results of participatory management experiences acquired under the Technical Assistance to Data Collection and Dissemination on Environment Protection Project (*Assistance Technique à la Communication et à l'Information sur la Protection de l'Environnement, Pacife*) and draws from reports of consultation meetings held by local communities in protected forest areas and the Forest Department.

PROJECT: PPD004/99 Rev.2 (F)
SESSION APPROVED XXVI
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: COLOMBIA
AGENCY: MIN FOR ENVIRONMENT, SPECL ADM UNIT OF NAT PARKS SYSTEM
ITTO BUDGET(US\$) \$58,236.00
STARTING YEAR:

TITLE: PRE-PROJECT FOR THE PROTECTION AND SUSTAINABLE USE OF FOREST RESOURCES IN THE SPECIAL MANAGEMENT AREA OF DARIEN

DESCRIPTION:

OVERALL OBJECTIVE:

The overall objective of this Pre-project is to design a project on the basis of a participatory approach to promote forest and social development in the Colombian region of Darien.

SPECIFIC OBJECTIVES:

Technically design a project approved and supported by regional and local public and private stakeholders.

Ensure counterpart contributions in cash and in kind from the stakeholders involved and their corresponding support for the implementation of the project in the region.

Timely submit the full project proposal derived from pre-project activities for the consideration of ITTO.

PROJECT: PPD022/99 Rev.1 (F)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: CAMBODIA
AGENCY: DEPARTMENT OF FORESTRY AND WILDLIFE
ITTO BUDGET(US\$) \$77,121.00
STARTING YEAR:

TITLE: IMPROVED LIVING STANDARD OF THE PEOPLE THROUGH COMMUNITY PARTICIPATION IN SUSTAINABLE FOREST MANAGEMENT

DESCRIPTION:

The aim of this pre-project is to increase the standard of living of the rural population in the mountain forest area through their organization and participation in the sustainable management of renewable natural resources.

This proposal will be implemented in the District of Banteay Meas and Angkorchey, Kampot province, in an area around 3,900Ha where the Government allocated for community forestry section.

REFORESTATION AND FOREST MANAGEMENT PROJECTS

The main expected outputs are related to create awareness among communities, NGOs, field foresters, forest administrator, policy makers and other stakeholders to understand the importance of community participation in sustainable tropical forest management.

This proposal will be a pioneering programme to promote community-base forest management in Cambodia.

PROJECT: PD074/90 Rev.1 (F)
SESSION APPROVED VIII
SESSION FUNDED VIII
STATUS: COMPLETED
COUNTRY: GERMANY
AGENCY: FEDERAL RESEARCH CENTRE FOR
FORESTRY AND FOREST PRODUCT
ITTO BUDGET(US\$) \$600,000.00
STARTING YEAR: 1991

TITLE: BETTER UTILIZATION OF TROPICAL TIMBER RESOURCES IN ORDER TO
IMPROVE SUSTAINABILITY AND REDUCE NEGATIVE ECOLOGICAL
IMPACTS

DESCRIPTION:

The objectives of the project are to contribute to the improvement of the utilization of timber from tropical rain forests and at the same time preserve or improve their ecological functions. This will be achieved through systematic research of case studies in selected geographic areas. The project will aim at making recommendations with regard to increasing yield of timber, improving wood processing techniques, reducing residues, industrial use of residues, utilizing lesser-used species. It is proposed that the project be executed in three of the following African countries: Cameroon, Côte d'Ivoire, Ghana and Republic of Congo and in one Southeast Asian country.

PROJECT: PD099/90 Rev.1 (F)
SESSION APPROVED IX
SESSION FUNDED IX
STATUS: COMPLETED
COUNTRY: BRAZIL
AGENCY: IBAMA
ITTO BUDGET(US\$) \$469,000.00
STARTING YEAR: 1992

TITLE: ESTABLISHMENT OF RIO PRETO NATIONAL FOREST

DESCRIPTION:

The long term objectives of the project are to develop a management model for sustainable production of timber and other forest products, to eliminate harmful exploitation of the forest and adverse effects of forest utilization on water, soil, and fauna. It also aims at introducing new technologies for forest exploitation and at diversifying the availability of wood and other forest products in the national and international markets.

The project will apply a sustainable production system in the Rio Preto National Forest, promote forest regeneration and enrichment, promote the utilization of lesser used species in the National Forest and disseminate the results to other actors in the forestry sector. An important additional aim is to analyze the socio-economic role of the forest and to determine its compatibility with sustainable development objectives.

Main activities in the proposed ITTO supported initial phase of the project, which will be implemented over a period of five years, are forest inventory and mapping, soil surveys, management plan development and infrastructure development.

PROJECT: PD106/90 Rev.1 (F)
SESSION APPROVED IX
SESSION FUNDED IX
STATUS: COMPLETED
COUNTRY: MALAYSIA
AGENCY: THE SARAWAK FOREST DEPARTMENT
ITTO BUDGET(US\$) \$1,750,837.00
STARTING YEAR: 1992

TITLE: DEVELOPMENT OF THE LANJAK ENTIMAU WILDLIFE SANCTUARY AS A
TOTALLY PROTECTED AREA - PHASE I

DESCRIPTION:

The objective of the project is to develop the Lanjak-Entimau Wildlife Sanctuary into a Totally Protected Area (TPA) for nature conservation and as a site for biological research. The sanctuary has an area of 168,758 ha and an extension of another 18,414, has been proposed. It has a common border with a larger sanctuary in Indonesia (PD 26/93 (F)), and the development of the Malaysian TPA will be carried out in cooperation with the relevant agencies of the Government of Indonesia. The proposed project is a first phase of the envisaged development of the Lanjak-Entimau Sanctuary and involves the establishment of a management plan and the drafting of a project proposal for the second phase in which the established plan will be implemented.

Under expanded activities of the project, a joint Expedition - Indonesia & Malaysia - to explore the biodiversity resources has been conducted (ITTO Borneo Biodiversity Expedition 1997).

PROJECT: PD172/91 Rev.2 (F) II
SESSION APPROVED XI
SESSION FUNDED XIX
STATUS: COMPLETED
COUNTRY: COLOMBIA
AGENCY: MINISTRY OF THE ENVIRONMENT-
CEUDES
ITTO BUDGET(US\$) \$632,974.00
STARTING YEAR: 1997

TITLE: THE RECOVERY OF NATURAL SYSTEMS OF THE HILLSIDES OF
CAQUETA - PHASE II

DESCRIPTION:

The hillside ecosystems of Caqueta have been severely degraded as a result of past land use practices associated with colonization in the area. The overall objective of the project is to rehabilitate the forest production potential and other potential resource uses.

The project will be implemented over a three year period and will involve resource evaluation, socio-economic research and the development of a recovery plan in consultation with affected residents. Pilot scale demonstration areas of key elements of the recovery plan, will also be established.

PROJECT: PD185/91 Rev.2 (F) I
SESSION APPROVED XI
SESSION FUNDED XIV
STATUS: COMPLETED
COUNTRY: MALAYSIA
AGENCY: FORESTRY DEPARTMENT

TITLE: SUSTAINABLE FOREST MANAGEMENT AND DEVELOPMENT IN
PENINSULAR MALAYSIA - PHASE I

DESCRIPTION:

The total land under natural forest in Peninsular Malaysia is estimated at 5.51 million ha, of which 2.36 million ha are logged over production forests. The logging system used to date has proved to be mechanically effective and cost efficient in lowland forests which have since been

REFORESTATION AND FOREST MANAGEMENT PROJECTS

HEADQUARTERS, PENINSULAR
MALAYSIA

ITTO BUDGET(US\$) \$1,056,789.00
STARTING YEAR: 1994

converted to agriculture. Since the operations are now moving into steeper terrain however, logging impact is damaging the residual stands, inhibiting forest regeneration and causing other environmental damage.

The objectives of the project are two-fold. The first is to develop and disseminate better harvesting and logging methods for hill forests, while the second is to develop and extend enrichment planting techniques for logged over forests. The first objective will be achieved through activities such as reviewing existing logging methods, surveying logging damage, conducting trials to develop new harvesting methods, and the dissemination of the technology developed for industry operations. The stock, refining planting and vegetative plant propagation methods, enrichment planting trial plots covering 1,200 ha logged-over forests, and the dissemination of technology developed.

PROJECT: PD042/92 Rev.1 (F) II
SESSION APPROVED XIII
SESSION FUNDED XVIII
STATUS: COMPLETED
COUNTRY: PERU
AGENCY: INRENA
ITTO BUDGET(US\$) \$977,550.00
STARTING YEAR: 1996

TITLE: REFORESTATION AND SUSTAINABLE MANAGEMENT AND
UTILIZATION IN THE NATURAL CLOUD FORESTS OF JAEN - SAN
IGNACIO - PHASE II

DESCRIPTION:

This 5 year project which is divided into two phases, the first two years of which is presented with a fully budgeted proposal, aims to develop and implement a model forest management plan involving reforestation activities, natural regeneration improvement, forest extension activities, implementation of pilot wood processing mills and research activities. The overall objective of which is to lead to the sustainable management of the natural cloud forests of the Jaén and San Ignacio Provinces.

PROJECT: PD022/93 Rev.4 (F)
SESSION APPROVED XVII
SESSION FUNDED XVIII
STATUS: COMPLETED
COUNTRY: CAMEROON
AGENCY: ONADEF
ITTO BUDGET(US\$) \$725,102.00
STARTING YEAR: 1995

TITLE: FOREST MANAGEMENT, COMMUNITY PARTICIPATION AND
SUSTAINABLE UTILIZATION IN SI-KOP FOREST AREA, COASTAL
PROVINCE, CAMEROON

DESCRIPTION:

The project aims to manage an area of tropical moist forest in Cameroon for the sustainable production of both timber and non-timber products. This project is mainly concerned with planning operations related to sustainable management and the development of the project area, while assisting Cameroon's overall development objectives. The main objectives include the establishment of an extractive reserve to promote the sustainable use of non-timber forest products by local people while helping conservation of a rich forest and the creation of a village cooperative to help organize local farmers, and provide them with an important basis for training activities.

PROJECT: PD035/93 Rev.4 (F) II
SESSION APPROVED XVI
SESSION FUNDED XX
STATUS: COMPLETED
COUNTRY: PANAMA
AGENCY: ANCON
ITTO BUDGET(US\$) \$664,650.00
STARTING YEAR: 1996

TITLE: FORESTRY MANAGEMENT, COMMUNITY DEVELOPMENT, AND
SUSTAINED USE OF FORESTS ON THE PUNTA PATIÑO NATURE
RESERVE, DARIEN REGION, REPUBLIC OF PANAMA - PHASE II

DESCRIPTION:

The project aims to establish forestry management and community agroforestry extension programs within the communities of Punta Patiño; promote sustainable reforestation and harvesting program; guarantee the improved living standards of said communities; and develop a sound scientific basis (impact assessments) from which to achieve and support the sustainable management and conservation of the forests in Punta Patiño and throughout Panamá.

PROJECT: PD004/94 Rev.3 (F)
SESSION APPROVED XVII
SESSION FUNDED XVII
STATUS: COMPLETED
COUNTRY: PAPUA NEW GUINEA
AGENCY: PAPUA NEW GUINEA FORESTRY
AUTHORITY
ITTO BUDGET(US\$) \$289,070.00
STARTING YEAR: 1996

TITLE: EAST NEW BRITAIN BALSA INDUSTRY STRENGTHENING PROJECT

DESCRIPTION:

The project is to be conducted in the Gazelle Peninsular area of East New Britain Province. The project area is currently depressed owing to low agricultural commodity prices, which are forecast to continue in the medium term. Balsa is rapidly becoming an important form of diversification for local farmers but industry support and infrastructure are under-resourced and not coordinated. Also, balsa management is generally of a very poor standard.

The objectives of the project are to improve the institutional and organisational effectiveness of the developing industry, and to improve smallholder incomes through balsa development, extension and training, and through genetic improvement of planting stocks. Project outputs will include farmer extension and training, support agency staff training, the development of an organisational structure for coordinating industry activities, and the development of a seed orchard.

PROJECT: PD009/95 Rev.2 (F)
SESSION APPROVED XVIII
SESSION FUNDED XVIII
STATUS: COMPLETED
COUNTRY: PERU
AGENCY: INRENA
ITTO BUDGET(US\$) \$704,503.00
STARTING YEAR: 1996

TITLE: REFORESTATION USING HIGH-VALUE TROPICAL SPECIES IN
AGROFORESTRY SYSTEMS OF THE PROVINCE OF TAMBOPATA

DESCRIPTION:

Cedrela odorata, Swietenia macrophylla, Cedrelinga catenaeformis, Bertholletia excelsa and other tropical species of commercial potential will be established in agroforestry systems over a period of three years with the participation of farmers settled in the province of Tambopata, Department of Madre de Dios, covering a 5 km wide area over 225 km along the Puerto Maldonado-Santa Rosa-Cuzco road.

PROJECT: PD039/95 Rev.1 (F)
SESSION APPROVED XIX

TITLE: INSTITUTIONAL STRENGTHENING FOR THE SUSTAINABLE
MANAGEMENT OF FOREST PLANTATIONS

REFORESTATION AND FOREST MANAGEMENT PROJECTS

SESSION FUNDED: XIX
STATUS: COMPLETED
COUNTRY: COLOMBIA
AGENCY: NATIONAL CORPORATION FOR FOR.
RES. & PROMOTION (CONIF)
ITTO BUDGET(US\$) \$694,886.00
STARTING YEAR: 1996

DESCRIPTION:

This regional coverage project is aimed at strengthening the technical and operational capacities of the Autonomous Regional Corporations (ARC's), which are in charge of areas where forest activities represent a feasible production alternative because of their background or their established potential. Technical assistance will be provided to develop regional silvicultural guides for the planning and design of Forest Establishment and Management Plans (FEMP). Up-to-date basic technical infrastructure will also be provided for the evaluation, monitoring and follow-up of the FEMP's, and training on technical and silvicultural innovations will be given to professional teams that will be responsible for the management of forest plantations within the ARC areas.

PROJECT: PD052/89 Rev.4 (F)
SESSION APPROVED XII
SESSION FUNDED XII
STATUS: OPERATIONAL
COUNTRY: CAMEROON
AGENCY: ONADEF
ITTO BUDGET(US\$) \$1,225,245.00
STARTING YEAR: 1992

TITLE: FORESTRY TREATMENT BY THINNING-OUT IN THE CONTEXT OF A PILOT FOREST DEVELOPMENT SCHEME IN THE RESERVE FOREST OF SUD-BAKUNDU

DESCRIPTION:

The Sud-Bakundu Forest is typical of the moist forests in the Southeastern region of Cameroon that have a long history of both planned and unplanned logging. Much of the unplanned logging is due to small scale encroachment by local people seeking materials and cash to supplement their incomes from subsistence farming or day labor in nearby palm-oil plantations. Sud-Bakundu will form part of the 20% of the total land area that the government of Cameroon has decided will be retained as part of the permanent forest estate. While degraded to some extent by past activities, the forest still contains valuable timber and other forest resources that will need to be brought under more intensive management if their long-term sustainability is to be secured so that Cameroon can continue to be a long-term supplier to the international tropical timber trade. The proposal is to develop and begin to implement an integrated management plan for the area, so that it can act as a regional demonstration model for the development of management techniques and practices for extension to similar forests in the region.

PROJECT: PD068/89 Rev.1 (F)
SESSION APPROVED VII
SESSION FUNDED VII
STATUS: OPERATIONAL
COUNTRY: BRAZIL
AGENCY: IBAMA
ITTO BUDGET(US\$) \$1,513,146.00
STARTING YEAR: 1992

TITLE: MANAGEMENT OF TAPAJOS NATIONAL FOREST FOR SUSTAINABLE PRODUCTION OF INDUSTRIAL TIMBER

DESCRIPTION:

The long term aim is to introduce harvesting and management methods which secure sustained production and minimize adverse effects from forest utilization on water, soil, and animal resources. The project will contribute to this by establishing trials of techniques and methods for harvesting management and regeneration in a 5,000 ha block of the Tapajos Natural Forest in order to promote the optimal use of harvested material and effective integration of the Tapajos Forest utilization in the economy of the Santarem region and by publishing the results of the trials and establishing demonstration areas. A basic forest management plan has been developed and will constitute the foundation and guide for the activities of the project which will establish the application of exploitation and management trials in a block of 1,000 ha, subdivided into ten sub-blocks of 100 ha, each year. The project will be implemented over a period of five years and is expected, besides the research benefits, to generate a gross income of \$US. 3.6 million from sales of timber from the initial felling, the net portion of which will be used to cover part of the costs of protection and management of the Tapajos Forest and to expand the activities to other forests.

PROJECT: PD089/90 (F) I
SESSION APPROVED VIII
SESSION FUNDED VIII
STATUS: OPERATIONAL
COUNTRY: INDONESIA
AGENCY: MINISTRY OF FORESTRY, INDONESIA
ITTO BUDGET(US\$) \$3,800,000.00
STARTING YEAR: 1992

TITLE: SUSTAINABLE FOREST MANAGEMENT AND HUMAN RESOURCES DEVELOPMENT IN INDONESIA - PHASE I

DESCRIPTION:

The long term objectives are to contribute to sustainable forest management through the improvement of policies and practices in tropical resource management, and specifically in Indonesia, by strengthening the local capacities in forest resources management. The project have three components: (i) Improvement of forest research; (ii) Improvement of the management of conservation and protection forests; (iii) Human resources development, and improved public awareness in topics related to tropical forest management. The three components are inter-related, but can be treated as individual projects. The three components are executed simultaneously for duration of seven years.

PROJECT: PD089/90 (F) II
SESSION APPROVED VIII
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: INDONESIA
AGENCY: MINISTRY OF FORESTRY, INDONESIA
ITTO BUDGET(US\$) \$1,795,610.00
STARTING YEAR: 1997

TITLE: SUSTAINABLE FOREST MANAGEMENT AND HUMAN RESOURCES DEVELOPMENT IN INDONESIA - PHASE II

DESCRIPTION:

The long term objectives are to contribute to sustainable forest management through the improvement of policies and practices in tropical resource management, and specifically in Indonesia, by strengthening the local capacities in forest resources management. The project have three components: (i) Improvement of forest research; (ii) Improvement of the management of conservation and protection forests; (iii) Human resources development, and improved public awareness in topics related to tropical forest management. The three components are inter-related, but can be treated as individual projects. The three components are executed simultaneously for duration of seven years.

PROJECT: PD089/90 (F) III
SESSION APPROVED VIII
XXVII

TITLE: SUSTAINABLE FOREST MANAGEMENT AND HUMAN RESOURCES DEVELOPMENT IN INDONESIA - PHASE III

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>SESSION FUNDED:</p> <p>STATUS: OPERATIONAL</p> <p>COUNTRY: INDONESIA</p> <p>AGENCY: MINISTRY OF FORESTRY, INDONESIA</p> <p>ITTO BUDGET(US\$) \$1,098,900.00</p> <p>STARTING YEAR:</p>	<p>DESCRIPTION:</p> <p>The long term objectives are to contribute to sustainable forest management through the improvement of policies and practices in tropical resource management, and specifically in Indonesia, by strengthening the local capacities in forest resources management. The project have three components: (i) Improvement of forest research; (ii) Improvement of the management of conservation and protection forests; (iii) Human resources development, and improved public awareness in topics related to tropical forest management. The three components are inter-related, but can be treated as individual projects. The three components are executed simultaneously for duration of seven years.</p>
<p>PROJECT: PD103/90 Rev.1 (F)</p> <p>SESSION APPROVED IX</p> <p>SESSION FUNDED IX</p> <p>STATUS: OPERATIONAL</p> <p>COUNTRY: NEPAL</p> <p>AGENCY: INSTITUTE OF FORESTRY, TRIBHUVAN UNIVERSITY, NEPAL</p> <p>ITTO BUDGET(US\$) \$1,203,000.00</p> <p>STARTING YEAR: 1992</p>	<p>TITLE: TRAINING AND MANPOWER DEVELOPMENT IN COMMUNITY FORESTRY MANAGEMENT</p> <p>DESCRIPTION:</p> <p>The project aims at developing teaching and research skills in the field of community forestry and sustainable natural resource management at the Institute of Forestry, the main forestry training center in the country and part of the decentralized University campus system in Nepal. Besides upgrading the capacity and competency of the Institute for meeting national objectives set forth in the recently adopted Forestry Sector Plan, the project will provide technical support and incentives to develop the institute into an international, regional center of excellence in community forestry education and research.</p> <p>The objectives will be reached through a visiting scholar program, over four years, consisting of 8 man-years of internationally recruited experts in relevant fields. Their tasks and duties comprise the following: a) Creation of teaching modules; b) Initiating and conducting field research projects; c) analyze, prepare, and present research findings for publication; d) Conduct seminars and conferences near the end of the term; and e) Convene an international conference near the end of the term. All these activities will be conducted in close liason with the Dean of the Institute of Forestry, with an overriding objective of training the local counterpart staff for self-reliance and competency to continue the program at the completion of the project.</p>
<p>PROJECT: PD115/90 Rev.1 (F)</p> <p>SESSION APPROVED IX</p> <p>SESSION FUNDED IX</p> <p>STATUS: OPERATIONAL</p> <p>COUNTRY: MALAYSIA</p> <p>AGENCY: FORESTRY DEPARTMENT HEADQUARTERS, PENINSULAR MALAYSIA</p> <p>ITTO BUDGET(US\$) \$550,797.00</p> <p>STARTING YEAR: 1993</p>	<p>TITLE: REHABILITATION OF NATURAL FORESTS</p> <p>DESCRIPTION:</p> <p>The project will develop silvicultural measures for rehabilitating degraded forests and restoring their productive capacity while at the same time safeguarding environmental quality and ecological balance. The proposed project constitutes the establishment phase of a long-term research and development effort. The expected results of the project include: an information base concerning the response of degraded forests to various silvicultural treatments under different site conditions; silvicultural systems for rehabilitation of degraded forests; and assesments of cost effectiveness of various treatments.</p> <p>It also expected that a permanent study area of approximately 400 ha can serve as a research, demonstration, and training area for Malaysia and the Southeast Asia region.</p>
<p>PROJECT: PD131/91 Rev.2 (F)</p> <p>SESSION APPROVED X</p> <p>SESSION FUNDED X</p> <p>STATUS: OPERATIONAL</p> <p>COUNTRY: CAMEROON</p> <p>AGENCY: OFFICE NATIONAL DE DEVELOPPEMENT DES FORETS (ONADEF)</p> <p>ITTO BUDGET(US\$) \$534,000.00</p> <p>STARTING YEAR: 1991</p>	<p>TITLE: PILOT PROJECT FOR THE SUSTAINED MANAGEMENT OF THE SO'OLALA FOREST</p> <p>DESCRIPTION:</p> <p>In the national TFAP, it was recommended that a pilot scheme be set up for forest development in the dense forests of Cameroon. The So'olala forest reserve has been selected for this scheme, as it is typical of the essentially unlogged forests that remain in the central and southern provinces of Cameroon. It is also part of the 20% of the land area the Government of Cameroon has decided to retain as its permanent forest estate and will be complemented by other programs designed to establish a national system of biodiversity reserves.</p> <p>The forest has an existing body of a data based on recent mapping, basic forest inventory and socio-economic surveys. This data has been used to draft a development plan for the reserve. This project aims to implement this plan as a model for the remaining permanent forest production areas that have not had any initial logging, and to integrate forest development with the broader socio-economic development of the area in order to reduce the pressure for encroachment.</p> <p>The main activities of the project include: a) infrastructure development; b) logging and processing; c) regeneration and enrichment; d) encouragement of agroforestry activities in the buffer zones of the reserve; e) operational inventory; and f) monitoring and research of regeneration of logged areas.</p> <p>The main expected outputs are: a) expert knowledge in silvicultural operations; b) established logging standards; c) expert knowledge of control of logging operations; and d) training of 200 staff in various forestry activities.</p>
<p>PROJECT: PD162/91 Rev.1 (F)</p> <p>SESSION APPROVED X</p> <p>SESSION FUNDED X</p> <p>STATUS: OPERATIONAL</p> <p>COUNTRY: PAPUA NEW GUINEA</p> <p>AGENCY: FOREST RESEARCH INSTITUTE</p>	<p>TITLE: INTENSIFICATION OF GROWTH AND YIELD STUDIES IN PREVIOUSLY LOGGED FORESTS</p> <p>DESCRIPTION:</p> <p>The project will attempt to consolidate and extend existing growth and yield studies in previously logged forests so as to provide data in a policy relevant form for management</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

ITTO BUDGET(US\$): \$1,628,000.00
STARTING YEAR: 1992

planning within the framework of the Papua New Guinea National Forest Action Plan. The principal focus of the study will be the permanent timber stand improvement plot system established by the Papua New Guinea Forest Research Institute. Its main objectives are: a) To provide for continuity in existing field measurements and data processing programs; b) To design and establish an expanded series of plots to cover, in time, the full range of industrially significant forest types, and to provide data on additional relevant socio-economic and biophysical variables; c) To develop predictive models and otherwise strengthen the Papua New Guinea Department of Forests (DOF) capacity to utilize output data from the present and expanded plot series for management planning and yield control; d) To provide a research linkage with other relevant NFAP projects and in particular to provide data management and planning support for the proposed Management and Monitoring Task Forces and the Forest Resource Inventory Programme; and e) To train additional staff to support the widening scope and intensity of the expanded permanent plot system as it develops.

