



ITTO

**INTERNATIONAL TROPICAL
TIMBER COUNCIL**

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DRAFT ANNUAL REPORT FOR 1995

(Item 18 of the Provisional Agenda)

Note: **Annual Report Change of Format**

In order to bring ITTO's Annual Report more into line with the styles adopted by other international commodity organizations, the report for 1995 utilizes an abbreviated format for the presentation of the work of the Permanent Committees. The large number of projects is the distinguishing feature of ITTO compared to other commodity organizations, and descriptions of each project have comprised the bulk of the previous Annual Reports. Readers needing more detailed information on each project are referred to the Council Reports, and those requiring more information on world trade in tropical forest products to ITTO's Annual Review.

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1. ORGANIZATION, ADMINISTRATION AND SUMMARY OF ACTIVITIES

1.1 MEMBERSHIP

The Government of Fiji acceded to the International Tropical Timber Agreement 1983, on 9 August 1995 and thus became the fifty-third member of the Organization and its twenty sixth Producer member. ITTO's membership accounted for over 80% of the area of the world's closed moist tropical hardwood forests and more than 95% of the international tropical timber trade. As at 31 December 1995, the fifty-three members of the ITTO were as follows:

MEMBERS

PRODUCERS

Africa

Cameroon
Congo
Côte d'Ivoire
Gabon
Ghana
Liberia
Togo
Zaire

Asia & Pacific

Fiji
India
Indonesia
Malaysia
Myanmar
Papua New Guinea
Philippines
Thailand

Latin America/Caribbean

Bolivia
Brazil
Colombia
Ecuador
Guyana
Honduras
Panama
Peru
Trinidad and Tobago
Venezuela

CONSUMERS

Asia

China
Japan
Nepal
Republic of Korea

Europe

European Union
Austria
Belgium/Luxembourg
Denmark
Finland
France
Germany
Greece
Ireland
Italy
Netherlands
Portugal
Spain
Sweden
United Kingdom
Norway
Russian Federation
Switzerland

North Africa

Egypt

North America

Canada
United States of America

Oceania

Australia
New Zealand

The status of members as of 31 December 1995 in terms of ratification, acceptance, approval and accession is summarized in Annex 1.

1.2 INTERNATIONAL TROPICAL TIMBER COUNCIL

1.2.1. Officers of the Council

At the Seventeenth Session, the Council had elected Dr. Rubén Guevara Moncada (Honduras) and Mr. Don Wije-wardana (New Zealand) as its Chairman and Vice-Chairman respectively for 1995. Decisions on both these appointments were unanimous. During the year under review, Mr. Ian Symons (U.K.) Served as Spokesperson for the Consumer Group at the Eighteenth Session of the Council. He was succeeded by Mr. David Drake (Canada) who served as Spokesperson for the Consumer Group at the Nineteenth Session. Mr. Amha Buang (Malaysia) continued to be Spokesperson of the Producer group throughout the year.

1.2.2 The Eighteenth Session of the Council

The Eighteenth Session of the ITTC was held in Accra, Ghana from 10 to 18 May 1995. The Session was attended by 45 ITTO Members and 27 Observers from states, U.N. bodies and specialized agencies, inter-governmental and non-governmental organizations, the latter representing conservation groups and timber trade associations among others.

The Session was chaired by Dr. Rubén Guevara Moncada, Chairman of the Council, with the closing Session chaired by the Vice-Chairman, Mr. Don Wije-wardana. The President of the Republic of Ghana, H. E. Flt. Lt. Jerry John Rawlings made a speech of welcome, and his Minister, H.E. Kwabena Adjei, Minister for Lands and Forests, also officiated at the opening ceremony.

Voluntary contributions announced included US\$ 16.15 million from Japan, of which US\$9 million was reserved for the Bali Partnership Fund, 1 million Swiss Francs from Switzerland, and US\$ 60,000 from Norway.

1.2.3. Nineteenth Session of the Council

The Nineteenth Session of the ITTC was held in Yokohama, Japan from 8 to 16 November 1995. The Session was attended by 43 ITTO Members and 27 Observers from states, U.N. bodies and specialized agencies, inter-governmental and non-governmental organizations, the latter representing conservation groups and timber trade associations among others.