PROJECT: PD171/91 Rev.2 (F) II.II
SESSION APPROVED XI
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: COLOMBIA
AGENCY: ACOFORE-MINISTRY OF THE ENVIRONMENT
ITTO BUDGET(US\$) \$641,101.00
STARTING YEAR: 1999

TITLE: CONSERVATION AND MANAGEMENT FOR MULTIPLE USE AND DEVELOPMENT OF COLOMBIAN MANGROVE SWAMPS - PHASE II. STAGE II

DESCRIPTION:

Mangrove forests still have quite extensive distributions in Colombia but many areas are under urban development and some have been degraded by over exploitation for both timber and other forest products such as tannin. Mangrove forests are economically important to many coastal communities. The overall objective of the project is to incorporate the management of mangrove forests into sustainable development strategies for the inhabitants of the coastal regions of Colombia.

PROJECT: PD185/91 Rev.2 (F) II
SESSION APPROVED XI
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: MALAYSIA
AGENCY: FORESTRY DEPARTMENT HEADQUARTERS, PENINSULAR MALAYSIA
ITTO BUDGET(US\$) \$542,343.00
STARTING YEAR:

TITLE: SUSTAINABLE FOREST MANAGEMENT AND DEVELOPMENT IN PENINSULAR MALAYSIA - PHASE II

DESCRIPTION:

The total land under natural forest in Peninsular Malaysia is estimated at 5.51 million ha. of which 2.36 million ha are logged over production forests. The logging system used to date has proved to be mechanically effective and cost efficient in lowland forests which have since been converted to agriculture. Since the operations are now moving into steeper terrain however, logging impact is damaging the residual stands, inhibiting forest regeneration and causing other environmental damage. The objectives of the project are two-fold. The first is to develop and disseminate better harvesting and logging methods for hill forests, while the second is to develop and extend enrichment planting techniques for logged over forests. The first objective will be achieved through activities such as reviewing existing logging methods, surveying logging damage, conducting trials to develop new harvesting methods, and the dissemination of the technology developed for industry operations. The stock, refining planting and vegetative plant propagation methods, enrichment planting trial plots covering 1,200 ha logged-over forests, and the dissemination of technology developed.

PROJECT: PD008/92 Rev.2 (F)
SESSION APPROVED XIII
SESSION FUNDED XVI
STATUS: OPERATIONAL
COUNTRY: HONDURAS
AGENCY: NATIONAL SCHOOL OF FORESTRY SCIENCE (ESNACIFOR)
ITTO BUDGET(US\$) \$922,467.00
STARTING YEAR: 1994

TITLE: STUDY ON THE GROWTH OF NATIVE SPECIES OF COMMERCIAL INTEREST IN HONDURAS

DESCRIPTION:

In 1986 Honduras had about 2.7 million ha of broadleaf forest and 2.4 million ha of coniferous forest. The deforestation rate however, is approximately 90,000 ha per year, including an estimated 70,000 ha of broadleaf forest. This has resulted in a total loss of about 1,417,926 ha of broadleaf forest since 1966. With this level of deforestation, a great number of commercially valuable species are lost. The reasons for deforestation are varied, but evidently the greatest influence has been the under-valuation of the forests by the rural communities due to the fact that all forest have been state owned. In response to this problem, this five year project aims at gathering additional information on timber species by increasing, improving and adequately protecting broad-leaved forest resources, thereby contributing to forest knowledge and valuation. More immediately, the project aims at generating and transferring information to promote the establishment of commercial plantations of non-traditional broadleaved species.

PROJECT: PD014/92 Rev.2 (F) III
SESSION APPROVED XII
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: CHINA
AGENCY: HAINAN PROVINCIAL FORESTRY BUREAU OF CHINA
ITTO BUDGET(US\$) \$930,510.00
STARTING YEAR: 1998

TITLE: A DEMONSTRATION PROGRAMME OF SUSTAINABLE UTILIZATION OF TROPICAL FORESTS BY MEANS OF DIFFERENTIATED MANAGEMENT IN HAINAN ISLAND, CHINA - PHASE III

DESCRIPTION:

The proposal involves a 5 year project which aims to establish a demonstration model of integrated and sustainable utilization and management of the tropical resources of Hainan. The project has several components including:

- * The establishment of a demonstration model area for plantation lignoculture.
- * The establishment of a demonstration area for multi-purpose natural forest management.
- * The establishment of a demonstration model for protected conservation forests.

Training, education and extensions are also becoming important achievements of the project.

Phases I and II have been successfully completed.

REFORESTATION AND FOREST MANAGEMENT PROJECTS

PROJECT: PD018/92 Rev.2 (F)
 SESSION APPROVED XII
 SESSION FUNDED XVII
 STATUS: OPERATIONAL
 COUNTRY: COTE D'IVOIRE
 AGENCY: SODEFOR
 ITTO BUDGET(US\$) \$300,000.00
 STARTING YEAR: 1995

TITLE: RESEARCH-DEVELOPMENT ASSOCIATED WITH MANAGEMENT OPERATIONS IN THE CLOSED FOREST OF COTE D'IVOIRE: DETERMINATION OF A FOREST TYPOLOGY RELATED TO SILVICULTURAL SYSTEMS

DESCRIPTION:

At the beginning of the century the closed forests in Cote d'Ivoire accounted for about 15 million ha. This figure has been reduced to somewhere in the range of 2.5 to 3 million ha due to uncontrolled deforestation by farmers for agricultural purposes and selective forest exploitation, which have left the forest impoverished. The remaining forest range from the pristine closed forests to forests in different stages of degradation and agricultural fallow-lands. Its management calls for the application of appropriate and specific silvicultural treatments for each stand.

The main objectives of this R&D project are:

- to develop a comprehensive and practical methodology to characterize forests stands requiring specific silvicultural treatment;
- to define for each of these specific situations, the corresponding silvicultural operations to be carried out; and
- to train forest management staff in field operations.

To achieve these objectives, an area of above 100,000 ha, where different forest degradation stages are encountered will be chosen as a demonstration site. Activities such as aerial photography, cartography, forest inventory, other field data collecting and data processing leading to the definition of silvicultural units will be carried out by this initial project. The experimentation of silvicultural techniques in each of the define silvicultural units will be carried out in a subsequent project. It is also hoped that the project's results will be replicated throughout the country and the neighbouring countries in the future.

PROJECT: PD026/92 Rev.1 (F.I)
 SESSION APPROVED XIII
 SESSION FUNDED XIV
 STATUS: OPERATIONAL
 COUNTRY: CAMEROON
 AGENCY: ONADEF
 ITTO BUDGET(US\$) \$1,957,100.00
 STARTING YEAR: 1994

TITLE: DEVELOPMENT OF METHODS AND STRATEGIES FOR SUSTAINED MANGEMENT OF MOIST TROPICAL FORESTS IN CAMEROON

DESCRIPTION:

Natural forests represent an important natural resource for Cameroonians, provided that they are adequately managed and protected against ill-considered land-use. Considerable efforts to improve natural forest management are being undertaken by the government of Cameroon, and the proposed project is part of the Tropenbos-Cameroon Programme which aims to develop methods and strategies for natural forest management directed at sustainable production of timber and other products and services. The overall objective is to contribute to the development of ecologically sound, socially acceptable and economically viable management systems for the evergreen tropical moist forests in Cameroon.

PROJECT: PD002/93 Rev.1 (F.I)
 SESSION APPROVED XIV
 SESSION FUNDED XVII
 STATUS: OPERATIONAL
 COUNTRY: CONGO
 AGENCY: FORESTRY DEPARTMENT, MINISTRY OF WATERS & FORESTS
 ITTO BUDGET(US\$) \$756,762.00
 STARTING YEAR: 1996

TITLE: INTEGRATED PILOT MANAGEMENT OF THE NGUOA II FOREST NORTH - PHASE I: THE PREPARATION OF A MANAGEMENT PLAN

DESCRIPTION:

To enforce the 1974 Forest Code, management plans on an area of over 1,747,610 ha have been developed in the Congo, especially in the Southern forest zone. However, these forest management plans present serious deficiencies in their design as well as in their implementation, and if they are applied as developed, they will lead to an over-exploitation of forests. Management plan designs have principally focused on timber production, while little consideration is given to social and environmental aspects of the forests concerned. In addition, specific silvicultural prescriptions have not been made to ensure the sustained regeneration of forest resources. With regards to the implementation of management plans, there is an insufficient number of local staff trained in forest management activities, and therefore, they lack the means to implement forest management activities.

The proposal will address the above mentioned issues in developing a pilot forest management plan integrating biophysical, economic, social, and environmental considerations of the forests concerned. The management plan could then serve as a model in updating or developing management plans for other forest zones in Congo. It will also provide training support, functioning as a demonstration area for local forest staff in forest management activities.

PROJECT: PD011/93 Rev.1 (F)
 SESSION APPROVED XIV
 SESSION FUNDED XIV
 STATUS: OPERATIONAL
 COUNTRY: COLOMBIA
 AGENCY: MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET(US\$) \$338,643.00
 STARTING YEAR: 1995

TITLE: A STRATEGY FOR THE SUSTAINABLE MANAGEMENT AND HARVESTING OF FOREST RESOURCES: LEADING TO THE CONSOLIDATION OF THE INDIGENOUS TERRITORIES IN THE COLOMBIAN AMAZON

DESCRIPTION:

The proposed project is located in the Cahuinari National Park, which is inhabited by indigenous people. Recent changes in the Colombian constitution have legally empowered the indigenous groups to manage and develop their territories to maintain their traditional social, cultural and economic integrity. The newly attained rights give indigenous groups broad powers of the use, management, and conservation of natural resources in vast areas covered by tropical rainforests. However, leaders and their people do not understand the implication of these rights nor possess the knowledge and skills to manage areas under their purview.

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>PROJECT: PD012/93 Rev.3 (F) SESSION APPROVED XV SESSION FUNDED XX STATUS: OPERATIONAL COUNTRY: INDONESIA AGENCY: PHPA. MINISTRY OF FORESTRY and FACULTY OF FORESTRY IPB ITTO BUDGET(US\$) \$956,483.00 STARTING YEAR: 1997</p>	<p>Proposed activities are grouped into two categories: 1) management and harvesting forest resources and 2) institutional strengthening and the development of an information and monitoring center. Forest management activities, to be based on ITTO Guidelines for Sustainable Forest Management, shall include:</p> <ul style="list-style-type: none"> - Photo interpretation and mapping; - Species identification and classification as to potential use; and - Workshops and training with the participation of indigenous leaders. <p>TITLE: INTEGRATED FOREST FIRE MANAGEMENT IN INDONESIA - PHASE I: NATIONAL GUIDELINES ON THE PROTECTION OF TROPICAL FORESTS AGAINST FIRE</p> <p>DESCRIPTION: This project aims at assisting the government of Indonesia in developing an integrated forest fire management strategy with an emphasis on protecting tropical forests against fires. The project will develop a national guidelines of protection of tropical forests against fire and enhance the integrated coordination system among the related governmental agencies. Trainings for local personnel will also be organized.</p>
<p>PROJECT: PD024/93 Rev.2 (F) SESSION APPROVED XV SESSION FUNDED XV STATUS: OPERATIONAL COUNTRY: MALAYSIA AGENCY: FORESTRY DEPARTMENT, MALAYSIA ITTO BUDGET(US\$) \$567,558.00 STARTING YEAR: 1994</p>	<p>TITLE: FOREST MANAGEMENT OF NATURAL FORESTS IN MALAYSIA - PHASE II</p> <p>DESCRIPTION: This project is the follow-up phase of Project PD 10/87 (F). Four study areas were established in Selangor, Pehang, Terengganu and Perak of Peninsular Malaysia under the Phase I of the project. There will be a continuation of data analysis including growth and yield modelling and formulation of appropriate forest management systems in the new project. A number of scholarships are proposed for professional foresters of the Forestry Department to analyze the data collected. An international workshop is scheduled for the end of Phase II to share the findings, experiences and recommendations arising from this project and similar research elsewhere.</p>
<p>PROJECT: PD026/93 Rev.1 (F) SESSION APPROVED XV SESSION FUNDED XVI STATUS: OPERATIONAL COUNTRY: INDONESIA AGENCY: PHPA. MINISTRY OF FORESTRY ITTO BUDGET(US\$) \$1,250,807.00 STARTING YEAR: 1995</p>	<p>The specific objective of the project is to establish production levels in terms of volume and species mixture attainable under a variety of harvesting and silvicultural regimes and subsequently to amend the present forest management guidelines. The project will also develop research linkages with local and international research institutions and establish the research plots as demonstration areas for forest management. Some of the activities proposed include: training of counterparts in data management, updating of the instruction manuals, conducting field level data collection, providing fellowship and post graduate studies and organizing an international workshop. Also, the project hopes to establish a network between the Forestry Department, the Forest Research Institute of Malaysia, the Agricultural University of Malaysia and the ASEAN Institute of Forest Management.</p>
<p>PROJECT: PD026/93 Rev.1 (F) SESSION APPROVED XV SESSION FUNDED XVI STATUS: OPERATIONAL COUNTRY: INDONESIA AGENCY: PHPA. MINISTRY OF FORESTRY ITTO BUDGET(US\$) \$1,250,807.00 STARTING YEAR: 1995</p>	<p>TITLE: DEVELOPMENT OF BENTUANG KARIMUN NATURE RESERVE AS A NATIONAL PARK - PHASE I</p> <p>DESCRIPTION: Bentuang Karimun is the largest nature reserve in West Kalimantan and is located adjacent to the Malaysian Lanjak Entimau Wildlife sanctuary, currently receiving assistance under ITTO Project PD 106/90 Rev.1 (F). These areas are reported to be the final retreat for the orangutan and the white fronted monkey.</p>
<p>Bentuang Karimun covers a total area of 600,000 ha consisting of lowland dipterocarp forest, wet hill forest and mountain forest of high biodiversity value. The area is surrounded by logging concessions and due to this condition, it is important that this area be established as a totally protected area. The project will develop management plan for the national park, taking into consideration the socio-economic development in West Kalimantan.</p>	<p>TITLE: CONSERVATION, MANAGEMENT, HARVESTING, AND INTEGRATED SUSTAINED USE OF FORESTS IN THE CHIMANES REGION, BENI, BOLIVIA - PHASE I</p> <p>DESCRIPTION: This project, a continuation of PD 88/90 (F), will be implemented in the Permanent Production Forest areas and the Chiman Indigenous Territory in the Chiman forest of Beni, Bolivia, with the aim of achieving sustainable forest management through the implementation of a series of pilot forest management plans in conjunction with timber companies operating within the Permanent Production Forest and indigenous communities living in the Chiman Indigenous Territory.</p>
<p>PROJECT: PD008/94 Rev.2 (F) SESSION APPROVED XVI SESSION FUNDED XVIII STATUS: OPERATIONAL COUNTRY: GHANA AGENCY: EVERGREEN CLUB OF GHANA ITTO BUDGET(US\$) \$77,015.00</p>	<p>TITLE: EVERGREEN CLUB OF GHANA / ITTO YOUTH IN FORESTRY PROJECT</p> <p>DESCRIPTION: The objective of the project is to strengthen the capability of the Evergreen Club of Ghana (ECOG), an environmental NGO created by school children and which now has branches throughout the country. During the project, community/school environmental awareness activities will be organized and woodlots created. ITTO's support will help ECOG purchase</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

STARTING YEAR: 1995	two cross-country vehicles, one computer, one photocopier, equipment for the awareness campaign, and to hire one expert forester for six months to help in the conduct of the Club's activities.
PROJECT: PD018/94 Rev.1 (F) II SESSION APPROVED XVI SESSION FUNDED XXII STATUS: OPERATIONAL COUNTRY: PERU AGENCY: INRENA ITTO BUDGET(US\$) \$888.310.00 STARTING YEAR: 1997	TITLE: PARTICIPATORY FOREST DEVELOPMENT IN THE ALTO MAYO REGION FOR THE SUSTAINABLE MANAGEMENT OF MOIST TROPICAL FORESTS - PHASE II DESCRIPTION: Through the implementation of reforestation and forest management activities, this project will help increase the living standards of rural populations in the provinces of Rioja and Moyobamba and improve environmental conditions in the region. To achieve these aims, specific project objectives have been set, including a land-use allocation plan in the aforementioned provinces; the establishment of a regional forest seed bank; the establishment of a demonstration model for integrated management and harvesting of timber and non-timber resources in the natural forests of Alto Mayo; the implementation of a training and extension programs; and the promotion of applied forestry research.
PROJECT: PD027/94 Rev.2 (F) SESSION APPROVED XVI SESSION FUNDED XVI STATUS: OPERATIONAL COUNTRY: GHANA AGENCY: FORESTRY DEPARTMENT ITTO BUDGET(US\$) \$694.823.00 STARTING YEAR: 1995	TITLE: WOMEN AND TROPICAL FOREST DEVELOPMENT PROGRAM DESCRIPTION: The objectives of this project are the establishment of a nursery and extension programme in 3 regions of Ghana, to be run by the 31st December Women's Movement (an NGO) to support community-based and private sector reforestation; the establishment of demonstration timber and non-timber forest product plantations; research on the cultivation of non-timber forest products; and to promote West Africa sub-regional consultation on the potential for women to support tropical reforestation.
PROJECT: PD028/94 Rev.2 (F) SESSION APPROVED XVI SESSION FUNDED XVIII STATUS: OPERATIONAL COUNTRY: PERU AGENCY: ASOCIACION BOSQUES Y DESARROLLO ITTO BUDGET(US\$) \$287.804.00 STARTING YEAR: 1996	TITLE: CONTINUATION OF THE PUBLICATION OF THE JOURNAL "BOSQUES Y DESARROLLO" AND THE ORGANIZATION OF A COMMUNICATION AND INFORMATION SERVICE DESCRIPTION: This project seeks to facilitate communication, information and exchange of experiences, concepts and technologies in the field of forestry, amongst various users in the region. Also, it hopes to disseminate concepts, experiences and appropriate technologies, in order to promote forest activities in consonance with the principles of sustained forest resource management. Lastly, by continuing the publication of the regional journal "Bosques y Desarrollo", the project hopes to consolidate this regional information and communication medium.
PROJECT: PD031/94 Rev.1 (F) SESSION APPROVED XVI SESSION FUNDED XVI STATUS: OPERATIONAL COUNTRY: JAPAN AGENCY: ASEAN INSTITUTE OF FOREST MANAGEMENT (AIFM) ITTO BUDGET(US\$) \$992.017.00 STARTING YEAR: 1996	TITLE: PLANNING PRACTICAL AND COST EFFECTIVE STRATEGIES FOR GENETIC RESOURCE CONSERVATION OF COMMERCIAL TREE SPECIES IN TROPICAL ASIA AND THE PACIFIC DESCRIPTION: The specific objective of this project is to encourage and support, practical and cost-effective plans of participating countries to conserve genetic resources of selected, commercially important tree species, principally in production forests. Information about current activities and suggestions for future actions in the field of forest tree genetic resource conservation is gathered and discussed at a number of expert workshops in the participating countries. The project will develop a technical guidelines for genetic conservation in Asia Pacific region through periodical workshop involving resources persons from selected countries in South-East Asia.
PROJECT: PD049/94 Rev.1 (F) SESSION APPROVED XIX SESSION FUNDED XX STATUS: OPERATIONAL COUNTRY: VENEZUELA AGENCY: SERVICIO FORESTAL VENEZOLANO ITTO BUDGET(US\$) \$265.498.30 STARTING YEAR: 1997	TITLE: ESTABLISHMENT OF AN ONGOING FOREST MONITORING NETWORK (PERMANENT GROWTH PLOTS) IN THE FOREST RESERVES AND WOODLOTS OF THE GUIANA REGION DESCRIPTION: The main purpose of this project is to generate statistically reliable quantitative information on the growth dynamics of species and groups of species in the high tropical forests of the Guiana Region in Venezuela under various silvicultural treatments, and to establish an information system that, together with the ongoing forest monitoring network, will facilitate the gathering of information with which to define and, if necessary, re-orient management strategies in the silvicultural planning of these forests in order to achieve the sustainable management of forest reserves and woodlots.
PROJECT: PD003/95 Rev.2 (F) SESSION APPROVED XVIII SESSION FUNDED XVIII STATUS: OPERATIONAL COUNTRY: GHANA AGENCY: FOREST RESEARCH INSTITUTE OF GHANA (FORIG) ITTO BUDGET(US\$) \$668.891.00 STARTING YEAR: 1995	TITLE: CONSERVATION AND PROVENANCE PLANTINGS AND INTEGRATED PEST MANAGEMENT TO SUSTAIN IROKO PRODUCTION IN WEST AFRICA DESCRIPTION: This proposal outlines phase II activities of ITTO project PD 75/90, and will provide the essential foundations to achieve sustainable forest management through the integration of local community development, wood products industry, and public sector research. This objective will be achieved through an African regional project that will result in: 1) the establishment of provenance and conservation plantings of Iroko; 2) demonstration of mixed native plantations;