The Session was chaired by Dr. Rubén Guevara Moncada, Chairman of the Council, and in the latter part, by Mr. Don Wije-wardana, the Vice-Chairman.

Discussions on the 1995 Review of Progress towards ITTO's Year 2000 Progress Reports were held, and Members received a number of reports.

The Council unanimously approved the appointment of Mr. Don Wije-wardana (New Zealand) as Chairman for 1996, and H.E. Mr. Wisber Loeis (Indonesia) as Vice-Chairman.

Voluntary contributions announced included US\$ 1 million Swiss Francs from Switzerland.

1.3 THE PERMANENT COMMITTEES

1.3.1. Officers of the Permanent Committees

During 1995, Mr. Michael Martin (U.S.A.) and Dr. Achmad Sumitro (Indonesia) served as Chairman and Vice-Chairman respectively of the Permanent Committee on Economic

Information and Market Intelligence. At its Seventeenth Session, the Committee elected Dr. Achmad Sumitro as Chairman and Mr. Geoffrey Pleydell (U.K.) as Chairman and Vice-Chairman for 1996.

Mr. Derk de Groot (Netherlands) and Dr. Angel Murillo (Honduras) served as Chairman and Vice-Chairman respectively of the Permanent Committee on Reforestation and Forest Management during the year. At its Seventeenth Session, the Committee elected Ing. Angel Murillo and Dr. Jürgen Blaser (Switzerland) as Chairman and Vice-chairman for 1996.

Mr. Jean Williams Sollo (Cameroon) chaired the Permanent Committee on Forest Industry throughout the year and Mr. Young-han Kim (Korea) served as its Vice-Chairman. At its Seventeenth Session, the Committee elected Mr. Young-han Kim to the Chair for 1996 and Mr. Bile-Allogho Joachim (Gabon) as Vice-Chairman .

1.3.2 Sixteenth Sessions of the Three Permanent Committees

These Sessions were held in conjunction with the Eighteenth Session of the Council in Accra, Ghana, from 8-16 May 1995.

The three Committees technically appraised a total of 19 projects and pre-projects and recommended that 13 projects and pre-projects be approved by Council. As usual, the Committees reviewed projects and pre-projects under implementation and received reports on those that had been completed.

The Fellowship Selection Panel, composed of the Chairmen and Vice-Chairmen of the Committees, and chaired by the Vice-Chairman of the Council, considered 82 applications under project PD 1/93 Rev.1 (M,F,I) and proposed the names of 26 awardees to the Council for its approval.

1.3.3 Seventeenth Sessions of the Three Permanent Committees

These Sessions were held in conjunction with the Nineteenth Sessions of the Council in Yokohama, Japan, from 8 to 16 November 1995.

The Annual Market Discussions, held under the auspices of the Permanent Committees in Joint Session, addressed the theme "Substitution as it Affects the International Tropical Timber Trade".

With a view to streamlining their work, the three Committees technically appraised only those projects and pre-projects recommended for their consideration by the Expert Panel, a total of 22 projects and pre-projects, 21 of which were recommended to the Council for its approval. The Committee also reviewed projects and pre-projects under implementation and received reports on those that had been completed.

The Fellowship Selection Panel considered 120 applications under project PD 1/93 Rev.1 (M,F,I) and proposed the names of 36 awardees to Council for its approval.

1.4 SUMMARY OF PROJECTS, PRE-PROJECTS AND OTHER APPROVED ACTIVITIES

Table 1. Summary of Projects, Pre-Projects, and other Approved Activities Funded in 1995
(In United States Dollars)

	PROJECTS		PRE-PROJECTS		ACTIVITIES		TOTAL	
	No.	ITTO Funding	No.	ITTO Funding	No.	ITTO Funding	No.	ITTO Funding
Economic Information & Market Intelligence	1	298,400	4	719,032	--	--	5	1,018,332
Reforestation and Forest Management	18	13,588,446	2	406,228	--	--	20	13,994,674
Forest Industry	5	2,330,469	--	--	--	--	5	2,330,469
Council	--	--	--	--	9	2,040,680	9	2,040,680
TOTAL	24	16,217,315	6	1,126,160	9	2,040,680	39	19,384,155

Note: Activities approved by the Council include the bi-annual Expert Panels for the Technical Appraisal of Project Proposals, other Panels and Working Groups with specific objectives e.g. preparation of Guidelines, and major consultancy assignments.