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>PROJECT: PD010/95 Rev.2 (F) SESSION APPROVED XIX SESSION FUNDED XXIII STATUS: OPERATIONAL COUNTRY: GABON AGENCY: DIARF ITTO BUDGET(US\$) \$221,712.00 STARTING YEAR: 1998</p>	<p>3) determination of factors influencing regeneration of Iroko in natural forests; 4) continuation of the development of an integrated pest management program for <i>Phytolymna</i> lata including the use of biological control; and 5) a comprehensive technology transfer program.</p> <p>TITLE: EVALUATION OF SILVICULTURAL TRIALS OF INDIGENOUS TIMBER SPECIES FOR DEVELOPING FOREST PLANTATIONS IN GABON</p> <p>DESCRIPTION: The project aims at compiling information on indigenous timber species of recognized use value already tried, assessing their silvicultural performance and proposing new lines of reforestation activities compatible with ecological and economical opportunities conducive to sustained production of industrial timber from plantations. Project's outputs include:</p> <ul style="list-style-type: none"> - Synthesis report on analysis of literature on past forest plantation trials; - Field inventory and assessment of behavior of indigenous timber species in forest plantations; - Preparation of a master plan for development of forest plantations throughout the country; and - Final conclusion of the study.
<p>PROJECT: PD014/95 Rev.2 (F) SESSION APPROVED XIX SESSION FUNDED XIX STATUS: OPERATIONAL COUNTRY: MALAYSIA AGENCY: FOREST DEPARTMENT, SARAWAK ITTO BUDGET(US\$) \$1,998,235.00 STARTING YEAR: 1996</p>	<p>TITLE: MODEL FOREST MANAGEMENT AREA - PHASE II</p> <p>DESCRIPTION: On the basis of a 10-year development plan prepared during phase I for an area of about 160,000 ha of mixed hill forests located in the center of Sarawak, phase II of the project intends to provide the following major outputs as part of the main objective of establishing systems of sustainable forest management which are environmentally acceptable. The main activities will be:</p> <ul style="list-style-type: none"> - Provide and maintain the necessary infrastructure facilities and monitoring networks in the model area established under the Phase I. - Provide training to forest staff and workers in all aspects of planning, execution and control of environmentally acceptable forest operations. - Provide and research and development data in experimental forest management exercises of controlled harvesting, helicopter logging and forest rehabilitation, to improve future management and operations. - Provide demonstrations of viable management options, improved harvesting methods and technologies with less impact on environmental values. <p>The project will developed further the MFMA as demonstration area and will produce technical guidelines for better practice in sustainable forest management.</p>
<p>PROJECT: PD015/95 Rev.3 (F) SESSION APPROVED XXI SESSION FUNDED XXI STATUS: OPERATIONAL COUNTRY: MALAYSIA AGENCY: SARAWAK FOREST DEPARTMENT ITTO BUDGET(US\$) \$1,261,780.00 STARTING YEAR: 1997</p>	<p>TITLE: DEVELOPMENT OF LANJAK-ENTIMAU WILDLIFE SANCTUARY AS A TOTALLY PROTECTED AREA - PHASE II</p> <p>DESCRIPTION: On the basis of a management plan prepared during Phase I, for an area of approximately 168,000 ha of unlogged lowland and hill forests located in the western interior of Sarawak, and contiguous with the Gunung Bentuang and Karimun Nature Reserve in West Kalimantan, Indonesia, the project intends to provide the following outputs as part of the main objective of establishing a Totally Protected Area, for the purpose of conservation of biological diversity and research into ecological processes relevant to sustainable forest management:</p> <ol style="list-style-type: none"> 1. Provide and maintain the necessary infrastructure facilities, monitoring and research networks in the Sanctuary set aside under the Phase I; 2. Provide and update the necessary guidelines for long-term management; 3. Monitor and conserve biological diversity in the Sanctuary through protection, research, education and community consultation programs; 4. Provide technical and scientific training for local communities, Forest Department staff, students in forest ecology, animal and plant taxonomy, ethnobiology and other biodiversity-related fields; and 5. Provide and management model applicable to Gunung Bentuang and Karimun Nature Reserve at the Indonesian side.
<p>PROJECT: PD016/95 Rev.2 (F) SESSION APPROVED XVIII SESSION FUNDED XVIII STATUS: OPERATIONAL COUNTRY: INDONESIA AGENCY: SEAMEO-BIOTROP ITTO BUDGET(US\$) \$456,989.00 STARTING YEAR: 1995</p>	<p>TITLE: FOREST HEALTH MONITORING TO MONITOR THE SUSTAINABILITY OF INDONESIAN TROPICAL RAIN FORESTS</p> <p>DESCRIPTION: This project focuses on the evaluation of forest ecosystems, and more specifically, indicators related to changes, trends, casual agents and mechanisms of forest health.</p> <p>Activities include the establishment of forest health monitoring plots within the existing Indonesian forest inventory plots to monitor parameters relevant to forest sustainability and biodiversity. Invited scientists will evaluate indicators pertaining to forest mensuration (growth, regeneration, mortality, stand structure), crowns (structure, defoliation, leaf area index), and damage (insects, disease, abiotic, and logging) aspects. A methodology will be developed to</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

link remote sensing techniques to ground based monitoring plots and an ecological classification system. It would lead to a study of the relationship between the condition of a forest ecosystem, a trend of biodiversity indicators, and human activities.

Various reports on the establishment of monitoring plots on assesment through diverse remote sensing techniques and an early warning of changes in canopy will be produced by the project. In addition, training on the establishment of forest health monitoring plots will also be provided.

PROJECT: PD030/95 Rev.1 (F) II.H
SESSION APPROVED XIX
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: BRAZIL
AGENCY: FUNPAR
ITTO BUDGET(US\$) \$806,020.00
STARTING YEAR: 1998

TITLE: DISSEMINATION AND TRAINING ON ITTO GUIDELINES AND CRITERIA - PHASE II. STAGE II

DESCRIPTION:

The project aims to:

- i) Disseminate the ITTO Guidelines for Sustainable Management of Natural Forests, Guidelines for the Conservation of Biological Diversity in Tropical Production Forests and Criteria for the Measurement of Sustainable Tropical Forest Management and provide training on their application.
- ii) Survey and assess appropriateness of forest management plans and practices, foresters skills and logging operations in six states in the Brazilian Amazon, and collect access information on forest management practices in these states with the view to future development of the ITTO Guidelines at regional and national levels.

"Stage I" successfully completed.

PROJECT: PD031/95 Rev.3 (F)
SESSION APPROVED XXI
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: MALAYSIA
AGENCY: FOREST RESEARCH INSTITUTE OF MALAYSIA (FRIM)
ITTO BUDGET(US\$) \$547,893.15
STARTING YEAR: 1997

TITLE: A MODEL PROJECT FOR COST ANALYSIS TO ACHIEVE SUSTAINABLE FOREST MANAGEMENT

DESCRIPTION:

This project aims to establish a model project for estimating the resources needed and the cost incurred in implementing sustainable forest management practices based on the ITTO's guidelines and criteria and indicators. The cost includes (a) conservation measures taken to minimize damage to residual stands and ecosystems at the forest management unit, (b) forest treatment and maintenance of logged over areas, and (c) sustainable management of non-timber forest products and environmental services. The expected reports will provide realistic planning in implementing sustainable forest management on an operational scale basis.

PROJECT: PD037/95 Rev.2 (F)
SESSION APPROVED XIX
SESSION FUNDED XIX
STATUS: OPERATIONAL
COUNTRY: PANAMA
AGENCY: NATIONAL ENVIRONMENTAL AUTHORITY (ANAM)
ITTO BUDGET(US\$) \$1,042,667.00
STARTING YEAR: 1996

TITLE: MANAGEMENT OF CATIVO FORESTS AND NON-TIMBER PRODUCTS WITH THE PARTICIPATION OF RURAL AND INDIGENOUS COMMUNITIES, DARIEN, PANAMA

DESCRIPTION:

The overall objective of this applied forest research project, is the sustainable management of "cativales", which are forests found in seasonally flooded lowlands, where cativo (*Prioria copaifera*) is the dominant species. Cativo accounts for 95% of the raw material used for plywood production in Panama. Similarly, the project is aimed at the research and management of non-timber forest species, specifically Tagua (*Phytelphas semannii*), used by the local communities for the production of handicrafts. In addition, the project will develop a social forestry extension program addressed to the local communities and other forest product users.

PROJECT: PD041/95 Rev.1 (F)
SESSION APPROVED XIX
SESSION FUNDED XIX
STATUS: OPERATIONAL
COUNTRY: GIANA
AGENCY: THE FORESTRY DEPARTMENT
ITTO BUDGET(US\$) \$333,380.00
STARTING YEAR: 1996

TITLE: PILOTING COLLABORATIVE FOREST MANAGEMENT SYSTEMS FOR OFF-RESERVE AREAS IN SOUTHERN GIANA

DESCRIPTION:

The specific objectives of this project include:

- i) Piloting new systems for the sustainable management of the off-reserve tree and forest resource by farmers, communities, and traditional authorities in collaboration with timber concession holders and professional foresters.
- ii) Preparation of guidelines for developing collaborative forest management systems for off-reserve areas.

PROJECT: PD044/95 Rev.3 (F) I
SESSION APPROVED XXI
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: HONDURAS
AGENCY: AFE-COIDEFOR
ITTO BUDGET(US\$) \$667,404.00
STARTING YEAR: 1999

TITLE: MANAGEMENT AND CONSERVATION OF MANGROVES IN THE GULF OF FONSECA, HONDURAS - PHASE I

DESCRIPTION:

This project has been designed with the aim of reducing the pressure exerted by local communities on mangrove forests through the establishment and protection of fast-growing plantations for energy purposes as an alternative to meet industrial and household requirements, while creating awareness amongst the communities of the importance of conserving this ecosystem. Furthermore, socioeconomic surveys and mangrove species valuation studies will be implemented.

PROJECT: PD001/96 Rev.3 (F)
SESSION APPROVED XXII
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: PANAMA

TITLE: SUSTAINABLE FOREST MANAGEMENT IN THE NARGANA DISTRICT, KUNA YALA INDIGENOUS TERRITORY, PANAMA

DESCRIPTION:

This project proposal is an outcome of PPD 5/93 Rev.1 (F) "Preparation of an Integrated

REFORESTATION AND FOREST MANAGEMENT PROJECTS

AGENCY: KUNA WORKERS ASSOCIATION (AEK-PEMASKY)
ITTO BUDGET(US\$) \$984,772.00
STARTING YEAR: 1998

Management Plan for the District No. 1 of the Kuna Yala Indian Region, aimed at the development of Agroforestry (18,000 ha), Production Forests (22,000 ha) and Watershed Protection (60,000 ha)" and is oriented towards the conservation and sustainable use of 100,000 ha of tropical forests in District No.1 of the Kuna Yala Indian Territory. Whilst its overall objective is to protect and improve the living standards of the Kuna indigenous communities, it contemplates accomplishing this through the participatory management of their forest lands. To this effect, the project's activities to be carried out fall under three major components, as follows: i) production forest management; ii) watershed management; and iii) agroforestry.

PROJECT: PD012/96 Rev.2 (F)
SESSION APPROVED XXI
SESSION FUNDED XXI
STATUS: OPERATIONAL
COUNTRY: CONGO
AGENCY: DIRECTION GENERALE DES EAUX ET FORETS
ITTO BUDGET(US\$) \$446,180.00
STARTING YEAR: 1997

TITLE: DEVELOPMENT OF A SUSTAINABLE MANAGEMENT PLAN FOR THE SOUANKE-SEMBE-KELLE AREA CONGO - PHASE II

DESCRIPTION:

The aim of this proposal is to ensure the rational planning of sustainable forest resource utilization, whilst taking into account, both their existing potential and the constraints of the economic development of local populations and the Congolese nation at large, as well as the requirements for the conservation and protection of biodiversity and the environment.

The project's objective is to carry out the final stratification of the Souanke-Sembe-Kelle area. A provisional stratification was completed under PPD 1/93 (F). Under a later phase, the project plans to develop a pilot management plan for a block of approximately 200,000 ha situated to the north of the project area, which is bound by the Azembo, Sembe, Batekok, and Ngala localities.

PROJECT: PD013/96 Rev.1 (F)
SESSION APPROVED XX
SESSION FUNDED XX
STATUS: OPERATIONAL
COUNTRY: BRAZIL
AGENCY: AMAZON WORKERS CENTER (CTA)
ITTO BUDGET(US\$) \$824,493.00
STARTING YEAR: 1997

TITLE: MULTIPLE-USE MANAGEMENT IN THE MACAUA NATIONAL FOREST BASED ON RUBBER ESTATES - PHASE I: DEVELOPMENT OF MASTER PLAN TO SUPPORT COMMUNITY ORGANIZATION

DESCRIPTION:

This project seeks to carry out the necessary surveys to develop a multiple-use forest resource management model for the Macaia National Forest with the participation of the local communities as to ensure an increase in their family incomes and to avoid their further migration to urban centers, while guaranteeing the sustainable management of natural resources and the protection of the environment.

PROJECT: PD016/96 Rev.4 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: INDONESIA
AGENCY: FACULTY OF FORESTRY, GADJAH MADA UNIVERSITY YOGYAKARTA
ITTO BUDGET(US\$) \$600,000.00
STARTING YEAR: 1998

TITLE: EX SITU CONSERVATION OF SHOREA LEPROSULA AND LOPHOPETALUM MULTINERVIUM AND THEIR USE IN FUTURE BREEDING AND BIOTECHNOLOGY

DESCRIPTION:

The Project will focus on determining appropriate methods of conserving two selected indigenous tropical rain forest tree species to provide a reservoir of genetic materials for future breeding and biotechnology efforts in improving those species.

The specific objectives of the project are: to create effective programs of education and technology transfer that may be used to train appropriate personnel for ex situ conservation of tropical forest trees, and to establish conservation methodologies of the two selected species and to develop these as model for general ex situ conservation techniques. The output of this project could also be used to influence the policy on ex situ conservation and to develop action plan based on a sound scientific basis.

PROJECT: PD026/96 Rev.4 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: MALAYSIA
AGENCY: SARAWAK FOREST DEPARTMENT
ITTO BUDGET(US\$) \$632,149.00
STARTING YEAR: 1998

TITLE: STUDIES ON THE MANAGEMENT STANDARDS OF HILL DIPTEROCARP FORESTS IN SARAWAK FROM A WATERSHED MANAGEMENT POINT OF VIEW - PHASE II

DESCRIPTION:

This project is a follow up to Project PD 104/90 Rev.2 (F) which started in September 1993. The project's Phase I was to examine the negative impacts of conventional logging operations and their effects on the forest environment and watershed, by comparing unlogged forest areas with those logged-over. Under the conventional system of forest road construction most of road cut materials are disposed of into valleys i.e. down the mountain slopes. The study found that this unconsolidated material which was easily eroded by surface runoff during high intensity rainfall was the main cause of turbidity and sediment loads. The Draft Technical Guidelines for Forest Road Construction for Sound Watershed Management was developed under Phase I on the basis of the findings of the study.

The Phase II project is intended to: (1) to apply the Draft Technical Guideline into practice at the project site; (2) to assess and evaluate the impacts of improved system of forest operation on the watershed by comparing the impacts with the conventional system; and (3) to disseminate project findings through a training seminar on the improved operation system for timber companies in Sarawak as well as personnel of the Sarawak Forest Department.

PROJECT: PD027/96 Rev.1 (F)
SESSION APPROVED XX
SESSION FUNDED XXII
STATUS: OPERATIONAL

TITLE: FORESTRY AND GENETIC IMPROVEMENT OF THE OKOUME (AUCOUEA KLAINEANA, PIERRE) - PHASE II

DESCRIPTION:

The project will develop techniques for the renewal of the forests of Okoume and provide

REFORESTATION AND FOREST MANAGEMENT PROJECTS

COUNTRY: GABON
 AGENCY: DIARF
 ITTO BUDGET(US\$) \$301.100.00
 STARTING YEAR: 1997

improved plant material adapted to the country's principal areas of timber production.

PROJECT: PD028/96 Rev.1 (F)
 SESSION APPROVED XX
 SESSION FUNDED XX
 STATUS: OPERATIONAL
 COUNTRY: GABON
 AGENCY: DIARF
 ITTO BUDGET(US\$) \$946.983.00
 STARTING YEAR: 1996

TITLE: INVENTORY AND PREPARATIONS FOR THE MANAGEMENT OF THE MINKEBE-FOREST AREA OF GABON

DESCRIPTION:

The project seeks to prepare forest and wildlife reserve management plans covering approximately 1.300.000 ha of the forest area of Minkebe; and carrying out an inventory of 800.000 ha; gazettement of 500.000 ha as a natural reserve; and pilot management of 90.000 ha. 30.000 ha of which are on village lands.

PROJECT: PD030/96 Rev.3 (F)
 SESSION APPROVED XXII
 SESSION FUNDED XXIII
 STATUS: OPERATIONAL
 COUNTRY: TOGO
 AGENCY: ODEF
 ITTO BUDGET(US\$) \$684.549.00
 STARTING YEAR: 1998

TITLE: PROJECT FOR A 2.500 HA TIMBER PRODUCTION PLANTATION IN THE RESERVED FOREST OF HAHIO-BALOE (PLATEAUX REGION - TOGO) - Phase I

DESCRIPTION:

The project aims at bringing the Haho-Baloe reserved forest (4.000 ha) under sustainable and integrated management for the purpose of optimal production of timber with the motivated cooperation of the population living in the project area. The project will be implemented in three phases.

The first phase, which concerns the present proposal, is intended to:

- establish 500 ha of new plantation for the production of industrial timber;
- regenerate 100 ha of old teak forests;
- prepare documents on participatory forest management for 940 ha of natural forest and the security of land tenure for the peoples living in the 660 ha enclaves allocated to agriculture.

The second phase will provide for, in particular, 600 ha of new plantations and the regeneration of 150 ha of old teak forests, and the third phase will provide for 700 ha of new plantations and the regeneration of 100 ha of old teak plantations.

PROJECT: PD035/96 Rev.2 (F)
 SESSION APPROVED XX
 SESSION FUNDED XX
 STATUS: OPERATIONAL
 COUNTRY: PHILIPPINES
 AGENCY: SUSTAINABLE ECOSYSTEMS INTL. CORP (SUSTEC)
 ITTO BUDGET(US\$) \$1.481.001.00
 STARTING YEAR: 1996

TITLE: CONSERVATION AND MAINTENANCE OF BIOLOGICAL DIVERSITY IN TROPICAL FORESTS MANAGED PRIMARILY FOR TIMBER PRODUCTION. SURIGAO DEL SUR. PHILIPPINES

DESCRIPTION:

The aim of this project is to assess, in relation to ITTO's guidelines, the capability and effectiveness of a modified model of a medium-term sustainable forest management plan that integrates biodiversity conservation with timber production in natural forests, over a five year period. This will demonstrate that through sustainable forest management practices advocated by ITTO, timber production can be consistent with the conservation and maintenance of biological diversity in tropical production forests. A long-term monitoring and appraisal system and supporting guidelines for sustainable forest management in production ecosystem units and for land-allocation of tropical forests will be formulated. The outputs will contribute to the necessary amendment of government's policies with regard to biodiversity conservation.

PROJECT: PD042/96 Rev.1 (F)
 SESSION APPROVED XXI
 SESSION FUNDED XXI
 STATUS: OPERATIONAL
 COUNTRY: PERU
 AGENCY: MINISTRY OF AGRICULTURE/INRENA
 ITTO BUDGET(US\$) \$223.660.00
 STARTING YEAR: 1997

TITLE: SUPPORT FOR THE DEVELOPMENT OF A FORESTRY AND WILDLIFE LAW, PERU

DESCRIPTION:

This project proposes to hire a team of consultants specialized in forest development and biodiversity conservation, for a period of up to seven months, in order to provide support to the Ministry of Agriculture in the development of a draft law, which will include the new macroeconomic policy elements that are being implemented by the Government of Peru and will establish the legal basis for a sustainable forest development policy in consonance with the development needs of the country.

PROJECT: PD004/97 Rev.3 (F) I
 SESSION APPROVED XXIV
 SESSION FUNDED XXIV
 STATUS: OPERATIONAL
 COUNTRY: EGYPT
 AGENCY: UNDERSEC FOR AFFORESTATION. MIN OF AGRI & LAND RECLAMAT
 ITTO BUDGET(US\$) \$246.749.00
 STARTING YEAR: 1998

TITLE: DEVELOPMENT AND PROMOTION OF AFFORESTATION ACTIVITIES IN EGYPT - PHASE I

DESCRIPTION:

The aim of this project is the sustained production of timber through afforestation activities involving local community participation. An essential component of the project will be the irrigation of planted trees with treated waste water. Outputs of the project include the formulation of policy, afforestation guidelines and action plan.

PROJECT: PD004/97 Rev.3 (F) II
 SESSION APPROVED XXIV

TITLE: DEVELOPMENT AND PROMOTION OF AFFORESTATION ACTIVITIES IN EGYPT - PHASE II

REFORESTATION AND FOREST MANAGEMENT PROJECTS

SESSION FUNDED: XXV
 STATUS: OPERATIONAL
 COUNTRY: EGYPT
 AGENCY: UNDERSEC FOR AFFORESTATION, MIN
 OF AGRI & LAND RECLAMAT
 ITTO BUDGET(US\$) \$391,873.00
 STARTING YEAR: 1999

DESCRIPTION:

The aim of this project is the sustained production of timber through afforestation activities involving local community participation. An essential component of the project will be the irrigation of planted trees with treated waste water. Outputs of the project include the formulation of policy, afforestation guidelines and action plan.

PROJECT: PD008/97 Rev.2 (F)
 SESSION APPROVED XXII
 SESSION FUNDED XXII
 STATUS: OPERATIONAL
 COUNTRY: COLOMBIA
 AGENCY: MINISTRY OF ENVIRONMENT through
 ACOFORE
 ITTO BUDGET(US\$) \$806,214.00
 STARTING YEAR: 1998

TITLE: IMPLEMENTATION AND EVALUATION OF CRITERIA AND INDICATORS FOR SUSTAINABLE NATURAL FOREST MANAGEMENT

DESCRIPTION:

This project proposal originates from the conclusions and recommendations arrived at from the implementation of pre-project PPD 11/93 "Evaluation of Current Forest Harvesting Licensing, Concession and Control Systems within a Framework of Sustainable Forest Resource Management". The aforementioned pre-project developed a set of criteria and indicators for the sustainable management of the natural forests of Colombia and this project's overall objective is to test these at the field level and further refine them in such a way that their application become viable throughout Colombia.

PROJECT: PD009/97 Rev.1 (F)
 SESSION APPROVED XXII
 SESSION FUNDED XXII
 STATUS: OPERATIONAL
 COUNTRY: FIJI
 AGENCY: FORESTRY DEPARTMENT
 ITTO BUDGET(US\$) \$418,835.00
 STARTING YEAR: 1999

TITLE: LANDOWNER EDUCATION AND TRAINING FOR SUSTAINABLE FOREST MANAGEMENT

DESCRIPTION:

The project intends to accelerate economic and social development in and throughout Fiji on a fully sustainable basis and with a more equitable distribution of the benefits.

The specific objectives are: to educate the forest owning mataqali and Native Land Trust Board Estate managers in the financial, the communal and national advantages of managing their forests to full sustainable standards and to train landowners and contractors in the skills and requirements of logging to those standards.

PROJECT: PD010/97 Rev.1 (F)
 SESSION APPROVED XXII
 SESSION FUNDED XXII
 STATUS: OPERATIONAL
 COUNTRY: GUYANA
 AGENCY: IWOKRAMA INTL. CNTR. FOR RAIN
 FOREST CONSERV. AND DEV.
 ITTO BUDGET(US\$) \$780,626.00
 STARTING YEAR: 1999

TITLE: A SUSTAINABLE MANAGEMENT MODEL IN THE IWOKRAMA RAIN FOREST

DESCRIPTION:

The parliament of Guyana has recently passed legislation to create the Iwokrama International Centre for Rain Forest Conservation and Development as an autonomous institution and has set aside 360,000 ha of pristine forest to be managed by Iwokrama. The Iwokrama Act requires that half of this area be set aside as a wilderness preserve. The Objective for the Project proposal is to design, plan and initiate the commercial management of the other half of the Iwokrama Forest for multiple products and services, and integrate research, training and demonstrations into these operations, in order to improve the practices in Guyana and elsewhere. The project will help Iwokrama produce a state-of-the-art forest management plan for multiple products and services, and feasibility studies for management and harvest based on this plan. It will assist in finding an appropriate business partner and negotiating contracts that will assure the adherence of principles of sustainable forest management. Demonstration, research and training in improved practices will be integrated into these model commercial operations.

PROJECT: PD012/97 Rev.1 (F)
 SESSION APPROVED XXII
 SESSION FUNDED XXII
 STATUS: OPERATIONAL
 COUNTRY: INDONESIA
 AGENCY: CENTER FOR INTERNATIONAL
 FORESTRY RESEARCH (CIFOR)
 ITTO BUDGET(US\$) \$965,650.00
 STARTING YEAR: 1997

TITLE: FOREST, SCIENCE AND SUSTAINABILITY: THE BULUNGAN MODEL FOREST

DESCRIPTION:

The objective of the project is to carry out an assessment of: the effect of Reduced-Impact Logging on biodiversity, conservation, ecology and socio-economics; and rural development trends and future policy options including the effects of macro-level development activities on people dependent on the forest. The activities will focus on formulation of reduced impact logging guidelines and pre-harvesting plan according to the bio-physical features of the area including topography, stand volume and tree distribution.

The research and development activities will be used to improved forest management systems and achieve sustainability. The project is to be implemented in Bulungan, East Kalimantan for a 3-year period which is proposed as a first-phase. The CIFOR and Government of Indonesia will maintain the project sites for a period of 10-20 years as research forest for demonstration purpose.

PROJECT: PD013/97 Rev.1 (F)
 SESSION APPROVED XXII
 SESSION FUNDED XXII
 STATUS: OPERATIONAL
 COUNTRY: JAPAN
 AGENCY: JOFCA
 ITTO BUDGET(US\$) \$596,075.00
 STARTING YEAR: 1997

TITLE: DISSEMINATION OF NEW REMOTE SENSING METHODOLOGY THROUGH A SEMI-EXPERT SYSTEM

DESCRIPTION:

A new Remote Sensing (RS) methodology for assessment of forest status utilizing a computerized Forest Canopy Density (FCD) mapping model was developed by JOFCA under the ITTO project PD 32/93 Rev.2 (F) entitled 'Rehabilitation of Logged-over Forests in Asia/Pacific Region, Sub-project III'. The new RS methodology is widely applicable in evergreen and deciduous forest types and this will help assess forest conditions rapidly, at

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relatively low cost and at a high degree of accuracy.

Dissemination of the new RS method and transfer of the technology to a wider area, will contribute to sustainable forest management. The project intends to: develop a semi-expert system which will facilitate utilization of the FCD mapping model by planners, foresters and decision makers, and to train key persons in use of the semi-expert system and the operating principles of the FCD mapping model.

PROJECT: PD014/97 Rev.1 (F) I
SESSION APPROVED XXII
SESSION FUNDED XXII
STATUS: OPERATIONAL
COUNTRY: JAPAN
AGENCY: INTERNATIONAL SOCIETY FOR
MANGROVE ECOSYSTEMS (ISME)
ITTO BUDGET(US\$) \$883.448.00
STARTING YEAR: 1997

TITLE: GLOBAL MANGROVE DATABASE AND INFORMATION SYSTEM
(GLOMIS) - PHASE I

DESCRIPTION:

The proposal aims to establish a database of all published and unpublished available data on the distribution and productivity of mangroves species and to implement a GIS-based Global Mangrove Database and Information System so called GLOMIS. Thus, it will provide planners, policy and decision makers and coastal zone managers with tools to evaluate management options for sustainable utilization of mangroves for timber, fisheries and other users.

The activities proposed include standardization of database format, establishment of center and sub-centers in Brazil, Ghana, Fiji, India and Japan and its network: collection of data on mangroves and operationalization of GIS and publication of GLOMIS Newsletter. The expected system will be governed and supervised by a board consist of scientists and experts on mangroves from various institutions.

PROJECT: PD017/97 Rev.3 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: ECUADOR
AGENCY: CORMADERA
ITTO BUDGET(US\$) \$826.076.00
STARTING YEAR: 1999

TITLE: PILOT PROJECT FOR THE REFORESTATION AND REHABILITATION OF
DEGRADED FOREST LANDS IN ECUADOR

DESCRIPTION:

This Project seeks to define the economic, financial and environmental feasibility of forest plantations and potential funding and incentive mechanisms to develop a Pilot Reforestation Plan for degraded forest lands using selected species. The project is also aimed at strengthening the technical capacity of national human resources in this field through the establishment of a services and training unit and a national forest nursery network.

PROJECT: PD021/97 Rev.2 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: PHILIPPINES
AGENCY: DENR
ITTO BUDGET(US\$) \$913.285.00
STARTING YEAR: 1998

TITLE: DEVELOPING TROPICAL FOREST RESOURCES THROUGH COMMUNITY-
BASED FOREST MANAGEMENT, NUEVA VIZCAYA, PHILIPPINES

DESCRIPTION:

The project will establish forest plantation and manage regenerating and mature natural forest using research - validated methods; and to manage forest resources through the community-based forest management strategy. In this purpose, the main activities will include bi-annual remeasurement and analysis of growth parameters of experimental plantations established under project PD 130/91 (F), expand the existing nurseries, preparation of a management plan for regenerating forests and mature dipterocarp forests and integrated these into a community-based forest management framework recognized by the Government of the Philippines.

At the end of the project, it would have a 7-year comprehensive growth performance data from the experimental plantation and would have gained recognition as a center for transfer of appropriate forestry technology and as a demonstration area for community-based forest management.

PROJECT: PD024/97 Rev.1 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: BOLIVIA
AGENCY: PANDO PREFECTURE
ITTO BUDGET(US\$) \$899.177.00
STARTING YEAR: 1999

TITLE: PROJECT FOR SUSTAINABLE FOREST MANAGEMENT IN PANDO
(BOLIVIA)

DESCRIPTION:

This proposal arises from the urgent need to bring the tropical forests of Pando under sustainable management, in order to ensure long-term timber production and to protect this ecologically and socio-politically fragile area of Bolivia.

While the project has been structured in two phases, this proposal only contemplates the first 2-year phase. This first phase intends to reduce the degradation of the natural resources of Pando, through sustainable forest management, with the aim of obtaining a sustainable timber supply for the export market and at the same time protecting important biodiversity resources.

Major outputs, among others, include the establishment of a legal, technical, institutional, social and economic framework for the sustainable forest management in the Department of Pando, and the development of forest management activities at the commercial level.

PROJECT: PD045/97 Rev.1 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: BRAZIL
AGENCY: TROPICAL FOREST FOUNDATION
ITTO BUDGET(US\$) \$875.281.00

TITLE: ON-SITE TRAINING FOR TROPICAL FORESTERS AND FORESTRY
TRAINERS

DESCRIPTION:

The overall objective of this Project is to contribute to better forest resource management in the Amazon and Caribbean regions through improvements in the sustainable management and utilization of natural tropical forests. The Project aims at promoting the adoption of forest

REFORESTATION AND FOREST MANAGEMENT PROJECTS

STARTING YEAR: 1998

management and reduced-impact harvesting practices in Latin America and the Caribbean with a view toward sustainably managing the forests in this region, particularly in ITTO member countries.

The present two-year project aims to hands-on train selected potential trainers from Latin American and Caribbean ITTO member countries in on-site reduced-impact harvesting and pre- and post-harvesting silvicultural prescription (FM-RIL) practices, who in turn will disseminate the knowledge gained to forest managers and loggers in their respective countries.

PROJECT: PD057/97 Rev.1 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXIII
STATUS: OPERATIONAL
COUNTRY: CHINA
AGENCY: FORESTRY BUREAU OF HAINAN PROVINCE
ITTO BUDGET(US\$) \$304,712.00
STARTING YEAR: 1998

TITLE: ESTABLISHMENT OF SATELLITE REMOTE SENSING MONITORING AND GEOGRAPHIC INFORMATION SYSTEM FOR TROPICAL NATURAL FORESTS IN HAINAN PROVINCE

DESCRIPTION:

The project attempts to contribute to the conservation and management of the tropical natural forest resources in Hainan Province and to realize a sustainable utilization of them. The Specific Objectives are: to draw up a map of distribution of the tropical natural forest resources in the scale of 1:200,000 and to establish a GIS for tropical natural forest.

It is the aim to introduce remote sensing as an integrated part of forest resource monitoring for the sustainable management of the remaining areas of natural tropical forest as well as the artificial forest areas and to provide the basis for forest rehabilitation and expansion. If successful, the forest areas of Hainan Province will be the first in China where forest management is based on remote sensing techniques and Geographical Information Systems. Cooperation will be maintained with the project PD 13/97 Rev.1 (F) by JOFCA in Japan.

PROJECT: PD002/98 Rev.2 (F.1)
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: PERU
AGENCY: NATIONAL INSTITUTE FOR NATURAL RESOURCES (INRENA)
ITTO BUDGET(US\$) \$601,900.00
STARTING YEAR: 1999

TITLE: MANAGEMENT AND UTILIZATION OF PACA (*Guadua sarcocarpa*)

DESCRIPTION:

The aim of this project is to change the destructive practices of rural communities in the harvesting of Paca (*Guadua sarcocarpa*), a native species found in both pure stands and forest patches in over 4,000,000 ha of moist tropical forest in the south-eastern region of the country, by developing technologies for the sustainable management and utilization of this species so as to achieve the two-fold objective of generating employment and enhancing the economy, on the one hand, and ensuring the conservation of resources, on the other. To this end, the project will identify a 2,000-ha area of Paca forest near Iñapari, where a management plan will be implemented and two pilot processing plants will be established for the production of canned shoots and rods of paca. The lessons learned in this project will lead to the training of local communities and will help establish the basis for the implementation of forest sub-sector strategies and policies aimed at halting the degradation of resources, ecosystems and biodiversity.

PROJECT: PD004/98 Rev.1 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: GHANA
AGENCY: FORESTRY RESEARCH INSTITUTE OF GHANA (FORIG)
ITTO BUDGET(US\$) \$428,006.00
STARTING YEAR: 1999

TITLE: SILVICULTURE AND ECONOMICS OF IMPROVED NATURAL FOREST MANAGEMENT IN GHANA

DESCRIPTION:

This project aims to increase sustainable timber production in Forest Reserves by developing improvements to the Selection System of natural forest management as practice in Ghana. The project will examine ways in which problems associated with increased harvesting may be minimised by testing the effects of revised logging practices, post-logging amelioration practices and biodiversity protection measures on the regenerative health of the forest and its rate of recovery. The project will also undertake studies on total valuation and cost of harvesting and extraction of all utilisable forest products from a unit area of land in order to determine the cost efficiency of harvesting operations.

PROJECT: PD009/98 Rev.2 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: GABON
AGENCY: DIARF
ITTO BUDGET(US\$) \$485,256.00
STARTING YEAR: 1998

TITLE: Publication, Testing and Clarification of ITTO's Criteria and Indicators for the Sustainable Management of Gabon's Forests

DESCRIPTION:

The project is aimed at making the concept of sustainable management operational in Gabon, by training the personnel involved in the management, utilization and conservation of forest resources in the use of ITTO's criteria and indicators, testing their applicability to the conditions in the country, and producing a national Manual of criteria based on the results of this testing. Gabon will then have information on the progress still to be made to reach ITTO's Year 2000 Objective.

PROJECT: PD017/98 Rev.3 (F) I
SESSION APPROVED XXIV
SESSION FUNDED XXIV
STATUS: OPERATIONAL
COUNTRY: GABON
AGENCY: DIARF
ITTO BUDGET(US\$) \$635,651.00
STARTING YEAR: 1998

TITLE: FOREST INVENTORY AND PRODUCTION OF MANAGEMENT PLANS FOR AREAS OF RESERVED PRODUCTION FORESTS IN THE FIRST ZONE OF GABON (PHASE I)

DESCRIPTION:

The project aims to carry out forest inventories covering 450 000 ha, of production forests, divided into 4 areas, and to produce forest management plans. This project follows the ITTO-financed project entitled 'Stratification, mapping and multi-resource inventory for the management of Gabon's first forest zone' (PD 8/95 Rev.1 (F)). That project made it possible to draw up a proposal for a management plan for these areas taking into account the prerogatives of the various land users. The areas that must be inventoried and managed as a priority have been identified. These are the areas which are the object of this proposal.

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<p>PROJECT: PD017/98 Rev.3 (F) II SESSION APPROVED XXIV SESSION FUNDED XXV STATUS: OPERATIONAL COUNTRY: GABON AGENCY: DIARF ITTO BUDGET(US\$) \$339,401.00 STARTING YEAR: 1999</p>	<p>TITLE: FOREST INVENTORY AND PRODUCTION OF MANAGEMENT PLANS FOR AREAS OF RESERVED PRODUCTION FORESTS IN THE FIRST ZONE OF GABON (PHASE II)</p> <p>DESCRIPTION: The project aims to carry out forest inventories covering 450,000 ha of production forests, divided into 4 areas, and to produce forest management plans. This project follows the ITTO-financed project entitled "<i>Stratification, mapping and multi-resource inventory for the management of Gabon's first forest zone</i>" (PD 8/95 Rev.1 (F)). That project made it possible to draw up a proposal for a management plan for these areas taking into account the prerogatives of the various land users. The areas that must be inventoried and managed as a priority have been identified. These are the areas which are the object of this proposal.</p>
<p>PROJECT: PD022/98 Rev.1 (F) SESSION APPROVED XXIV SESSION FUNDED XXIV STATUS: OPERATIONAL COUNTRY: COTE D'IVOIRE AGENCY: SODEFOR ITTO BUDGET(US\$) \$387,238.00 STARTING YEAR: 1998</p>	<p>TITLE: DEVELOPMENT OF TEAK CLONING AND ESTABLISHMENT OF INDUSTRIAL PLANTATIONS</p> <p>DESCRIPTION: The aim of this project is to provide SODEFOR with the capacity to produce teak plants based on a cloning selection programme with a view to the intensification of teak reforestation. This project is the first phase of a project, which comprises two phases of three years each. In order to complete this project, two main operations will be conducted:</p> <ul style="list-style-type: none"> - The development of teak industrial cloning and the introduction of a first phase of cloning tests; - The configuration of the programme and the introduction of a second phase of cloning tests. <p>These two activities should eventually enable the supply of good quality teak on the local and international market.</p>
<p>PROJECT: PD024/98 Rev.2 (F) SESSION APPROVED XXV SESSION FUNDED XXV STATUS: OPERATIONAL COUNTRY: COTE D'IVOIRE AGENCY: SODEFOR ITTO BUDGET(US\$) \$177,610.00 STARTING YEAR: 1999</p>	<p>TITLE: INTENSIFICATION OF TEAK FORESTRY</p> <p>DESCRIPTION: Two important problems are currently urging SODEFOR to seek to intensify teak forest regeneration: the teak market trend and a serious deforestation rate of approximately 150,000 hectares per annum. Until recently, 1990-1994, the price of teak timber from thinning did not reach more than an average of 6.5 thousand FCFA per m3. Prices have now risen to such an extent that even small-size lumber is absorbed by the market. Furthermore, properties tests have shown that teak logging cycles can be reduced without undermining timber quality. SODEFOR is proposing this programme with a view to introducing an option between the production of teak at 40 years with a diameter of approximately 45cm or at 20 years with a diameter of 30cm.</p>
<p>PROJECT: PD031/98 Rev.1 (F) SESSION APPROVED XXIV SESSION FUNDED XXVI STATUS: OPERATIONAL COUNTRY: ECUADOR AGENCY: AIMA ITTO BUDGET(US\$) \$105,500.00 STARTING YEAR:</p>	<p>TITLE: FIRST CONFERENCE OF ANDEAN FORESTRY CHAMBERS FOR THE SUSTAINABLE MANAGEMENT OF NATURAL TROPICAL FORESTS IN THE REGION</p> <p>DESCRIPTION: To study the recently revised "Criteria and Indicators for the Sustainable Management of Natural Tropical Forests", analyse their performance and promote their application amongst timber industrialists, government forest agencies and NGO's from the Andean Community.</p> <p>To exchange experiences on sustainable management of tropical forests at the Andean or regional level (case studies) in order to facilitate the transfer of silvicultural and industrial knowledge within the framework of the recently revised "Criteria and Indicators", and discuss the use of other mechanisms, such as Forest Certification, in support of SFM. Workshops will be organised prior to the Conference so as to discuss SFM case studies at the regional level with a view to developing a sound information basis on the implementation of SFM practices in the field.</p>
<p>PROJECT: PD032/98 Rev.1 (F) SESSION APPROVED XXIV SESSION FUNDED XXIV STATUS: OPERATIONAL COUNTRY: GHANA AGENCY: FORESTRY RESEARCH INSTITUTE OF GHANA (FORIG) ITTO BUDGET(US\$) \$366,513.00 STARTING YEAR: 1998</p>	<p>TITLE: FOREST FIRE MANAGEMENT IN GHANA</p> <p>DESCRIPTION: Fire is at present the most important cause of deforestation and forest degradation in Ghana. The annual loss of revenue from merchantable timber to fire is currently estimated at \$24 million. Wildfires in the country have been estimated to cause an annual loss of 3% of GDP during the past 15 years through destruction of forests, agricultural lands and property. The Ministry of Lands and Forestry of the Government of Ghana has therefore initiated a broad programme aimed at the prevention and control of forest fires. This project is aimed at collecting baseline information for use by policy makers and forest managers. A major project output is the development of effective collaborative forest fire management approaches.</p>
<p>PROJECT: PD048/98 Rev.1 (F) SESSION APPROVED XXV SESSION FUNDED XXV STATUS: OPERATIONAL COUNTRY: GHANA AGENCY: AFRICAN ENVIRONMENTAL</p>	<p>TITLE: REFORESTATION OF THE ABUTIA PLAINS BY INDIGENOUS COMMUNITIES IN THE VOLTA BASIN</p> <p>DESCRIPTION: The African Environmental Regeneration Movement, a local NGO, involved in afforestation and environmental programmes intends to carry out reforestation of 1,360 ha of the Abutia</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

REGENERATION MOVEMENT
ITTO BUDGET(US\$) \$576,188.00
STARTING YEAR: 1999

Plains. This land has been devastated through overcropping by the defunct State Farms Corporation in the early sixties up to the seventies. This has led to a situation where the inhabitants have become poorer owing to the loss of soil fertility.

The project aims at supporting the communities in a reforestation programme in order to arrest and reverse the deterioration of the tropical forest and also develop the capacity of the inhabitants to protect and manage community forest resources.

PROJECT: PD054/98 Rev.1 (F)
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: OPERATIONAL
COUNTRY: PANAMA
AGENCY: NATIONAL ENVIRONMENTAL
AUTHORITY (ANAM)
ITTO BUDGET(US\$) \$776,956.00
STARTING YEAR:

TITLE: INSTITUTIONAL STRENGTHENING OF THE GEOGRAPHIC
INFORMATION SYSTEM (GIS) OF THE NATIONAL ENVIRONMENTAL
AUTHORITY (ANAM) FOR THE MONITORING AND EVALUATION OF
PANAMA'S FOREST RESOURCES WITH A VIEW TO THEIR SUSTAINABLE
MANAGEMENT

DESCRIPTION:

The aim of this project is to strengthen the capacity of Panama's forest sector for the monitoring and evaluation of the country's forest resources. The strategy proposed in the project to achieve this objective involves: 1) establishing a GIS in a national computer network linking ANAM's central office with its 12 regional offices; 2) training staff in the use of GIS and remote sensors as tools for the monitoring and evaluation of forest resources, and training of ANAM officers at the central and regional levels to make use of this information in the planning and sustainable management of forest resources in Panama; 3) establishing a digital mapping and data base on the basis of a preliminary evaluation of resources and drawing on the information available on natural forests and plantations; and 4) establishing a methodology for the monitoring, updating and evaluation of forest resources.

PROJECT: PD002/99 Rev.2 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: THAILAND
AGENCY: ROYAL FOREST DEPARTMENT
ITTO BUDGET(US\$) \$681,034.00
STARTING YEAR: 2000

TITLE: PREPARATORY STUDIES TO INSTALL A CONTINUOUS MONITORING
SYSTEM FOR THE SUSTAINABLE MANAGEMENT OF THAILAND'S
FOREST RESOURCES

DESCRIPTION:

The Kingdom of Thailand attaches great importance to forests that are sustainably managed with due care to the environment while providing economic, cultural, spiritual, and social benefits. To assess the country's progress toward the sustainable management of its forests, Thailand has proposed National Criteria and Indicators (C&I) of sustainable forest management.

Existing resources inventory practices cannot, however, provide timely and accurate information about the extent, state, and sustainability of Thailand's forest resources with the necessary country-wide consistency. Furthermore, the existing information is weak in non-timber values and any assessment of changes and trends. Thailand is seeking technical assistance to install a national continuous forest resources monitoring system. This system would provide change and trend data for the biophysical indicators, and a framework for collecting data on other indicators (e.g., socio-economic indicators) and studying forest vitality (e.g., insect and disease attack).

The objective of this proposed three-year project is to install an effective and efficient continuous forest resources monitoring system for Thailand. Project activities would include: confirmation of monitoring objectives; review of existing inventory and monitoring programs; evaluation of sampling strategies; simulation studies and field pilot project to test proposed designs; recommendations for a monitoring system; and provision of technical support to Thailand staff to install the monitoring system. Project deliverables would include: a statement of monitoring objectives, a proposed monitoring system, and a project implementation plan.

PROJECT: PD007/99 Rev.2 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: PAPUA NEW GUINEA
AGENCY: PAPUA NEW GUINEA FOREST
AUTHORITY
ITTO BUDGET(US\$) \$327,000.00
STARTING YEAR:

TITLE: EAST NEW BRITAIN BALSA INDUSTRY STRENGTHENING PROJECT -
PHASE II

DESCRIPTION:

The project is a direct continuation of the project named ITTO-ENB Balsa Industry Strengthening Project - Phase I (PD 4/94 Rev.3 (F)), which is conducted in the Gazelle Peninsular of the East New Britain Province. It will continue to provide assistance to the province and may also be extended into the New Ireland Province, as required. The Project area is currently facing a shortage of resources due to lack of extension activities between 1992 and 1996 further exacerbated by the volcanic eruption in Rabaul in September 1994, as well as severe drought in 1997 caused by the El Nino Effect. Furthermore, the expansion of the industry from one to three mills since 1996 has also increased the demand for Balsa wood significantly. Supplies will mainly depend on resources established by the landowner farmers. Estimated future planting establishment is expected to escalate from 100 to 200 hectares per annum. Industry and infrastructure still remains under-resourced and Balsa management requires further strong improvement. Serious losses to breeding stock calls for additional inputs into seed tree selection, seed production and genetic resource conservation.

The objectives of the project are to continue the work of Phase I in order to improve the institutional and organisational effectiveness of the expanding industry, and to improve local farmers' incomes through balsa plantations. Objectives also include continued genetic improvement of stock, seed tree selection, conservation and seed orchard establishment and development to ensure self long-term sufficiency in improved seed supplies to the province and

REFORESTATION AND FOREST MANAGEMENT PROJECTS

the Nation.

Project outputs of Phase II will be increased farmer extension and training, continued industry staff training, development of an organizational structure for the co-ordination of industry activities, tree improvement and seed orchard establishment and development.

PROJECT: PD018/99 Rev.1 (M.F.I)
SESSION APPROVED XXVI
SESSION FUNDED XXVII
STATUS: OPERATIONAL
COUNTRY: PERU
AGENCY: PERUVIAN SOCIETY OF ENGINEERS (CIP)
ITTO BUDGET(US\$) \$220.495.00
STARTING YEAR: 1999

TITLE: LATIN AMERICAN FORESTRY CONGRESS

DESCRIPTION:

1. Promote the establishment of a forum and permanent agenda for analysis and discussion among the various institutions and professionals involved in forest development in Latin America.
2. Assess the current status of sustainable forest resource management and define the future role of the various stakeholders participating in socio-economic development plans and programs at the regional and national levels.
3. Assess the impact and participation of Latin American countries in relation to international commitments and conventions linked to forest resource management in the moist tropics.
4. Define the role of forest engineers in facing the challenges of the third millennium and their responsibility in the sustainable development process.