Recommendations from the Permanent Committee for Reforestation and Forest Management constituted most of Council's project approvals during the year.

1.5 PROGRESS TOWARDS THE COMING INTO FORCE OF THE ITTA, 1994

Decision 1 (S-11) of the Council on 21 January 1994 permitted the ITTA, 1983 to continue in operation until such time as the ITTA, 1994 should come into force. As at 31 December, 1995, the position of the ITTA, 1994 (signatures, provisional application, ratification, definite signature) was as shown in Annex 3.

1.6 OTHER ACTIVITIES

The Ninth and Tenth Expert Panels for Technical Appraisal of Project Proposals were held in Yokohama from 20 to 24 February and from 21 to 25 August 1995 respectively. Both Panels were chaired by Mr. Emmanuel Siisi-Wilson (Ghana)

Annex 3 lists new ITTO publications for 1995. The Organization continued to make these widely available on an economical basis. ITTO's quarterly newsletter "Tropical Forestry Update", whose editor is based in Yokohama has a worldwide circulation of 5,200 copies in English, French and Spanish. In November, preparations began for the creation of the Market Information Service (M.I.S), based at ITTO's Headquarters in Yokohama. The first activity under the M.I.S. programme was the "Tropical Timber Market Information" bulletin, which replaced the former Market News Service. Both publications are activities under Project PD 16/93 Rev.4 (M).

ITTO had closely followed post-UNCED developments, in particular the inaugural work of the UNCED Intergovernmental Panel on Forests (IPF), which the ITTC is assisting financially. The Secretariat attended meetings of the IPF and also meetings sponsored through diverse national or multilateral initiatives such as the Helsinki and Montreal Initiatives. The Organization often supported Producer country delegates to participate in these meetings as well.

1.7 SUMMARY OF THE WORLD TROPICAL TIMBER SITUATION

This summary provides data on production and trade of tropical forest products from the 1995 ITTO Annual Review and Assessment of the World Tropical Timber Situation (document GI-7/95). Data are presented up to 1995 based on projections made in the third quarter of that year. However, 1993 is used as the base year for all global comparisons as this is the latest year for which global data were available at the time of preparation.

Production of tropical saw and veneer logs in ITTO producer countries totalled 135.6 million m³ in 1993, a 3 percent decrease from 1992 levels. Log production decreased substantially through 1995, to just under 133 million m³, due almost entirely to decreases in Asia, primarily Malaysia. The proportion of logs domestically processed in Africa fell from 70 percent in 1992 to 63 percent in the 1993-95 period (largely due to increased log exports to Asia). The Asian figure for domestic processing grew from 84 to 87 percent over the same period and is expected to continue growing to over 90 percent. This reflects increasing populations, growing economies and the emphasis on exporting value-added products in this region. Latin American countries processed domestically virtually all tropical logs produced in 1993-95. Sawnwood production by ITTO producers totalled over 39.9 million m³ in 1993, down 3 percent from 1992 levels. This decrease was due to production falling throughout Asia and to a lesser extent Africa, which masked continuing production increases in Latin America. In 1994 sawnwood production increased to just under 40.3 million m³, where it remained in 1995. Tropical hardwood veneer production totalled just under 3 million m³ in 1993, a 45 percent increase from 1992 levels. This increase was due primarily to new capacity in Malaysia. Production remained close to 3 million m³ in 1994, before falling to under 2.7 million m³ in 1995 due to decreases in Malaysia. ITTO producer countries' plywood production rose by almost 8 percent in 1993, to 16.5 million m³. This increase was primarily due to growth in Malaysian plywood production. While Indonesia's plywood production declined in 1994 and 1995 (to 9.5 million m³) as limits on plant capacities and annual allowable cuts were reached, Malaysia's production rose rapidly to almost 4.5 million m³ in 1995 (over three times 1991 production levels) due to new plants to add value to logs from Sabah and Sarawak. ITTO consumer countries also produced substantial quantities of tropical timber products in 1993. Tropical China and Australia produced over 900 000 m³ of tropical logs, although Australia's output is declining. Consumer countries produced 2.9 million m³ of sawnwood, 0.5 million m³ of veneer and 7 million m³ of plywood, nearly all from imported tropical logs. Production levels of tropical sawnwood and particularly of tropical plywood in consumer countries dropped in 1994-95 as the supply of tropical logs continued to shrink.