PROJECT: PD021/99 Rev.1 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: PHILIPPINES
AGENCY: FOREST MANAGEMENT BUREAU
ITTO BUDGET(US\$) \$98.203.00
STARTING YEAR:

TITLE: INTERNATIONAL CONFERENCE ON TIMBER PLANTATION DEVELOPMENT

DESCRIPTION:

The natural forests used to be the only source of commercial timber in most tropical timber producing countries. In the past several years however, governments have begun implementing strict conservation policies which have curtailed the harvest levels from this fast depleting resource base. To meet their respective wood requirements and at the same time revegetate denuded areas, most tropical countries have started to embark in tree plantation programs. As in any endeavor, there is a felt need to improve on the various aspects, e.g., technical and implementing policies on the existing tree plantation programs in the Asia Pacific Region in order to ensure success. It is within this context that an International Conference on Timber Plantation Development is hereby proposed. The Conference has the following specific objectives: 1) to disseminate technical information on various timber plantation development technologies; 2) to provide participants with information on possible investment opportunities in plantation development; 3) to provide a venue for different countries, development and funding institutions to facilitate extension of assistance in the development and review of plantation management systems in participating countries, and; 4) to discuss issues and problems in timber plantation development and recommend corresponding policies to address them.

PROJECT: PD023/99 Rev.2 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: CAMEROON
AGENCY: ONADEF-OFFICE NATIONAL DE DEVELOPPEMENT DES FORETS
ITTO BUDGET(US\$) \$172.136.00
STARTING YEAR: 1999

TITLE: TESTING OF ITTO REVISED CRITERIA AND INDICATORS AND DISSEMINATION OF RESULTS APPLYING TO CAMEROON

DESCRIPTION:

As a tropical timber producer country and a Member country of ITTO, Cameroon is committed to the sustainable management of its forest resources in order to achieve the ITTO Year 2000 Objective. The efforts deployed to reach this goal have given rise to political, legislative and institutional reforms and generated the appropriate tools and wherewithals designed to facilitate the sustainable management of natural forests. These include a Zoning Plan for Southern Cameroon (forest zone), National Guidelines for the Sustainable Management of Natural Forests, technical standards and guidelines applying to forest inventory work; and the development of management plans and mapping of forest areas.

These efforts should be evaluated and assessed in order to measure the shift and trends towards the sustainable management of natural forests. The need for such an assessment justifies that Criteria and Indicators be applied to these changes and new developments.

It should be noted therefore that this project will adapt the new ITTO general Criteria and Indicators to the Cameroones context in order to obtain the appropriate tools for assessing sustainability.

PROJECT: PD027/99 Rev.2 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: CAMEROON
AGENCY: ONADEF-OFFICE NATIONAL DE DEVELOPPEMENT DES FORETS
ITTO BUDGET(US\$) \$246.304.00
STARTING YEAR: 1999

TITLE: PILOT PROJECT FOR THE SUSTAINED MANAGEMENT OF THE SO'O LALA FOREST - PHASE II

DESCRIPTION:

This proposal constitutes Phase II of Project PD 131/91 Rev.2 (F) under implementation in the So'o Lala reserve forest 140km of Yaoundé. The forest reserve covers an area of 39,728 ha and is characterized by a rich timber and floral biodiversity which can ensure sustainable long-term yield of prime timber. The total population figure of local and surrounding communities is estimated at 10,000 people. Phase I of this project have produced encouraging outputs as follows: * Forest management: over 70% of pre-logging activities implemented; forest harvesting estimated at 20%; * Agroforestry: over 80% of objectives attained. Phase II of the project will consist in: * finalising the management of the first Forestry Operational Unit; * disseminating the outputs of Phase I; * revising the Management Plan; * finalising the demarcation of the agroforestry strip; * improving timber harvesting operations.

PROJECT:

TITLE: A SCIENTIFIC AND TECHINICAL WORKSHOP FOR S.E. ASIA ON FOREST

REFORESTATION AND FOREST MANAGEMENT PROJECTS

PD028/99 Rev.2 (F)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: THAILAND
AGENCY: THE FOREST RESTORATION RESEARCH
UNIT (FORRU)
ITTO BUDGET(US\$) \$36,514.00
STARTING YEAR: 1999

RESTORATION FOR WILDLIFE CONSERVATION

DESCRIPTION:

The Royal Forest Department of Thailand (RFD) and the Forest Restoration Research Unit (FORRU) of Chiang Mai University are planning a regional workshop in Chiang Mai, in Northern Thailand on 16th-21st January 2000. The aim is to bring together researchers and practitioners in restoration forestry to produce a research agenda that will most effectively progress the rehabilitation of complex forest ecosystems.

The workshop will focus on the scientific and technical aspects of restoration forestry, specifically in the seasonally dry forest ecosystems of South East Asia. The emphasis will be on biodiversity conservation and the restoration of forests in areas where there will be low impact utilisation by local communities. This workshop will bring together speakers from across the region where seasonally dry forests occur (Northern Thailand, South China, Myanmar, Laos, Cambodia, Vietnam), but participants with particular relevant expertise from other countries will also be invited.

This will be a working event, the resulting major output being the production of a co-ordinated research agenda and a protocol for the sharing of information to ensure that future forest restoration activities will be guided by proven best practice. This workshop will be significant in the subjects of forest establishment and management, and in progressing knowledge by bringing together those scientists and practitioners most active in the field. In addition, the results will contribute to institutional strengthening in the region through networking and provision of information on potential funding opportunities.

PROJECT: PD038/99 Rev.1 (F.I)
SESSION APPROVED XXVI
SESSION FUNDED XXVI
STATUS: OPERATIONAL
COUNTRY: PERU
AGENCY: NATIONAL INSTITUTE FOR NATURAL
RESOURCES (INRENA)
ITTO BUDGET(US\$) \$443,100.00
STARTING YEAR: 1999

TITLE: DEMONSTRATION COMMUNITY FOREST MANAGEMENT IN THE NATURAL CLOUD FORESTS OF THE URUMBA BASIN, SAN IGNACIO

DESCRIPTION:

The aim of this project is to increase the standard of living of the rural population in the Urumba Basin through their organization and participation in the sustainable management of renewable natural resources. This proposal will be implemented in the District of Tabaconas, Province of San Ignacio, Department of Cajamarca, in an area located near the Peru-Ecuador border.

The main expected outputs are related to the implementation of a participatory forest management plan, which will involve the application of silvicultural programs, forest extension and training, as well as the harvesting and reforestation of logging areas for demonstration purposes and the processing and marketing of products.

PROJECT: PD016/97 Rev.3 (F)
SESSION APPROVED XXIII
SESSION FUNDED XXIII
STATUS: PENDING AGREEMENT
COUNTRY: THAILAND
AGENCY: THAILAND ENVIRONMENT INSTITUTE
ITTO BUDGET(US\$) \$601,333.00
STARTING YEAR:

TITLE: INTEGRATED BUFFER ZONE DEVELOPMENT FOR SUSTAINABLE MANAGEMENT OF TROPICAL FOREST RESOURCES IN THAILAND

DESCRIPTION:

This project aims to produce a working model for effective buffer zone development, which will be adopted for implementation at other sites in Thailand, and with relevance to other sites in the region. The project will also produce publications detailing the individual areas of project action particularly the research output, which will have important implications for forest managers involved in reforestation, afforestation and natural forest rehabilitation.

The targeted buffer zone is Kaeng Krachan National Park, the largest national park in Thailand. The project envisages six basic fields as a testing of a new approach to buffer zone development. These are: infrastructure development, initiating local community groups, income improvement schemes, research, tree planting, and finally awareness raising through environmental education.

PROJECT: PD030/97 Rev.6 (F)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: GHANA
AGENCY: FORESTRY RESEARCH INSTITUTE OF
GHANA
ITTO BUDGET(US\$) \$329,571.00
STARTING YEAR:

TITLE: REHABILITATING DEGRADED FOREST THROUGH COLLABORATION WITH LOCAL COMMUNITIES

DESCRIPTION:

The aim of this project is to arrest the decline and degradation of tropical forests in Ghana through (i) the determination of underlying causes of degradation and the impact of degradation on lives of the local communities and on the ecosystem; (ii) determination of the process of recovery after degradation; (iii) establishment of demonstration plantations with the active collaboration of local communities; (iv) determination of costs of plantation establishment, maintenance and protection by local communities; (v) and establish guidelines which will serve as a model for community involvement in plantations in all tropical countries. The project will be made in eight communities selected from four forest districts in the moist and dry semi-deciduous forest ecological zones in Ghana.

It is expected that at the end of the project (i) the perceptions of local communities on forest degradation as to the underlying causes and how it affects their own lives will be known; (ii) indigenous species they perceive as suitable for rehabilitating degraded forests and methods of establishing plantations in degraded forests will also be known.

The information on impact of degradation on forest ecosystem and management options for areas recovering from degradation will also be available and 120ha of demonstration

REFORESTATION AND FOREST MANAGEMENT PROJECTS

PROJECT: PD053/97 Rev.2 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: COTE D'IVOIRE
AGENCY: SODEFOR
ITTO BUDGET(US\$) \$282,942.00
STARTING YEAR:

plantations for the rehabilitation of degraded areas using enrichment planting, block planting and taungya would have been established by local communities. At the end of the project, the capacity of the selected local communities would have been built in plantation establishment and training manual on plantation establishment would have been determined. Guidelines for the involvement of local communities in Ghana and other tropical countries in plantation establishment would also be produced.

TITLE: REGIONALISATION OF THE VOLUME TABLES FOR TREES OF NATURAL FORESTS AND PLANTATIONS

DESCRIPTION:

The availability of accurate tree volume tables is an essential tool for sound forest management. The existing volume tables in Côte d'Ivoire have been established from data collected in three specific sites. Yappo-Abbé, Mopri and Téné. The utilization of these tables for the entire forest estate of Côte d'Ivoire has led to significant biased errors in the assessment of forest resources and the determination of tree volumes. The objective of the project is therefore to develop specific volume tables for natural forests and for plantations for each eco-geographical region. The project will focus on four eco-geographic regions: evergreen moist dense forest; semi-deciduous forest; pre-forest areas and mountainous forest. Project activities will mainly include:

- Literature review;
- Data collection through the measurement of felled and standing trees in some specific areas;
- Processing of data and development of volume tables.

PROJECT: PD063/97 Rev.3 (F)
SESSION APPROVED XXV
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: BOLIVIA
AGENCY: UNIVERSIDAD MAYOR "SAN SIMON" THROUGH ETSFOR
ITTO BUDGET(US\$) \$564,556.00
STARTING YEAR:

TITLE: SPECIALIZATION PROGRAM FOR FOREST TECHNICIANS ON SUSTAINABLE TROPICAL FOREST MANAGEMENT IN BOLIVIA

DESCRIPTION:

This project is aimed at the strengthening of ETSFOR with a view to sustainable forest resource management. To this end, the strengthening of forest professionals' skills is proposed for the sustainable management of tropical forests in the country. Thus, the specific objective of the proposal is "to strengthen the technical capabilities of forest technicians in the areas of forest management and utilisation, by increasing the quality of the technical human resources in charge of managing the forests as the main players in the planning and implementation process".

PROJECT: PD003/98 Rev.1 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXVI
STATUS: PENDING AGREEMENT
COUNTRY: MYANMAR
AGENCY: FOREST DEPARTMENT, MYANMAR
ITTO BUDGET(US\$) \$229,315.00
STARTING YEAR:

TITLE: TEAK-BASED MULTISTORIED AGROFORESTRY SYSTEM: AN INTEGRATED APPROACH TOWARDS SUSTAINABLE DEVELOPMENT OF FORESTS

DESCRIPTION:

The proposed project site is Myayabinkyaw Reserve Forest in Bago Yoma, which is renowned as the legendary home of some of the best natural teak stands in Myanmar. The Reserve Forest is degraded due to a number of social and economic reasons. The proposed project will establish teak-based multistoried agroforestry system with the objectives of rehabilitating degraded forests, evaluating the best approach for maximum possible economic returns from planted forests, cash crops and fruit trees, improving soil status and promoting people participation and partnership.

PROJECT: PD014/98 Rev.1 (F)
SESSION APPROVED XXIV
SESSION FUNDED
STATUS: PENDING AGREEMENT
COUNTRY: PERU
AGENCY: INRENA through EDMAR
ITTO BUDGET(US\$) \$959,945.00
STARTING YEAR:

TITLE: SUSTAINABLE USE AND REFORESTATION OF AMAZON FORESTS BY INDIGENOUS COMMUNITIES

DESCRIPTION:

The project seeks to revert the current trend of intense forest logging by seven native communities of the Pichis River Valley in the Peruvian Central Forest Region, which has resulted from a process of cross-cultural influence. The project has been developed at the request of the native communities themselves, who, aware of the threat of deterioration of their forests and impoverishment of their people, requested technical assistance for resource management and reforestation. At a special meeting, these communities and EDMAR defined the project concept and objectives, including a democratic participatory implementation strategy. The implementation of land classification studies according to land use capacity is envisaged during the first year of project implementation. The results of these studies will be compared with current land uses and community expectations so as to develop a land management plan designating agricultural areas, pasture lands, forest production areas and environmental protection areas. This instrument, together with forest inventory surveys, will lead to the establishment of demonstration areas for technical forest management systems based on the resources available and the current resource status. A reforestation program with timber and medicinal species will concurrently be initiated using successful techniques developed by EDMAR and INRENA in the project area.

On the basis of this planning exercise, it is proposed that during the second and third year of project implementation, modern productive systems should be integrated with traditional indigenous practices through demonstration activities, training and technical assistance on sustainable resource use, further processing of timber and medicinal forest products, as well as

REFORESTATION AND FOREST MANAGEMENT PROJECTS

product marketing by small-scale forest companies established through a participatory process to be developed during project implementation.

PROJECT: PD021/98 Rev.1 (F)
SESSION APPROVED XXIV
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: CAMEROON
AGENCY: ONADEF
ITTO BUDGET(US\$) \$647,517.00
STARTING YEAR:

TITLE: FOREST MANAGEMENT, COMMUNITY INVOLVEMENT AND SUSTAINABLE USE OF SI-KOP FOREST AREA (COASTAL PROVINCE, CAMEROON) (PHASE II)

DESCRIPTION:

The main output of the first phase of this project has been a micro-zoning delineating a permanent forest estate comprising both production forests and conservation forests (including a harvesting area for non timber forest products) to be classified as part of the communities estates, and one non-permanent forest estate including areas earmarked for community forestry, farm lands and agroforestry lands, residential areas, road infrastructure, etc. The second phase of this project will consist in three main thrusts of development aiming at the following objectives:

1. In the field of forest development: *"In the portion of Si-Kop forest earmarked for community forestry, forest management and development, forest operation and conservation will ensure sustainable forest use".*
2. In the field of agriculture and agroforestry: *"Farming and agricultural revenues within organized communities have increased and sustainable land use for farming and agroforestry is secured".*
3. In the field of tourism development: *"The recreational value of Si-Kop has been recognized by a broad section of society and local communities can derive revenues from tourism".*

PROJECT: PD036/98 Rev.1 (F)
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: PENDING AGREEMENT
COUNTRY: CAMBODIA
AGENCY: DEPARTMENT OF FORESTRY AND WILDLIFE
ITTO BUDGET(US\$) \$99,004.00
STARTING YEAR:

TITLE: ESTABLISHMENT OF FORESTRY SECTOR DRAFT DEVELOPMENT PLAN FOR SUSTAINABLE FOREST MANAGEMENT IN CAMBODIA

DESCRIPTION:

The Royal Government of Cambodia has been recently reformed the Forest Policy and Sectoral Development Programme as a whole. It is the reason for the ongoing Project Proposal to establish the Forestry Sector *Draft Development Plan* in Cambodia. The main objective of this project is to develop a long term plan and strategies for sustainable Forest Management which include the plan for Forest resources protection and conservation; for Forest Management and Utilization and for Forestry Institutional Development. The Project will analyse the existing information and current status of Cambodian Forestry Sector and Develop a *Draft Development Plan* as a pre-cursor document for the next step preparation of long term development Master Plan.

PROJECT: PD038/98 Rev.2 (F) I
SESSION APPROVED XXV
SESSION FUNDED XXV
STATUS: PENDING AGREEMENT
COUNTRY: CHINA
AGENCY: DEPARTMENT OF FORESTRY OF YUNNAN PROVINCE
ITTO BUDGET(US\$) \$672,662.00
STARTING YEAR:

TITLE: TECHNOLOGY DEVELOPMENT AND DEMONSTRATION ON REFORESTATION USING TROPICAL HARDWOOD SPECIES IN YUNNAN PROVINCE OF CHINA - PHASE I

DESCRIPTION:

The specific objectives of the project are 1) to establish the sustainable technologies for different reforestation management models with tropical hardwood species at both large (forest farm based) and small (household based) scales; 2) to create a genetic improvement base for some selected hardwood species for further development of reforestation programs; and 3) to transfer the established technologies and working experiences through the establishment of demonstration areas, information dissemination and training of local forestry officials, extension workers and community leaders in tropical mountain forest areas in Yunnan Province of China.

PROJECT: PD049/98 Rev.1 (F)
SESSION APPROVED XXV
SESSION FUNDED XXVI
STATUS: PENDING AGREEMENT
COUNTRY: GHANA
AGENCY: 31st DECEMBER WOMEN'S MOVEMENT - WITH FORESTRY DPT.
ITTO BUDGET(US\$) \$589,534.00
STARTING YEAR:

TITLE: PARTICIPATORY TROPICAL FOREST DEVELOPMENT BY WOMEN IN INDIGENOUS COMMUNITIES

DESCRIPTION:

The project aims at supporting the 31st December Women's Movement an NGO and indigenous Communities in Worobong South of the Eastern Region of Ghana to develop 1,200 ha community plantation of Teak integrated with other indigenous timber species. This will improve the living standards of rural women living in the project area and also restore the integrity of a degraded forest reserve and consequently increase the supply of timber to the domestic and international interests.

PROJECT: PD051/98 Rev.1 (F)
SESSION APPROVED XXV
SESSION FUNDED XXVI
STATUS: PENDING AGREEMENT
COUNTRY: COTE D'IVOIRE
AGENCY: SODEFOR
ITTO BUDGET(US\$) \$490,966.00
STARTING YEAR:

TITLE: FOREST FIRE MANAGEMENT IN COTE D'IVOIRE ON AN EXPERIMENTAL BASIS

DESCRIPTION:

The overall objective of the Project is to contribute to the protection, development and sustainable management of Côte d'Ivoire forests through the establishment of both human resources and equipment systems likely to contain the harmful effects of wildfire. Two specific objectives will be pursued under this project: (i) a better understanding of forest fire; and (ii) the development of forest fire prevention and control systems.

PROJECT: PD003/99 Rev.2 (F)

TITLE: AN ASSESSMENT OF THE STATUS OF CONSERVATION AREAS IN

REFORESTATION AND FOREST MANAGEMENT PROJECTS

SESSION APPROVED XXVI

SABAH, MALAYSIA

SESSION FUNDED XXVI

STATUS: PENDING AGREEMENT

COUNTRY: MALAYSIA

AGENCY: SABAH FORESTRY DEPARTMENT (SFD).
MALAYSIA

ITTO BUDGET(US\$) \$391,616.00

STARTING YEAR:

DESCRIPTION:

The State of Sabah, Malaysia, with a total land area of 7,371,267 ha, is located at the northern tip of Borneo. Sabah, like the rest of Borneo, is known for its tremendous biodiversity. There are 7 classes of forest reserves in Sabah, totalling 3,594,520 ha. They are collectively referred to as the Permanent Forest Estate (PFE). This Project aims to assess the conservation areas within the PFE in terms of their vegetation quality, conservation values and management aspects, with the ultimate aim of ensuring that an effective state-wide forest conservation strategy is put in place. The output of the project will be a comprehensive database of the conservation areas assessed, in a readily accessible form. Recommendations for forest conservation will be forwarded to the State Government.

PROJECT: PD009/99 Rev.2 (F)

SESSION APPROVED XXVI

SESSION FUNDED XXVI

STATUS: PENDING AGREEMENT

COUNTRY: TOGO

AGENCY: DPCEF - DIRECTION DE LA PROTECTION
ET DU CONTROLE DE L'

ITTO BUDGET(US\$) \$384,524.00

STARTING YEAR:

TITLE: SUSTAINABLE MANAGEMENT OF MISSAHOE RESERVED FOREST
FORESTRY RESOURCE WITH THE PARTICIPATION OF THE LOCAL
RURAL COMMUNITIES FOR AN OPTIMAL TIMBER PRODUCTION
(KPALIME, TOGO)

DESCRIPTION:

This project aims at achieving an optimal production of the timber generated in the forest areas of Missahoe Reserved Forest and its surrounding land with a view to increasing the timber potential of the country and improve the standard of life of the local populations. It plans an implementation in two parts: 1) the rehabilitation and sustainable management of the Reserved Forest based on a mutual agreement between all interested partners: 2) the promotion of forestry and agroforestry reforestations for timber on the lands bordering the Reserved forest.

The project would enable the planting of 550 ha of new forest in the Reserved Forest using the methods of full planting, enrichment or agroforestry; the realization of 100 ha of rural plantations through full planting or agroforestry planting, of six nurseries managed by the populations and the training of 180 persons in reforestation techniques.

It will be possible to secure the resource base and ensure the management of Missahoe Reserved Forest through a new administration scheme giving sufficient responsibilities to all interested parties until the end of the project, a new system defining the inputs and outputs to be achieved by each partner, and the investments generated by the project.

PROJECT: PD010/99 Rev.3 (F)

SESSION APPROVED XXVI

SESSION FUNDED XXVI

STATUS: PENDING AGREEMENT

COUNTRY: CHINA

AGENCY: FORESTRY BUREAU OF HAINAN
PROVINCE

ITTO BUDGET(US\$) \$385,138.00

STARTING YEAR:

TITLE: SELECTION AND CULTIVATION OF FAST-GROWING AND HIGH-
YIELDING STRAINS OF RUBBER TREES FOR TIMBER PRODUCTION IN
HAINAN, CHINA

DESCRIPTION:

To select over 2 strains of fast-growing and high-yielding timber-oriented rubber tree species on the basis of the inventory of tree species resources:

To establish 20 ha. of fast-growing and high-yielding demonstration rubber plantation.

PROJECT: PD016/99 Rev.2 (F)

SESSION APPROVED XXVI

SESSION FUNDED XXVI

STATUS: PENDING AGREEMENT

COUNTRY: MALAYSIA

AGENCY: FOREST DEPARTMENT, SARAWAK,
MALAYSIA

ITTO BUDGET(US\$) \$743,775.00

STARTING YEAR:

TITLE: DEVELOPMENT OF LANJAK-ENTIMAU WILDLIFE SANCTUARY AS A
TOTALLY PROTECTED AREA - PHASE III

DESCRIPTION:

On the basis of the findings and recommendations from Phase II and the ITTO Borneo Biodiversity Expedition 1997, and in line with the Sarawak Government's goal on sustainable forest management, Phase III's outputs place emphasis on conservation through utilisation of timber and non-timber resources, and contribute towards developing the full potential of the Trans-boundary Bentuang Karimun Lanjak Entimau Biodiversity Conservation Area.

Main Outputs

1. Monitor and provide information on the phenology and agronomy of timber tree species in gene banks;
2. Provide technical and scientific training to the local communities in the development of sustainably produced resources;
3. Survey and collect information on the status of orangutan in the Trans-boundary Conservation Area including the Batang Ai National Park in Sarawak;
4. Conduct botanical studies relating to protection of critical habitats and endangered species, and on the potential of indigenous ornamental plants;
5. Provide and update management guidelines for the management of the Sanctuary as well as the Trans-boundary Conservation Area;
6. Provide training to young scientists and graduates to contribute to the future management need of the Sarawak Forest Department.

PROJECT: PD022/99 Rev.2 (F) I

SESSION APPROVED XXVI

SESSION FUNDED XXVII

STATUS: PENDING AGREEMENT

COUNTRY: HONDURAS

TITLE: STUDY ON THE BEHAVIOUR OF NATIVE TIMBER SPECIES OF
COMMERCIAL VALUE IN THE TROPICAL MOIST FORESTS OF
HONDURAS

DESCRIPTION:

This Project stems from the need to consolidate the scientific information on 40 species

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AGENCY: NATIONAL FORESTRY SCIENCE SCHOOL
(ESNACIFOR)
ITTO BUDGET(US\$) \$401,955.00
STARTING YEAR:

regarding nursery, phenology, planting and financial aspects so as to promote reforestation and natural forest enrichment programs. The Project will be implemented in the Atlantic Coastal Region of Honduras, extending over the Department of Atlantida and a large part of the departments of Colon and Yoro.

The following are the four main project outputs out of a total of six expected outputs related to tropical moist forest management:

- An efficient ongoing program for the management of germ plasm banks and seed supply including genetic control and phenological study carried out for 40 ecologically representative species from the region;
- Consolidated technical-scientific information on plant production for 40 native timber species;
- Consolidated technical-scientific information on 40 timber species for plantation establishment and management, including *Swietenia macrophylla*;
- Establishment of basic technology transfer structure to disseminate and transfer the technical-scientific results obtained on 40 native timber species.

PROJECT: PD054/99 Rev.2 (F)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: COLOMBIA
AGENCY: REGIONAL AUTONOMOUS CORPORA. OF
RIO NEGRO-NARE. CORNARE
ITTO BUDGET(US\$) \$566,377.00
STARTING YEAR:

TITLE: ALTERNATIVE FINANCING MODEL FOR SUSTAINABLE FOREST
MANAGEMENT IN SAN NICOLAS, COLOMBIA

DESCRIPTION:

This proposal is the result of joint efforts by institutions from both producing and consuming members of ITTO.

A total of 72,367 hectares in the San Nicolas Valleys sub-region have been designated as a protection and forestry-apt area. The dynamics of this area are influenced by two main factors the pressure of new economic activities such as flower production and the expansion of the urban frontier due to its proximity to the metropolitan area. This project seeks to curb the degradation of natural resources through the design of a financing model which combines the sustainable management of natural forests with alternative financing sources such as the contribution of various industrial sectors and the possible incorporation of the forest sector into the context of the Clean Development Mechanism.

In addition, the proposal comprises a participatory component with the local community so as to ensure the equitable distribution of benefits generated by the project.

PROJECT: PD057/99 Rev.2 (F) I
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: BRAZIL
AGENCY: EMBRAPA AMAZONIA ORIENTAL.
BELEM PARA. WITH CIFOR
ITTO BUDGET(US\$) \$753,954.00
STARTING YEAR:

TITLE: SUSTAINABLE MANAGEMENT OF PRODUCTION FORESTS AT THE
COMMERCIAL SCALE IN THE BRAZILIAN AMAZON

DESCRIPTION:

The project represented by this proposal has as final objective to encourage the adoption of good forest management practices by timber enterprises in the Brazilian Amazon. The central idea is to develop, test, evaluate and transfer a Forest Management System (FMS) for use by timber enterprises working under typical production conditions found in terra firme forests of the Brazilian Amazon. The FMS consists of a set of tools designed to assist a forest enterprise in the planning, implementation, evaluation and monitoring of its operations to achieve sustained economic benefits under current and foreseeable environmental and social conditions. There are two types of tools: silvicultural, including tools, e.g. for planning timber harvesting and monitoring forest growth, and managerial tools e.g. for the economic planning and control of the enterprises operations. In the first phase (2000-2001) a Forest Management System Prototype (FMS-P) will be tested and validated at an operational scale by one timber enterprise in the Eastern Brazilian Amazon. In addition, a system to monitor the ecological, social and economic impacts of the FMS-P will be developed and tested. The second phase (2002-2004) will be mainly devoted to technically assist in the transfer of the validated FMS and evaluate its ecological, social and economical impacts under consideration of natural, socioeconomic and political frame conditions. The project has a potential to provide technical background and institutional capacity to improve national and regional forest policies related to forest management in the Brazilian Amazon, as well as in other Amazonian countries. The main project executing agencies are EMBRAPA Eastern Amazon and CIFOR. A number of local/regional institutions will collaborate, participate or benefit from the project. The total project budget is US\$ 3567415 of which US\$ 1698402 are being requested to ITTO in this proposal.

PROJECT: PD060/99 Rev.1 (F)
SESSION APPROVED XXVII
SESSION FUNDED XXVII
STATUS: PENDING AGREEMENT
COUNTRY: JAPAN
AGENCY: JAPAN OVERSEAS FORESTRY
CONSULTANTS ASSOCIATION (JOICA)
ITTO BUDGET(US\$) \$655,577.00
STARTING YEAR:

TITLE: OPTIMUM UTILIZATION OF RADARSAT-SAR DATA IN CONJUNCTION
WITH ENHANCED FCD MODEL TO MONITOR CHANGE IN THE STATUS
OF FOREST RESOURCES

DESCRIPTION:

A New Satellite data analysis method was developed by ITTO Project, PD 32/93 Rev.2 (F), i.e. the Forest Canopy Density Mapping (FCD) Model, which enables ITTO member countries to carry out rapid, highly accurate assessment of forest conditions in real time. Furthermore, a Semi-expert System, i.e. the FCD Mapper, was subsequently developed under ITTO Project PD 13/97 Rev. 1 (F) which provides user-friendly software for operation of the FCD Model.

In addition to the capability for reliable assessment of current conditions, there is a need to upgrade the Semi-expert System to conduct multi-temporal remote sensing (RS) analysis for

REFORESTATION AND FOREST MANAGEMENT PROJECTS

monitoring change in the status of forest resources. Meanwhile, due to the prevalence of clouds, haze and smoke in many tropical forest areas, it is often difficult to conduct thorough and timely assessment of ground conditions using multi-spectral data (e.g. LANDSAT-TM, SPOT-4, IRS-1C).

The project addresses the issues and needs summarized above by (1) developing a new RS-based methodology for multi-temporal assessment of forest degradation and/or regeneration using the enhanced FCD Model, (2) employment of RADARSAT SAR data to help monitor and assess ground conditions in the areas frequently covered by clouds, haze and smoke, and (3) upgrading the FCD Mapper Semi-expert System to simplify multi-temporal analysis. Project outputs will help strengthen the capability to achieve efficient, cost-effective planning and monitoring for sustainable forest management.

PROJECT: PD044/95 Rev.3 (F) II
SESSION APPROVED XXVI
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: HONDURAS
AGENCY: COHDEFOR
ITTO BUDGET(US\$) \$369,872.00
STARTING YEAR:

TITLE: MANAGEMENT AND CONSERVATION ON MANGROVES IN THE GULF OF FONSECA, HONDURAS - PHASE II

DESCRIPTION:

This project has been designed with the aim of reducing the pressure exerted by local communities on mangrove forests through the establishment and protection of fast-growing plantations for energy purposes as an alternative to meet industrial and household requirements, while creating awareness amongst the communities of the importance of conserving this ecosystem. Furthermore, socioeconomic surveys and mangrove species valuation studies will be implemented.

PROJECT: PD008/96 Rev.2 (F)
SESSION APPROVED XXIV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: BOLIVIA/HONDURAS
AGENCY: NATIONAL DIRECTORATE FOR FOREST PROMOTION & PRODUCTION
ITTO BUDGET(US\$) \$807,849.00
STARTING YEAR:

TITLE: CONSERVATION AND PEST MANAGEMENT FOR REALIZING THE POTENTIAL OF MAHOGANY AS A SUSTAINABLE CROP

DESCRIPTION:

Long-term, sustainable production of mahogany is threatened by genetic erosion, whilst large-scale production in plantations is at present limited by the attacks of the mahogany shoot borer (*Hypsipyla grandella*). Research has demonstrated the existence of genetic variation in resistance to *Hypsipyla* attack. The logical next steps are to test a wide variety of genetic material in order to identify the best genotypes, and to systematically test complementary silvicultural systems, whilst conserving the genetic base of the species. Through the implementation of these activities, the present project will establish the base for sustainable production of mahogany in plantations. The main outputs will be *Hypsipyla* resistant clones; silvicultural systems that reduce or mitigate attack; inventory and assessment of the biological control potential of natural enemies of *Hypsipyla*; techniques for genetic transformation; guidelines (based on molecular genetic analysis) for *in situ* conservation; *ex situ* conservation of threatened populations; candidate pest management systems for operational testing and/or further experimental validation. The development objective of the project is to provide the basis for sustainably increasing world trade in mahogany and mahogany products. The project will be executed by national research centres in Bolivia and Honduras, both directly and through subcontractors.

PROJECT: PD002/97 Rev.3 (F)
SESSION APPROVED XXIV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: CAMEROON
AGENCY: ONADEF
ITTO BUDGET(US\$) \$638,000.00
STARTING YEAR:

TITLE: ESTABLISHMENT OF A DEMONSTRATION AREA FOR THE SUSTAINED UTILIZATION OF TIMBER, BASED ON A FOREST ENTERPRISE IN THE NLOBO RESERVED FOREST - PHASE I

DESCRIPTION:

The project aims to set up in the long term and on a large scale a model of tropical natural forest management for the sustained production of timber, whilst preserving the forest's ecological functions and with emphasis on respecting the interests of the local communities. The project is located in the rainforest of Southern Cameroon and falls within the National Forest Action Plan.

The project will provide for the setting up of a data bank on forest management. Under such management, the forest will also serve to demonstrate forest utilization, forest research and training methods.

PROJECT: PD055/97 Rev.2 (F)
SESSION APPROVED XXIV
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: GHANA
AGENCY: FRIENDS OF THE EARTH
ITTO BUDGET(US\$) \$494,850.00
STARTING YEAR:

TITLE: REFORESTATION AND PARTICIPATORY FOREST MANAGEMENT IN THE TRANSITIONAL ZONE (BRONG-AHAFO REGION) OF GHANA

DESCRIPTION:

1. Develop and implement a community-based forest management project which incorporates indigenous knowledge and practices;
2. Assist local communities to reforest denuded forestlands to provide timber and other forest products; and
3. Build the capacity of indigenous groups and organizations to protect and manage community forest resources.

PROJECT: PD060/97 Rev.1 (F)
SESSION APPROVED XXIII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: PHILIPPINES

TITLE: TECHNOLOGY DEVELOPMENT FOR THE PRODUCTION OF LESSER KNOWN TREE SPECIES (LKTS) AS ALTERNATIVE RAW MATERIALS FOR FOREST-BASED INDUSTRIES

DESCRIPTION:

The Project attempts to develop appropriate technologies for the production of selected Lesser

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>AGENCY: COLLEGE OF FORESTRY, UNIV. OF THE PHILIPPINES</p> <p>ITTO BUDGET(US\$) \$1,369,892.00</p> <p>STARTING YEAR:</p>	<p>Known Tree Species (LKTS) which are potential substitutes for traditional tree species.</p> <p>The Specific Objectives are: to document the general phenology of flowering and fruit development of selected LKTS in order to assess the seed potential of each species; to evaluate the environment tolerance of selected LKTS to fire, drought, acid soils and their performance in open grassland conditions; and to develop and standardize seed, nursery, mycorrhizal inoculation and plantation technologies for selected LKTS.</p> <p>The target beneficiaries will be the farmers in the upland communities who will be encouraged to engage in tree farming to supply their cash income and provide raw material for the industries.</p>
<p>PROJECT: PD001/98 Rev.1 (F)</p> <p>SESSION APPROVED XXIV</p> <p>SESSION FUNDED</p> <p>STATUS: PENDING FINANCE</p> <p>COUNTRY: CAMBODIA</p> <p>AGENCY: MINISTRY OF AGRICULTURE, FORESTRY AND FISHERIES</p> <p>ITTO BUDGET(US\$) \$702,550.00</p> <p>STARTING YEAR:</p>	<p>TITLE: TEAK REFORESTATION PROJECT OF 1,100 HIA AT TOEUK CHHA FOREST RESERVE KAMPONG CHAM PROVINCE</p> <p>DESCRIPTION:</p> <p>The Royal Government of Cambodia, in 1996, decided to transfer the responsibility of the supervision of Toeuk Chha Old forest reserve at Kampong Cham province to Department of Forestry and Wildlife with the intention to reforest this degraded area. The deforestation has resulted in environmental degradation and has affected the underground water source that supply irrigation water for the agricultural crops of the region. Reestablishment of the forest cover through plantations is necessary to conserve the environment and for meeting the demand for timber from local people. The objective of the project is to reduce the pressure for timber in the natural forests and to improve the supply for local use and industry through establishment of teak plantations on degraded and deforested lands. The project will assist capacity building in nursery techniques, plantation establishment and management, through training and research information, and strengthen the reforestation service within the Department of Forestry and Wildlife.</p>
<p>PROJECT: PD008/98 Rev.2 (F)</p> <p>SESSION APPROVED XXIV</p> <p>SESSION FUNDED</p> <p>STATUS: PENDING FINANCE</p> <p>COUNTRY: GABON</p> <p>AGENCY: MINISTRY OF FORESTRY AND REFORESTATION</p> <p>ITTO BUDGET(US\$) \$789,493.00</p> <p>STARTING YEAR:</p>	<p>TITLE: DEVELOPMENT OF A DEMONSTRATION AREA IN THE SUSTAINABLE MANAGEMENT OF GABONESE FORESTS</p> <p>DESCRIPTION:</p> <p>The aim of this project is to contribute to the improvement of sustainable forest management by the dissemination of the experience obtained in the pilot management of a model forest. It will reveal the ecological and economic potential of the forest. It will make it possible to develop and implement reference systems in the field of forest utilization and sustainable management, and conservation of the bio-diversity. This project will also make it possible to establish a management structure for the model forest and a practical training program in natural forest sustainable management. The practical training will enable on-site agents to assume the monitoring and control of forestry and sustainable forest management activities.</p>
<p>PROJECT: PD010/98 Rev.1 (F)</p> <p>SESSION APPROVED XXV</p> <p>SESSION FUNDED</p> <p>STATUS: PENDING FINANCE</p> <p>COUNTRY: BOLIVIA</p> <p>AGENCY: VICE-MINISTRY FOR NATURAL RESOURCES</p> <p>ITTO BUDGET(US\$) \$989,393.00</p> <p>STARTING YEAR:</p>	<p>TITLE: PARTICIPATORY FOREST MANAGEMENT BY THE INDIGENOUS COMMUNITIES OF THE CHIMANES REGION, BENI, BOLIVIA</p> <p>DESCRIPTION:</p> <p>This project proposal seeks to resolve some of the factors limiting the involvement of the indigenous communities in the commercial harvesting and management of their forests. The project is aimed at supporting the local communities by strengthening local organisations and developing the administrative and managerial capacity of these communities. Municipalities will be supported by strengthening the capacity of Municipal Forest Units to provide technical assistance to the indigenous communities. Techniques and methodologies will be developed so as to integrate traditional forest knowledge and uses into modern approaches.</p> <p>The aim of the project is to address these limiting factors of the indigenous communities on a trial basis at the community level, initiating a process of establishment of small-scale indigenous forest industries with capacity to process and market various forest products. Thus, sustainable and integrated forest management will be encouraged, while promoting the protection of resources and generating income to improve the standard of living of the local population.</p>
<p>PROJECT: PD013/98 Rev.2 (F)</p> <p>SESSION APPROVED XXV</p> <p>SESSION FUNDED</p> <p>STATUS: PENDING FINANCE</p> <p>COUNTRY: COLOMBIA</p> <p>AGENCY: CONIF</p> <p>ITTO BUDGET(US\$) \$718,044.00</p> <p>STARTING YEAR:</p>	<p>TITLE: ESTABLISHMENT OF A NATIONAL NETWORK OF PERMANENT PLOTS OF FOREST SPECIES (NPPNFS)</p> <p>DESCRIPTION:</p> <p>The objective of this project is to establish a national network of a minimum of 150 permanent growth plots of forest species used in commercial reforestation in Colombia. The plots will include stands of different ages and growth patterns within established plantations. The field data produced will help to improve growth and yield rates. The project is aimed at the study of high-value tropical species previously used in commercial reforestation in Colombia. A preliminary list of these species includes <i>Cordia alliodora</i>, <i>Tabebea rosea</i>, <i>Cedrela odorata</i>, <i>Bombacopsis quinata</i>, <i>Cordia gerascanthus</i>, <i>Alnus jorullensis</i>, <i>Cariniana pyriformis</i>, <i>Eucalyptus tereticornis</i>, <i>Gmelina arborea</i>, and <i>Tectona grandis</i>. The knowledge gained through the implementation of this project will lead to the development of better commercial plantation establishment and management plans, especially those developed through Forest Incentive Certificates (CIF) promoted by the Government of Colombia. In addition, it will be possible to improve the production of forest products, acquire a better understanding of the biological</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>PROJECT: PD030/98 Rev.2 (F) SESSION APPROVED XXV SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: ECUADOR AGENCY: INEFAN ITTO BUDGET(US\$) \$419,748.00 STARTING YEAR:</p>	<p>aspects of forest species, and contribute to natural forest conservation with the development of plantations under sustainable management.</p> <p>TITLE: STUDY OF SILVICULTURAL TECHNIQUES FOR THE SEXUAL AND ASEXUAL REPRODUCTION OF CHANUL (<i>Humiriastrum procerum</i>)</p> <p>DESCRIPTION: In 1995 the Ecuadorean Institute for Forests, Natural Areas and Wildlife (INEFAN) approved the Forest, Natural Areas and Wildlife Policy of Ecuador, which underscores the importance of promoting the development of forest resources in order to meet the population's needs for goods and services. The objective of this project is to identify silvicultural techniques for the reproduction of this endangered commercial species, the exploitation of which is currently banned. It is expected that the results obtained will allow the individuals and/or companies involved in sustainable timber harvesting to become aware of appropriate reproduction methodologies to start the establishment of Chanul plantations, thus reducing to a great extent the impact on natural tropical moist forests, particularly in the Province of Esmeraldas.</p>
<p>PROJECT: PD038/98 Rev.2 (F) II SESSION APPROVED XXV SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: CHINA AGENCY: DEPARTMENT OF FORESTRY OF YUNNAN PROVINCE ITTO BUDGET(US\$) \$527,873.00 STARTING YEAR:</p>	<p>TITLE: TECHNOLOGY DEVELOPMENT AND DEMONSTRATION ON REFORESTATION USING TROPICAL HARDWOOD SPECIES IN YUNNAN PROVINCE OF CHINA - PHASE II</p> <p>DESCRIPTION: The specific objectives of the project are 1) to establish the sustainable technologies for different reforestation management models with tropical hardwood species at both large (forest farm based) and small (household based) scales; 2) to create a genetic improvement base for some selected hardwood species for further development of reforestation programs; and 3) to transfer the established technologies and working experiences through the establishment of demonstration areas, information dissemination and training of local forestry officials, extension workers and community leaders in tropical mountain forest areas in Yunnan Province of China.</p>
<p>PROJECT: PD040/98 Rev.2 (F) SESSION APPROVED XXVI SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: PANAMA AGENCY: NATIONAL ENVIRONMENTAL AUTHORITY (ANAM) ITTO BUDGET(US\$) \$614,485.00 STARTING YEAR:</p>	<p>TITLE: PREPARATION FOR THE IMPLEMENTATION OF A COMMUNITY-BASED SUSTAINABLE FOREST DEVELOPMENT PLAN IN THE MIGUEL RIVER BASIN, DISTRICT OF DONOSO</p> <p>DESCRIPTION: The objective of the Forest Development Plan is "the protection and sustainable management of forests in the Donoso Project area with the participation and for the benefit of the local communities, as well as the establishment of a forest-based development model that may be applied to other forest areas in the Atlantic Region of the Republic of Panama".</p>
<p>PROJECT: PD052/98 Rev.3 (F) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: COTE D'IVOIRE AGENCY: SOCIETE DE DEVELOPPEMENT DES FORETS (SODEFOR) ITTO BUDGET(US\$) \$532,039.00 STARTING YEAR:</p>	<p>TITLE: ESTABLISHING A NETWORK OF PERMANENT SAMPLING PLOTS FOR MONITORING THE DYNAMICS OF REFORESTATION IN COTE D'IVOIRE</p> <p>DESCRIPTION: The specific objectives of this Project are as follows:</p> <ol style="list-style-type: none"> 1. The establishment of a network of permanent monitoring plots for major reforestation species, to be used as plantation management tool. 2. The implementation of a computerized data management and processing system.
<p>PROJECT: PD056/98 Rev.2 (F) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: VENEZUELA AGENCY: MIN. FOR ENVIRONMENT & RENEWABLE NATURAL RESOURCES ITTO BUDGET(US\$) \$514,524.00 STARTING YEAR:</p>	<p>TITLE: CRITERIA AND INDICATORS FOR THE SUSTAINABLE DEVELOPMENT OF VENEZUELAN FORESTS</p> <p>DESCRIPTION: 1. Select, prioritize and harmonize a set of criteria and indicators arising out of the initiatives of ITTO and the ACT, so as to ensure their field applicability and monitoring in the short, medium and long terms and to guarantee that those selected are the most real and objective C&I possible in the light of the national economic, social and political context.</p>
<p>PROJECT: PD017/99 Rev.1 (F) I SESSION APPROVED XXVI SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: BOLIVIA AGENCY: MINISTERIO DE AGRICULTURA</p>	<p>TITLE: NATIONAL FOREST INVENTORY AND FOREST RESOURCE MONITORING PROGRAM IN BOLIVIA (INFOBOL-2000) - PHASE I</p> <p>DESCRIPTION: The aim of this project is to gather both static and dynamic quantitative and qualitative information on Bolivian forests by updating the forestry map and implementing a national forest inventory and a forest dynamics monitoring program. The information obtained will be</p>

REFORESTATION AND FOREST MANAGEMENT PROJECTS

GANADERIA Y DESARROLLO RURAL
ITTO BUDGET(US\$) \$1,374,006.00
STARTING YEAR:

integrated using a forest geographic information system (FGIS), which will facilitate the decision making process regarding the designation of permanent production forests and other needs as the administration deems appropriate. This system will serve as the basis for the preparation of a Forest Development Plan of Bolivia. Furthermore, the project also seeks to establish a Forest Information and Evaluation Center (CEIF), which will be the institution responsible for following up monitoring and evaluation activities after project completion.

PROJECT: PD017/99 Rev.1 (F) II
SESSION APPROVED XXVI
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: BOLIVIA
AGENCY: MINISTERIO DE AGRICULTURA
GANADERIA Y DESARROLLO RURAL
ITTO BUDGET(US\$) \$992,644.00
STARTING YEAR:

TITLE: NATIONAL FOREST INVENTORY AND FOREST RESOURCE
MONITORING PROGRAM IN BOLIVIA (INFOBOL-2000) - PHASE II

DESCRIPTION:

The aim of this project is to gather both static and dynamic quantitative and qualitative information on Bolivian forests by updating the forestry map and implementing a national forest inventory and a forest dynamics monitoring program. The information obtained will be integrated using a forest geographic information system (FGIS), which will facilitate the decision making process regarding the designation of permanent production forests and other needs as the administration deems appropriate. This system will serve as the basis for the preparation of a Forest Development Plan of Bolivia. Furthermore, the project also seeks to establish a Forest Information and Evaluation Center (CEIF), which will be the institution responsible for following up monitoring and evaluation activities after project completion.

PROJECT: PD020/99 Rev.2 (F)
SESSION APPROVED XXVII
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: COLOMBIA
AGENCY: COLOMBIAN REFORESTATION
ASSOCIATION (ACOFOR)
ITTO BUDGET(US\$) \$559,493.00
STARTING YEAR:

TITLE: ESTABLISHMENT AND MANAGEMENT OF PRODUCTION-PROTECTION
COMMUNITY FORESTS IN LOWER AND MIDDLE ATRATO,
DEPARTMENT OF CHOCO, COLOMBIA

DESCRIPTION:

This Project is aimed at the establishment and management of 2,000 hectares of protection-production plantations on lands granted by the Colombian government to the black communities in the Domingodó-Truandó area. Reforestation has been identified as one of the activities that will facilitate the development of the area given the high forestry potential of these lands.

In order to implement this Project, the local communities will work in close cooperation with Maderas del Darién S.A., a local company with extensive experience in the proposed forest practices. Furthermore, the project will ensure the participation of CODECHOCO, an agency responsible for regulating the use of natural resources at the local level.

PROJECT: PD022/99 Rev.2 (F) II
SESSION APPROVED XXVI
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: HONDURAS
AGENCY: NATIONAL FORESTRY SCIENCE SCHOOL
(ESNACIFOR)
ITTO BUDGET(US\$) \$327,050.00
STARTING YEAR:

TITLE: STUDY ON THE BEHAVIOUR OF NATIVE TIMBER SPECIES OF
COMMERCIAL VALUE IN THE TROPICAL MOIST FORESTS OF
HONDURAS

DESCRIPTION:

This Project stems from the need to consolidate the scientific information on 40 species regarding nursery, phenology, planting and financial aspects so as to promote reforestation and natural forest enrichment programs. The Project will be implemented in the Atlantic Coastal Region of Honduras, extending over the Department of Atlántida and a large part of the departments of Colón and Yoro.

The following are the four main project outputs out of a total of six expected outputs related to tropical moist forest management:

- An efficient ongoing program for the management of germ plasm banks and seed supply including genetic control and phenological study carried out for 40 ecologically representative species from the region;
- Consolidated technical-scientific information on plant production for 40 native timber species;
- Consolidated technical-scientific information on 40 timber species for plantation establishment and management, including Swietenia macrophylla;
- Establishment of basic technology transfer structure to disseminate and transfer the technical-scientific results obtained on 40 native timber species.

PROJECT: PD022/99 Rev.2 (F) III
SESSION APPROVED XXVI
SESSION FUNDED
STATUS: PENDING FINANCE
COUNTRY: HONDURAS
AGENCY: NATIONAL FORESTRY SCIENCE SCHOOL
(ESNACIFOR)
ITTO BUDGET(US\$) \$466,099.00
STARTING YEAR:

TITLE: STUDY ON THE BEHAVIOUR OF NATIVE TIMBER SPECIES OF
COMMERCIAL VALUE IN THE TROPICAL MOIST FORESTS OF
HONDURAS

DESCRIPTION:

This Project stems from the need to consolidate the scientific information on 40 species regarding nursery, phenology, planting and financial aspects so as to promote reforestation and natural forest enrichment programs. The Project will be implemented in the Atlantic Coastal Region of Honduras, extending over the Department of Atlántida and a large part of the departments of Colón and Yoro.

The following are the four main project outputs out of a total of six expected outputs related to tropical moist forest management:

- An efficient ongoing program for the management of germ plasm banks and seed supply including genetic control and phenological study carried out for 40 ecologically representative

REFORESTATION AND FOREST MANAGEMENT PROJECTS

<p>PROJECT: PD032/99 Rev.2 (F) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: COLOMBIA AGENCY: CORPORACION DE ORDENAMIENTO TERRITORIAL SINERGIA ITTO BUDGET(US\$) \$618.969.00 STARTING YEAR:</p>	<p>species from the region; - Consolidated technical-scientific information on plant production for 40 native timber species; - Consolidated technical-scientific information on 40 timber species for plantation establishment and management, including <i>Swietenia macrophylla</i>; - Establishment of basic technology transfer structure to disseminate and transfer the technical-scientific results obtained on 40 native timber species.</p> <p>TITLE: PRODUCTIVE FOREST MANAGEMENT FOR THE RURAL RESERVE AREA OF GUAVIARE</p> <p>DESCRIPTION: Law 160 of 1994 on Land Reform created the Rural Reserve Area status, which has been declared in areas affected by colonization processes. The Department of Guaviare is one of the six major departments in the Colombian Amazon Region, covering an area of approximately 5.5 million hectares, half a million of which constitute the Rural Reserve Area of Guaviare (RRA-G). In addition, the Sustainable Development Plan formulated for the RRA-G places special emphasis on the management of soil, water and biodiversity resources, atmospheric conditions, employment generation, social equity and economic efficiency, so as to correct previous mistakes of past agricultural production activities. This Development Plan, which has been submitted, discussed and approved by the various Municipal Councils for Rural Development, envisages forest development as the strategic productive axis for social and economic welfare in the region and for the rehabilitation and conservation of the Amazon forests of the area. This project provides specific support for the implementation of the Management Plan for the RRA-G. To this end, activities have been designed for financing through significant present and future contributions.</p> <p><u>Specific objectives:</u></p> <ol style="list-style-type: none"> 1. Develop the forest management skills of rural producers in the Rural Reserve Area of Guaviare. 2. Implement demonstration exercises to test and adjust forest production options. 3. Develop management plans for forest reserve areas suitable for utilization, forest plantation establishment and management plans for agricultural areas, and plans for the protection and rehabilitation of forest lands of significance for the provision of environmental services.
<p>PROJECT: PD042/99 Rev.1 (F) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: CAR AGENCY: MIN. OF ENVIRONMENT, FORESTRY, HUNTING AND FISHING ITTO BUDGET(US\$) \$996.052.00 STARTING YEAR:</p>	<p>TITLE: SUPPORT FOR FORESTRY RESEARCH, MONITORING OF THE TIMBER INDUSTRY AND TRAINING OF FOREST MANAGERS IN THE CENTRAL AFRICAN REPUBLIC</p> <p>DESCRIPTION: DEVELOPMENT OBJECTIVE</p> <p>The national forestry sector is equipped with the necessary tools and capability to ensure the sustainable management of the country's timber resources.</p> <p>SPECIFIC OBJECTIVES</p> <ol style="list-style-type: none"> (1) Reinforcement of forestry research by 4 researchers trained by the project. (2) Establishment of a sustainable statistical data collection and distribution base on the logging and marketing of timber. (3) Reinforcement of forestry training through training support for 30 forest engineers and through the development and purchase of educational and teaching material.
<p>PROJECT: PD047/99 Rev.2 (F) SESSION APPROVED XXVII SESSION FUNDED STATUS: PENDING FINANCE COUNTRY: COLOMBIA AGENCY: INGUUDE Foundation ITTO BUDGET(US\$) \$411.535.00 STARTING YEAR:</p>	<p>TITLE: RESTORATION OF HIGH-VALUE TIMBER SUPPLY IN THE COLOMBIAN PACIFIC REGION THROUGH ENVIRONMENTALLY SUSTAINABLE COMMUNITY SYSTEMS IN CABO CORRIENTES, CHOCO BIO-GEOGRAPHICAL REGION, COLOMBIA</p> <p>DESCRIPTION: The Gulf of Tribuga, to the north of the Choco Bio-geographic Region, has undergone a critical process of selective harvesting of high-value timber resources, and large areas of the Colombian Pacific region are also under the same threat. Cabo Corrientes is a 25,000-hectare area where there are still trees with genetic potential for the sustainable harvesting and conservation of species. This Project is aimed at establishing a community reforestation program in the Gulf of Tribuga, increasing the supply of propagation material to both the area of the Gulf and to the tropical forests of the Pacific Region. Proposed activities include the use of traditional knowledge on species, training, field research, collection of propagation material from individuals with good timber characteristics, and establishment of a nursery to be managed by a local community group.</p> <p>The development objective of the Project is to: Increase the supply of high value timber and enhance forest conservation in the Colombian Pacific Coast through environmentally sustainable community systems based on sound species research.</p> <p>The specific objectives of the Project are:</p> <ul style="list-style-type: none"> - Increase the supply of high value timber in the Colombian Pacific Coast by providing

REFORESTATION AND FOREST MANAGEMENT PROJECTS

information and planting material on six species:

- Collect information on the biological aspects of selected species; and
 - Promote the conservation of tropical moist forests through coordinated actions with the local communities aimed at the future forest management of the area.
-

PROJECT: PD063/99 Rev.2 (F)
 SESSION APPROVED XXVII
 SESSION FUNDED
 STATUS: PENDING FINANCE
 COUNTRY: CAMEROON
 AGENCY: ONADEF
 ITTO BUDGET(US\$) \$276.051.00
 STARTING YEAR:

TITLE: INTEGRATED AND PARTICIPATORY MANAGEMENT OF OTTOTOMO
 FOREST RESERVE

DESCRIPTION:

The OTTOTOMO forest reserve, covering a total of 2.950ha has been established in 1930. Although few activities have been carried out in the reserve, in particular some reforestation activities, its full development has been hampered by the lack of a comprehensive development programme. This situation has been conducive to the degradation of the reserve and the decrease of the standards of life of dependant local communities, in spite of the great potential available.

The Objective of the project is to build a comprehensive and collaborative development strategy for the reserve, taking into account all available resources and requirements for a sustainable development. In this connection, it is envisaged that a new strategy, to be included in the forest management plan to be developed for the reserve, will be articulated in a integrated manner around the following actions: forest protection, forest regeneration, timber production, touristic development and agroforestry development. It is expected that these actions will generate additional income for dependant communities.

Project activities will basically include:

- The development of an integrated forest development plan;
 - The demarcation of the reserve and compartments boundaries;
 - Timber harvesting;
 - The production of planting material;
 - Training and extension activities towards local communities;
 - The promotion of NTFP and other rural income generating activities; and
 - The development of touristic activity.
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ANNEX 2
International Tropical Timber Agreement, 1994
Status of Members as at 2 December 1999

<u>Member</u>	<u>Signature</u>	<u>Provisional application</u>	<u>Ratification, accession (a), acceptance (A), approval (AA), definitive signature (s)</u>
Australia			2 Feb 1996 (s) 16 May 1997
Austria	13 May 1996		
Belgium/Luxembourg	13 May 1996	13 May 1996	
Bolivia	17 Aug 1995		17 Aug 1995
Brazil	13 Dec 1996		28 Nov 1997
Cambodia	3 Feb 1995		3 Feb 1995 (A)
Cameroon	22 Dec 1994	31 Aug 1995	
Canada	3 May 1995		23 May 1996
Central African Republic		23 May 1997	
China	22 Feb 1996		31 Jul 1996 (AA)
Colombia	8 Nov 1995	9 Oct 1996	16 August 1999
Congo	22 Jun 1994	25 Oct 1995	
Côte d'Ivoire	9 Sep 1996	9 Sep 1996	31 Jan 1997
Democratic Republic of the Congo	17 Dec 1996	27 Mar 1997	
Denmark	13 May 1996		13 May 1996
Ecuador	1 Jun 1994		6 Sep 1995
Egypt	8 Nov 1994	15 May 1996	
European Community	13 May 1996	13 May 1996	
Fiji	27 Jan 1995	27 Jan 1995	
Finland	13 May 1996	13 May 1996	
France	13 May 1996	28 Oct 1996	
Gabon	27 May 1994	2 Aug 1995	
Germany	30 Aug 1995	30 Aug 1995	
Ghana	12 Jul 1995		28 Aug 1995
Greece	13 May 1996		13 Oct 1997
Guyana	13 Sep 1996		27 Aug 1997
Honduras	9 May 1995	2 Nov 1995	
India	17 Sep 1996		17 Oct 1996
Indonesia	21 Apr 1994		17 Feb 1995
Ireland	14 May 1996		
Italy	7 May 1996		25 Jun 1998
Japan	13 Dec 1994	13 Dec 1994	9 May 1995 (A)
Liberia			9 Dec 1994 (s)
Malaysia	14 Feb 1995		1 Mar 1995
Myanmar	6 Jul 1995		31 Jan 1996
Nepal		23 May 1997	
Netherlands	6 Jul 1995	6 Jul 1995	
New Zealand			6 Jun 1995 (s)
Norway	25 Jan 1995		1 Feb 1995
Panama	22 Jun 1994	4 May 1995	4 Apr 1996
Papua New Guinea	28 Aug 1995	28 Aug 1995	13 May 1996
Peru	29 Aug 1994		21 Sep 1995
Philippines	29 Sep 1995	26 Feb 1996	
Portugal	13 May 1996		4 Nov. 1999
Republic of Korea	12 Sep 1995		12 Sep 1995
Spain	12 Jan 1996	12 Jan 1996	15 Jan 1997
Suriname			24 Aug 1998 (a)
Sweden	13 May 1996		13 May 1996
Switzerland	29 Aug 1995		10 Jun 1996
Thailand	10 Apr 1996		25 Jul 1996
Togo	12 Jul 1994		4 Oct 1995 (A)
Trinidad and Tobago			29 Dec 1998 (a)
United Kingdom	13 May 1996	13 May 1996	
United States of America	1 Jul 1994		14 Nov 1996 (A)
Venezuela	4 Oct 1995		2 Mar 1998

ANNEX 3 1999 ITTO Publications

General Information

1. GI-6 Annual Report 1998
2. GI-7 Annual Review and Assessment of the World Timber Situation 1998
3. GI-8 Reports of the Sessions of the International Tropical Timber Council and Associated Sessions of the Committees on Economic Information and Market Intelligence (CEM), Reforestation and Forest Management (CRF), Forest Industry (CFI) and Finance and Administration (CFA):

ITTC(XXV) & Committees (XXIII) – Yokohama, Japan, December 1998
ITTC(XXVI) & Committees (XXIV) – Chiang Mai, Thailand, May-June 1999
4. GI-10 Rules and Procedures Applying to ITTO Projects, 1999
5. GI-11 ITTO Manual for Project Formulation – Second Edition, 1999
6. GI-12 ITTO Manual for Project Monitoring, Review and Evaluation – Second Edition, 1999

ITTO Technical Series

7. TS-16 Report on the Impediments to Market Access for Tropical Timber [ITTC(XXVI)/9]
8. TS-17 Report on Downturn in the International Tropical Timber Market [ITTC(XXVII)/7]

ITTO Policy Development Series

9. PS-9 Manual for the Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forest – Part A / National Indicators
10. PS-10 Manual for the Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forest – Part B / Forest Management Unit Indicators

Pre-Project Publication

11. PPR 53/99 Development and Implementation of the Forestry Statistics Information System (Philippines)

Project Publications

12. PD 107/90 (I) Strategies for Sustainable Wood Industries in Sarawak
13. PD 171/91 Rev. 1 (F) Phase II Conservation and Management for Multiple Use and Development of Colombian Mangrove Swamps
 1. (Manual para el) Estudio de la dinámica de los bosques de manglar del Pacífico Colombiano
 2. Manual para la restauración de los bosques de manglar en áreas degradadas del Pacífico Colombiano
 3. Manual sobre dinámica de crecimiento, regeneración natural y aspectos fenológicos de los manglares del Caribe Colombiano
 4. Manual sobre técnicas de vivero y restauración de áreas de Manglar del Caribe Colombiano
 5. Diversidad Cultural y Manglares del Pacífico Colombiano
 6. Conservación y Uso Sostenible de los Manglares del Caribe Colombiano

14. PD 172/91 Rev.2 (F) Phase II The Recovery of Natural Systems of the Hillsides of Caqueta – Phase II
 1. Aproximación al Plan de Ordenamiento Territorial para el área de Influencia de la Laguna Guacochará
 2. Caracterización Preliminar y Propuesta de Zonificación para la Reserva Forestal de Itarca
 3. Plan de Ordenación y Manejo de la Microcuenca Quebrada El Arenoso
 4. Plan para el Manejo Ambiental de la Microcuenca Quebrada La Resaca
 5. Bases científicas, Técnicas y Socioculturales para el Plan de Manejo de un Cananguchal
 6. Desarrollo Agroforestal en el Piedemonte Caquetense
 7. Fichas Técnicas de Especies Vegetales (Florencia, Caquetá, República de Colombia, Abril 1999)
 8. Sistemas Agroforestales, Florencia, Caquetá, 1998
 9. Protección de Nacimientos de Agua
 10. Bosques para Leña (Dendroenergéticos)
 11. Preparación de Alimentos con el Fruto de Canangucha
 12. Sistemas Integrales para el Control de Erosión
 13. Enriquecimiento de Barbechos
 14. Cómo instalar un vivero
15. PD 8/92 Rev.2 (F) Study on the Growth of Native Species of Commercial Interest in Honduras
 1. Especies Maderables No Tradicionales del Bosque Humedo Tropical de Honduras, Tres Años de Investigación (1995-1997)
 2. Manual de Dendrología del Bosque Latifoliado, Segunda Edición
 3. Colección Maderas Tropicales de Honduras: Santa María, *Callophyllum brasiliense* Camb
 4. Colección Maderas Tropicales de Honduras: Varillo, *Symphonia globulifera* Linn. F.
 5. Colección Maderas Tropicales de Honduras: Rosita, *Hyeronima alchorneoides* Fr. All
 6. Colección Maderas Tropicales de Honduras: Marapolan, *Guarea grandifolia* Dc.
 7. Colección Maderas Tropicales de Honduras: Barba de Jolote, *Cojoba arborea* (L.) Brithand Rose
 8. Colección Maderas Tropicales de Honduras: Ceiba, *Ceiba pentandra* (L.) Gaerth
 9. Colección Maderas Tropicales de Honduras: Ciruelillo, *Astronium graveolens* Jack.
 10. Colección Maderas Tropicales de Honduras: Cortés, *Tabebuia guayacan* (Seem.) Hemsl.
 11. Colección Maderas Tropicales de Honduras: Granadillo Rojo, *Dalbergia glomerata* Hensl.
 12. Colección Maderas Tropicales de Honduras: San Juan de Pozo, *Vochysia guatemalensis* Donn. Smith.
16. PD 16/93 Rev.4 (M) Phase IV-1999 Tropical Timber Market Information Vol.4, No: 1-24
17. PD 33/93 Rev.1 (F) Conservation, Management, Harvesting and Integrated Sustained Use of Forests in the Chimanes Region, Beni, Bolivia – Phase I
 1. Diagnóstico Rural Participativo de Trece Comunidades Chimanes (Tomo I)
 2. Diagnóstico Rural Participativo de Trece Comunidades Chimanes (Tomo II)
 3. Propuesta de Normas y Método para Parcelas Permanentes en Bosque Remanente y No-Intervenido
 4. Interpretación de resultados del Inventario de la Mesa Remanente
 5. Concepto y Método de Abundancia Efectiva
 6. Principios de Silvicultura para el Bosque Chimanes
 7. Inventario de la Masa Residual en la Unidad 4 del Bosque Permanente de Producción de la Región Chimanes
 8. Manual de Tipificación de la Vegetación para el Manejo Sustentable del Bosque
 9. Economía Forestal y Comercialización de Productos Maderables del Bosque de Chimanes
 10. Alternativas Económicas en Base a Productos No Maderables en el Área del Bosque Chimanes
18. PD 5/94 Rev.3 (M) Development of a Computerized Information System for the Forestry Commission of Ghana
19. PD 34/94 Rev.1 (M) Establecimiento e Implantación de un Sistema de Información Estadístico Forestal (Colombia)

20. PD 20/95 Rev.2 (I) Chemical Modification of Bamboo Culms and Their Resistance to Weathering
 1. Chemical Modifications of Bamboo Culms and Their Resistance to Weathering
 2. Biological Studies on Bamboo Culms
21. PD 21/95 Rev.2 (I) Comprehensive Studies of the Structure and Properties of Rattans for Effective Utilization
 1. Structural Analysis on Rattan Stems
 2. Rattan Database (CD-ROM)
22. PD 24/95 Rev.1 (I) The Identification, Properties and Uses of the Tropical Timber Imported to China from Latin America
 1. Database of Tropical Timber in the Latin American Region (CD-ROM)
 2. Handbook of Tropical Timber in the Latin American Region
23. PD 27/95 Rev.3 (M) Establishment and Operation of a Forest Strategic Information (CIEF) Phase II, Stage I (Peru)
 1. Peru Forestal en Numeros Base de Datos Ejecutiva
 2. Region Agraria Loreto Anuario Estadístico Forestal 1998
 3. Region Agraria Madre de Dios Anuario Estadístico Forestal 1998
 4. Region Agraria San Martín Anuario Estadístico Forestal 1998
 5. Region Agraria Ucayali Anuario Estadístico Forestal 1998
 6. Compendio Estadístico Forestal 1998
 7. Boletín Informativo de Precios de Madera Rolliza y Aserrada I Semestre 1999
24. PD 39/95 Rev.1 (F) Institutional Strengthening for the Sustainable Management of Forest Plantations
 1. Guía para Plantaciones Forestales Comerciales: Tolima (CONIF: Serie de Documentación No.40, Santa Fe de Bogotá)
 2. Guía para Plantaciones Forestales Comerciales: Valle del Cauca (CONIF: Serie de Documentación No.41, Noviembre de 1998)
 3. Guía para Plantaciones Forestales Comerciales: Cauca (CONIF: Serie de Documentación No.32, Santa Fe de Bogotá, Noviembre de 1998)
 4. Guía para Plantaciones Forestales Comerciales: Cauca (CONIF: Serie de Documentación No.33, Santa Fe de Bogotá, Noviembre de 1998)
 5. Pautas par la Sostenibilidad de Plantaciones Forestales en Colombia
 6. Estimador de Crecimiento Forestal
 7. Modelo de Gestion Forestal Silvo
 8. Guía para Plantaciones Forestales Comerciales: Córdoba (CONIF: Serie de Documentación No.34, Santa Fe de Bogotá, Noviembre de 1998)
 9. Guía para Plantaciones Forestales Comerciales: Magdalena (CONIF: Serie de Documentación No.35, Santa Fe de Bogotá, Noviembre de 1998)
 10. Guía para Plantaciones Forestales Comerciales: Nariño (CONIF: Serie de Documentación No.36, Santa Fe de Bogotá, Noviembre de 1998)
 11. Guía para Plantaciones Forestales Comerciales: Norte de Santander (CONIF: Serie de Documentación No.37, Santa Fe de Bogotá, Noviembre de 1998)
 12. Guía para Plantaciones Forestales Comerciales: Orinoquia (CONIF: Serie de Documentación No.38, Santa Fe de Bogotá, Noviembre de 1998)
 13. Guía para Plantaciones Forestales Comerciales: Santander (CONIF: Serie de Documentación No.39, Santa Fe de Bogotá, Noviembre de 1998)
25. PD 3/96 Rev.2 (I) Development and Extension of Rubberwood Processing and Utilization Technology
26. PD 25/96 Rev.2 (M) China's Consumption of Forest Products and its Demand for Them in the International Market by the Year 2010

27. PD 1/97 Rev.1 (M) (Bolivia)
Implementation of a National Forest Statistical Information System
 1. Estadisticas de Exportacion de Productos Forestales Gestion 1998
 2. Informacion Forestal: Relacion Comparativa del Comercio Exterior de Productos Forestales Primer Semestre de 1998 - Primer Semestre de 1999
 3. Informacion Forestal: Definicion y Clasificacion de Productos Forestales según Mercado Interno y Externo
 4. Informacion Forestal: Patentes Forestales e Impuestos Fiscales Pagados por el Sector Forestal Periodo 1995-1998
 5. Boletin Informativo Diciembre 1998
 6. Boletin Informativo Junio 1999
 7. Boletin Informativo Noviembre 1999
28. PD 12/97 Rev.1 (F) The Bulungan Model Forest: "Reduced Impact Logging Guidelines for Lowland and Hill Dipterocarp Forests in Indonesia.
29. PD 12/98 Rev.2 (I) A Study on the Training Needs of the Technical Staff of WITC

Reports of Seminars, Workshops and other Meetings

30. SRS-35 III Plywood and Tropical Timber International Congress Proceedings, Belém, Brazil, 4-7 November 1997
31. SRS-36 Proceedings of the Workshop on Promotion of Non-Wood Forest Products in Thailand, Ubolrachatani, Thailand, 6-8 July 1999
32. SRS-37 International Training Workshop on Tropical Forestry and Timber Trade Statistics, Chennai, India, 16 Nov. – 4 Dec. 1998
33. SRS-38 International Training Workshop on Tropical Forestry and Timber Trade Statistics, Lomé, Togo, 29 Nov. – 17 Dec. 1999
34. SRS-39 Congreso Forestal Latinoamericano – Proceedings, 9-12 December 1999
Resulmenes de Trabajos Presentados, Tomo I
Conclusiones y Recomendaciones, Conferencias Magistrales, Tomo II
Mesa Redonda, Presentacion de Libros, Tomo III

ANNEX 4
Professional Members of the ITTO Secretariat
as at 31 December 1999

Dr. Manoel Sobral Filho
Executive Director

Dr. Svend Korsgaard
Assistant Director
Reforestation and Forest Management

Mr. Takeichi Ishikawa
Assistant Director
Management Services

Mr. Amha bin Buang
Assistant Director
Economic Information and Market Intelligence

Mr. Michael Adams
Market Information Service Coordinator
Economic Information and Market Intelligence

Dr. Steven E. Johnson
Statistician
Economic Information and Market Intelligence

Mr. Charas Mayura
Finance/Administration Officer
Management Services

Mr. Emmanuel Ze Meka
Projects Manager
Reforestation and Forest Management

Mr. John J. Leigh
Projects Manager
Reforestation and Forest Management

Dr. Douglas C. Pattie
Projects Manager
Forest Industry

Dr. Efransjah
Projects Manager
Reforestation and Forest Management

Dr. Hwan Ok Ma
Projects Manager
Forest Industry

Mr. Jairo Castaño Galvez
Systems Analyst
Economic Information and Market Intelligence

Mr. E. Collins Ahadome
Information Officer
Management Services

ANNEX 5

CONTRIBUTIONS RECEIVED TO THE SPECIAL ACCOUNT AND BALI PARTNERSHIP FUND IN 1999
(in United States Dollars)

	1999	1998
PRE-PROJECT SUB-ACCOUNT:		
AUSTRALIA	\$35,000.00	\$45,000.00
DENMARK		
FINLAND	\$3,000.00	
FRANCE	\$8,000.00	
JAPAN */	\$8,800,000.00	\$9,843,000.00
JAPAN (Forestry Agency)	\$15,500.00	
REP. OF KOREA	\$30,000.00	\$10,000.00
THE NETHERLANDS		
UNITED KINGDOM	\$106,600.00	\$15,000.00
UNITED STATES OF AMERICA	\$352,590.00	\$213,750.00
PRIVATE - OTHERS	\$411.53	\$446.35
Total:	\$9,351,101.53	\$10,127,196.35
PROJECT SUB-ACCOUNT:		
AUSTRALIA	\$73,000.00	\$86,333.00
CANADA		\$50,000.00
DENMARK		
FRANCE	\$18,696.41	
JAPAN	\$1,340,000.00	\$469,000.00
JAPAN (Forestry Agency)	\$1,913,272.92	\$984,465.26
REP. OF KOREA	\$20,000.00	\$20,000.00
THE NETHERLANDS	\$158,664.66	\$240,000.00
SWITZERLAND		\$2,000,000.00
UNITED KINGDOM	\$387,838.00	
UNITED STATES OF AMERICA	\$660,000.00	\$930,000.00
COMMON FUND FOR COMMODITIES	\$16,409.00	\$60,798.00
JLIA		\$38,881.63
PRIVATE - ITO YOKADO CORP.	\$82,270.67	\$80,842.77
PRIVATE - YORK MART	\$40,564.16	\$34,599.07
Total:	\$4,710,715.82	\$4,994,919.73
BALI PARTNERSHIP FUND:		
Unearmarked Fund		
UNITED STATES OF AMERICA	\$100,000.00	-
Interest Earned from Special A/C in 1999	\$3,526,882.27	-
Interest Earned from Bali Partnership Fund in 1999	\$1,559,933.97	-
Earmarked Fund		
	Nil	-
Total:	\$5,186,816.24	

*/ Part of funds were later allocated to Project Sub-Account and Bali Partnership Fund

**ANNEX 6
WORK PROGRAMME FOR 2000**

INTERNATIONAL TROPICAL TIMBER COUNCIL (ITTC)

ADMINISTRATIVE ACTIVITIES

Activity	Implementation Approach and Cost Implications
(i) Continue and conclude the work on intellectual property rights [ITTC Decision 10(XXII)] and ITTC report contained in document ITTC(XXIV)/19.	Regular Sessions' work. Supplementary work through an intersessional panel may be needed, with estimated costs amounting to US\$40,000 – US\$60,000.
(ii) Hold two regular sessions (the Twenty-eighth in Peru from 24 to 30 May 2000, and the Twenty-ninth in Yokohama, Japan from 30 October to 4 November 2000) [ITTA, 1994, Article 9].	Routine. Regular Sessions' work.
(iii) Consider and approve the Organization's administrative budget for the Year 2001, and assess the contribution of each Member [ITTA, 1994, Article 19 (3)].	Routine. Regular Sessions' work.
(iv) Appoint independent auditors for the purpose of auditing the accounts of the Organization for the 2000 financial year [ITTA, 1994, Article 23 (1)].	Routine. Regular Sessions' work.
(v) Review the frequency and duration of the Sessions of Council and Committees [Decisions 5(XXII) and 4(XXVI)].	Routine. Regular Sessions' work. Supplementary work through an intersessional panel may be needed, with estimated costs amounting to US\$40,000 – US\$60,000
(vi) Continue to monitor the resources of the "translation costs" component in the Programme Support Fund [Decision 7(XXVI)].	Routine. Regular Sessions' work.
(vii) Consider and, if appropriate, take action, the results of the work of the CFA on Members arrears to the Administrative Account.	Routine. Regular Sessions' work.
(viii) Consider the results of discussions of the Committee on Finance and Administration on the Organization's information policy, strategy and work, and if appropriate take follow-up action.	Routine. Regular Sessions' work. Eventual decision on follow-up actions may have additional cost implications.

PROJECT ACTIVITIES

Activity	Implementation Approach and Cost Implications
(i) Consider proposals to modify the ITTO Manual for Project Formulation, 1999 and the ITTO Manual for Project Monitoring, Review and Evaluation, 1999 [Decision 2(XXVI), IAG 4: para 8].	Regular Sessions' work.
(ii) Decide on eligibility of approved actions, projects and pre-projects for funding out of sub-accounts A and B of the Bali Partnership Fund [ITTA, 1994, Article 21, IAG 4: para 3,4].	Routine. Regular Sessions' work.
(iii) Decide on project work, including financing, taking into account the recommendations made by the Committees on project proposals and on-going and completed approved projects [ITTA, 1994, Articles 20, 21 and 25].	Routine. Regular Sessions' work.
(iv) On the advice of the Committee on Finance and Administration make allocations from unearmarked funds available in the Bali Partnership Fund and/or Special Account to fund implementation of eligible approved actions, projects and pre-projects [IAG 4: para 4].	Routine. Regular Sessions' work.
(v) Consider and, if appropriate, take action to revise Decision 2(X) and to improve the Organization's work related to ex-post evaluation of projects.	The Secretariat and the three technical Committees will carry out preparatory work to assist Council subsequent consideration of the issue at its regular Sessions.

STRATEGIC POLICY ACTIVITIES

Activity	Implementation Approach and Cost Implications
(ix) Conclude any outstanding matters arising from ITTC Decision 4(XXII) related to Article 16 of the ITTA, 1994 concerning the appointment of the Executive Director.	Regular Sessions' work.
(x) Review experience to date from selection processes for the position of the Executive Director.	Regular Sessions' work (Twenty-eighth Session). Supplementary work through an intersessional panel may be needed, with estimated costs amounting to US\$ 40,000.00 –60,000.00.
(xi) Commence consideration of extension, renegotiation or termination of the ITTA, 1994 [Article 46].	Regular Sessions' work.
(xii) Commence consideration of the review of the scope of the ITTA, 1994 [Article 35].	Regular Sessions' work.
(xiii) Decide on format presentation and type of information Members shall furnish on timber, its trade and the activities aimed at achieving sustainable management of timber producing forests [ITTA, 1994 Article 29 (a)].	Regular Sessions' work.

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| <p>(xiv) Promote the exchange of views among Member countries regarding:</p> <ul style="list-style-type: none"> ➤ The status of sustainable management of timber producing forests and related matters in Member countries; ➤ Resource flows and requirements in relation to objectives, criteria and guidelines set by the Organization. [ITTA, Article 30 (4)] | <p>Regular Sessions' work.</p> |
| <p>(xv) Continue to monitor developments related to the prevention and management of forest fire [ITTC Decision 8(XXIV)] and decide on follow-up actions as appropriate [IAG 4: para 11].</p> | <p>Regular Sessions' work. Eventual decision on follow-up actions may have additional cost implications.</p> |
| <p>(xvi) Consider the results of the field testing of and training workshops on the "Manual for Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forests"; and review the Manual as appropriate [ITTC Decision 3(XXVI), IAG 4: para 7].</p> | <p>Regular Sessions' work.</p> |
| <p>(xvii) Review the results of the study on the sustainability of tropical forests [Decision 9(XXVI)], and consider follow-up action as appropriate.</p> | <p>Regular Sessions' work. Eventual decision on follow-up actions may have additional cost implications.</p> |
| <p>(xviii) Review the progress made by:</p> <ul style="list-style-type: none"> ➤ Member countries towards achieving the Year 2000 Objective; and ➤ The ITTO in enhancing the capacity of Member countries to implement a strategy for achieving the Year 2000 Objective. [ITTC Decision 10(XXVI), IAG 4: para 6]. | <p>Regular Sessions' work.</p> |
| <p>(xi) Consider and, if appropriate, take action to follow-up on information provided by Members on the progress made with regard to market access for tropical timber as a possible means to facilitate sustainable forest management [ITTC Decision 9(XXVI)].</p> | <p>Regular Sessions' work. Eventual decision on follow-up actions may have additional cost implications.</p> |
| <p>(xv) Undertake the annual review and assessment of the international timber situation [ITTA, 1994, Article 30(a)].</p> | <p>Routine. Regular Sessions' work.</p> |
| <p>(xvi) Consider at the Twenty-eighth Session of Council information to be provided by Members, by 1 April 2000, on the issues arising in the forest and forest-product related international agenda, focusing on the role of ITTO and to maintain its relevance in the developing international agenda.</p> | <p>Regular Session. The Secretariat will request, compile and distribute this information to Members prior to the Twenty-eighth Session.</p> |
| <p>(xvii) Review the adequacy of the resources available in the Bali Partnership Fund and endeavour to obtain additional resources needed by producing Members to achieve the purpose of the Fund [ITTA, 1994, Article 21(5), IAG 4: para 4].</p> | <p>Routine. Regular Sessions' work.</p> |
| <p>(xviii) Consider and, if appropriate, take decision on actions to further strengthen cooperation between ITTO and IFF, FAO, UN/ECE and EUROSTAT [cooperation related to ITTC Decisions 6(XXII) and 6(XXV), and cross cutting strategies (section 2) in the Action Plan].</p> | <p>Routine. Regular Sessions' work.</p> |

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| (xix) | Arrange consultations on members' proposals to list internationally traded tropical timber species in the CITES Appendices that have been reported to the Secretariat since the last Session [Decision 3(XVI)]. | Routine. Regular Sessions' work. |
| (xx) | Consider the report of the Informal Advisory Group (IAG), in order to organize Session work [IAG 4: para 12]. | Routine. Regular Sessions' work. |
| (xxi) | Consider recommendations proposed in the report of the Fellowship Selection Panel. | Routine. Regular Sessions' work. |

ALL THREE TECHNICAL COMMITTEES

PROJECT ACTIVITIES

Activity	Implementation Approach and Cost Implications
(i) With the assistance of the Expert Panel for Technical Appraisal of Project Proposals, appraise relevant committee project and pre-project proposals submitted by Member countries [ITTA, 1994, Article 27(4)].	Routine. Regular Sessions' work.
(ii) With assistance of the ITTO Secretariat and independent consultants (as necessary), ensure effective monitoring and evaluation of approved projects in the relevant Committees [ITTA, 1994, Article 27(4)].	Routine. Regular Sessions' work. Decisions on implementation of ex-post evaluations may require additional funds.
(iii) Review the results of project work in the relevant committees and make recommendations to Council on ITTO's work program for the year 2001 [ITTA, 1994, Article 27(4)].	Routine. Regular Sessions' work.
(iv) In conjunction with the other two technical committees, the relevant committee to assess fellowship applications and decide on fellowships to be granted by ITTO under project PD 1/93 Rev.1 (M,F,I).	Routine. Regular Sessions' work.
(v) Consider project ideas and provide guidance to Member countries for the formulation of relevant committee project proposals which meet the priorities set in the Libreville Action Plan [CEM: Action Plan, section 3.1 goal 1 action 6, goal 2 action 8, and goal 3 action 4; CRF: Action Plan, section 3.2, goal 1 action 7, goal 2 action 5 and goal 3 action 6; CFI: Action Plan, Section 3.3 goal 1 action 6, goal 2 action 3, and goal 3 action 5].	Routine. Regular Sessions' work.
(vi) Consider and, if appropriate, take action to disseminate information on projects findings and results [ITTA, 1994, Article 27(4), Action Plan, section 2].	Routine. Regular Sessions' work.
(vii) Assist Council to review Section 7 in Annex 2 of Decision 2(X) on ex-post evaluations with a view to define a simple procedure for identifying projects or	Regular Sessions' work.

group of projects requiring ex-post evaluations and define a simple and cost effective procedure to carry out ex-post evaluations, including alternative ways for financing ex-post evaluation work.

STRATEGIC POLICY ACTIVITIES

Activity	Implementation Approach and Cost Implications
(i) Review the results of policy work in the relevant committees and make recommendations to Council on ITTO's work programme for the year 2001 [ITTA, 1994, Article 27(4)].	Routine. Regular Sessions' work.

COMMITTEE ON ECONOMIC INFORMATION AND MARKET INTELLIGENCE

STRATEGIC POLICY ACTIVITIES

Activity	Implementation Approach and Cost Implications
(i) Monitor the implementation and consider results of the study on the competitiveness of tropical timber and tropical timber products with timber and non-timber substitutes [Action Plan, section 3.1, goal 2, action 7].	Regular Sessions' work. Assumes terms of reference and cost estimates for the study will be proposed by the Committee and agreed upon by Council at its Twenty-seventh Session (1-6 November 1999).
(ii) Continue monitoring of development of forest certification and timber labeling [Action Plan, section 3.1, goal 3].	Regular Sessions' work.
(iii) Consider and make recommendations to Council on future actions to further cooperate with FAO, UN/ECE, and EUROSTAT to improve the availability of trade and economic data relevant to the global timber market and avoid duplication and overlap [Action Plan, section 3.1, goal 1 action 3].	Recommendations to be made by the Committee for approval by the ITTC at its Twenty-seventh Session (1-6 November 1999).
(iv) Propose ways to streamline the collection and dissemination of statistical data [Action Plan, section 3.1, goal 1 action 2].	Regular Sessions' work.
(v) In cooperation with industry and trade associations, organize and hold the ITTO 2000 Annual Market Discussions on the world tropical timber trade – during the Twenty-eighth Session of the ITTC, Peru, 24-30 May 2000 [Action Plan, section 3.1, goal 2, action 1].	Regular Session' work. The theme for the discussion to be finalized during the Twenty-fifth Session of the Committee (1-6 November 1999).
(vi) Monitor and analyze statistical data and other relevant information, including any information on undocumented trade [Action Plan, section 3.1, goal 1 action 2].	Routine. Regular Sessions' work.
(vii) Monitor the implementation and consider results of the study on the medium and longer term outlook for the tropical timber market [Action Plan, section 3.1, goal 2 action 2].	Routine. Regular Sessions' work. Assume terms of reference and cost estimates for the study will be proposed by the Committee and agreed upon by Council at its Twenty-seventh Session.

COMMITTEE ON REFORESTATION AND FOREST MANAGEMENT**STRATEGIC POLICY ACTIVITIES**

Activity	Implementation Approach and Cost Implications
(i) Update and revise the ITTO Guidelines on Sustainable Management of Natural Tropical Forest taking into account reduced impact logging, rehabilitation of degraded forests and forest lands, and management of secondary forests [CRF(XXIV)/14 Rev.1, item 9].	Regular Sessions' work. Assumes terms of reference and cost estimates for the initial work was proposed by the Committee and agreed upon by Council at its Twenty-seventh Session (1-6 November 1999).

COMMITTEE ON FOREST INDUSTRY**STRATEGIC POLICY ACTIVITIES**

Activity	Implementation Approach and Cost Implications
(i) Consider the results of initial work carried out to develop and publish guidelines on increasing utilization efficiency and the reduction of losses and waste throughout the production chain [Action Plan, section 3.3, goal 3, action 1].	Regular Sessions' work. Assumes terms of reference and cost estimates for the initial work proposed by the Committee will be agreed upon by Council at its Twenty-seventh Session (1-6 November 1999).
(ii) Review the status of tropical timber further processing in producer countries [Action Plan, section 3.3, goal 1, action 2].	Regular Sessions' work. Assumes terms of reference and cost estimates for the survey and consultancy work will be proposed by the Committee will be agreed upon by the Council at its Twenty-seventh Session (1-6 November 1999).

COMMITTEE ON FINANCE AND ADMINISTRATION**ADMINISTRATIVE ACTIVITIES**

Activity	Implementation Approach and Cost Implications
(i) Consider the working documents on intellectual property rights and make recommendations to Council on intellectual property rights [ITTC Decision 10(XXII)] and ITTC report contained in document ITTC(XXIV)/19.	Regular Sessions' work.
(ii) Make recommendations to Council on the appointment of auditors for the purpose of auditing the accounts of the Organization for the 2000 financial year [ITTA, 1994, Article 27(6)].	Routine. Regular Sessions' work.
(iii) Review the independent audited statement for the 1999 financial year [ITTA, 1994, Article 27(6)].	Routine. Regular Sessions' work.

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| (iv) | Examine and make recommendations to the Council regarding the approval of the Organization's administrative budget proposals for the year 2001 [ITTA, 1994, Article 27(6)]. | Routine. Regular Sessions' work. |
| (v) | Review the assets of the Organization to ensure prudent asset management and that the Organization has sufficient reserves to carry out its work. [ITTA, 1994, Article 27(6)]. | Routine. Regular Sessions' work. |
| (vi) | Examine and make recommendations to the Council on the budgetary implications of the Organization's annual work programme, and the actions that might be taken to secure the resources needed to implement it [ITTA, 1994, Article 27(6)]. | Routine. Regular Sessions' work. |
| (vii) | Continue its work with a view to make recommendations to Council on the Organization's information Policy, strategy and work. | Routine. Regular Sessions' work. |

SECRETARIAT

The Secretariat through the Executive Director is responsible for the day-to-day running and administration of the Organization and for preparations for meetings. The proposed work for the Secretariat in 2000 is as follows:

- (i) Preparation for Sessions of Council and Committees, including the drafting and arrangements for translation and distribution of necessary documents.
- (ii) Service Council and Committees during Sessions scheduled in 2000.
- (iii) Organize and provide assistance to two meetings of the Expert Panel for Technical Appraisal of Project Proposals in 2000.
- (iv) Organize and assist the work of panels and working groups decided by the Council on an *ad hoc* basis.
- (v) Carry out statistical work and preparation of draft Annual Review and Assessment of the International Timber Situation.
- (vi) Carry out project monitoring and evaluation work needed to assist the ITTO Committees' task of ensuring appropriate monitoring/evaluation of ITTO financed pre-projects and projects (116 operational pre-projects and projects as of September 1999).
- (vii) Assist Committees and Council to review Section 7 in Annex 2 of Decision 2(X) on ex-post evaluations with a view to define a simple procedure for identifying projects or group of projects requiring ex-post evaluations and define a simple and cost effective procedure to carry out ex-post evaluations, including alternative ways for financing ex-post evaluation work.
- (viii) Preparation of draft 2000 Annual Report of the Organization.
- (ix) Prepare a proposal for the Administrative budget for the Year 2001.
- (x) Take the necessary actions for printing, translation and dissemination of ITTO publications.
- (xi) Represent and provide for ITTO contribution in meetings, conferences, seminars and other activities implemented by relevant cooperating agencies and forums such as the Common Fund for Commodities, UN/ECE, UNCTAD, WTO, FAO, CITES, IFF, World Bank, IUFRO, GEF, UNFCCC, IUCN, ATO, etc.

- (xii) Implement (or arrange for implementation as appropriate), pre-projects, projects and activities placed under the Secretariat's responsibility by the Council, including:
- a. ITTO Fellowship Programme
 - b. Project PD 73/89 (M,F,I)
Assistance for Project Identification and Formulation
 - c. Project PD 17/93 Rev.3 (M,F,I)
ITTO Network for Information Sharing and Project Support
 - d. Project PD 16/93 Rev.4 (M) IV
Market Information Service for Tropical Timber and Timber Products
 - e. Assisting the organization of the ITTO 2000 Annual Market Discussion
 - f. Project PD 58/97 Rev.1 (I)
The Establishment of the Database of Tropical Industrial Lesser Used Wood Species
 - g. Project PD 25/95 Rev.1 (M)
Training Workshops on Tropical Forestry and Timber Trade Statistics
 - h. Pre-Project PPD 8/93 (F)
Demonstration Areas for Sustainable Management of Production Forests
 - i. Pre-Project PPD 50/91 (I)
Provision of Assistance for Reassessment and Reformulation of Zairian Project Proposals PD 205/91 (I) "National Saw Maintenance Centre", and PD 209/91 (I) "Study of Zairian Timber with a View to Promoting Certain Species"
- (xiii) Providing and facilitating access to relevant information and knowledge contained in ITTO publications and project findings.
- (xiv) Carrying out any other tasks decided by Council on an *ad hoc* basis through Decisions adopted. These tasks include, *inter alia*, the following activities approved by Council:
- Engage consultants and undertake a study on the assessment of the sustainability of tropical forests [Decision 9(XXVI)].
 - Engage consultants and make arrangements for the preparation of reports needed for the Council preliminary review of progress towards achieving the Year 2000 Objective [Decision 10(XXVI)].
 - Organize four regional workshops to train the trainers for the wide use and implementation of the Manual for the Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forests [Decision 3(XXVI)].
 - Engage consultants and arrange for the field test of the Manual for the Application of Criteria and Indicators for Sustainable Management of Natural Tropical Forests [Decision 3(XXVI)].