Total ITTO producer country exports were worth \$11.7 billion in 1993, with Asia accounting for 84 percent of this total, Africa for 10 percent and Latin America for 6 percent. ITTO producer countries exported 16.8 million m³ of logs in 1993 worth \$2.6 billion, with Malaysia providing 56 percent of the total, down from over three-quarters in 1992. Log exports in 1993 were down 30 percent from 1992 levels as a result of a major drop in log exports from Sabah (due to an export ban) and Sarawak (due to a reduction in production brought about by implementation of the recommendations of the ITTO Mission). While Malaysian log exports continued declining in 1994-95, other suppliers in all three producing regions increased exports to result in a slight increase in total exports in 1994, before falling back to 16.1 million m³ in 1995. Sawnwood

exports were stable at 8.2 million m³ valued at almost \$3 billion in 1993, but declined sharply to 7.5 million m³ in 1994, and to 6.9 million m³ in 1995. Drops in Asian (primarily Malaysian) sawnwood exports account for these decreases. However, Malaysia remained the largest sawnwood exporter in 1993, accounting for 65 percent of the total volume of ITTO producer country exports. Malaysia's intention to stop all sawnwood exports from Peninsular Malaysia in favour of further processed products by 2000 will have profound impacts on the tropical timber trade. Veneer exports were stable in 1993 at 1.1 million m³ (valued at \$463 million), falling to 1 million m³ in 1994-95. Plywood exports from ITTO producer countries increased by 6.6 percent over 1992 levels, to 13 million m³ worth \$5.7 billion. This increase was due to continuing expansion in Malaysian exports which together with Indonesia constituted over 93 percent of the ITTO total in 1993. Continuing increases in Malaysian exports more than offset a decline in those from Indonesia, resulting in total producer exports of over 13.5 million m³ in 1995. Malaysia's share of total plywood exports by producer countries has risen from 11 percent in 1991 to 29 percent in 1995. ITTO consumer countries also exported or re-exported substantial quantities of tropical timber in 1993, led by sawnwood and plywood exports of 0.27 and 0.35 million m³ respectively. Log and veneer exports by consumer countries are smaller (88 000 and 47 000 m³ respectively in 1993), but both increased by over 40 percent in 1994-95, reflecting regional increases in demand for these products in Europe, where the majority of the trade in tropical timber products between consumer countries occurs. These products are likely to undergo the same declining trend already in evidence for exports of tropical sawnwood and plywood by consumer countries. The total value of exports by consumer countries in 1993 was \$365 million, bringing the ITTO total export value figure to over \$12 billion.

Total consumer country imports of tropical timber products in 1993 were worth \$12.4 billion, with Japan (41 percent), the European Union (EU - 24 percent), China - including Taiwan Province of China - (18 percent) and Korea (10 percent) the main importers by value. Producer country imports of tropical timber products exceeded \$1 billion for the first time in 1993, giving a total ITTO import value of \$13.4 billion. Thailand (70 percent) and the Philippines (12 percent) were the main producer country importers.

Tropical hardwood log imports by ITTO consumer countries fell by almost 27 percent to 16.7 million m³, worth \$4.1 billion, in 1993. If imports by producing members are taken into account, total 1993 tropical log imports by ITTO members were 19.3 million m³ (valued at almost \$4.5 billion), 26 percent less than in 1992. The 1993 total log import figure is almost 2.5 million m³ greater than total ITTO exports, with the shortfall presumably made up by non-suppliers (including Indochina, the Solomon Islands and several relatively minor African log exporters), although under-reporting of log exports or misclassification of imports may also be a factor. This gap decreased to 1.2 million m³ in 1994 and to 1 million m³ in 1995. Japan maintained its position as the dominant importer of tropical logs in 1993, accounting for 50 percent of all consumer country log imports, despite a drop in imports of almost 25 percent in 1993 to 8.3 million m³. Japanese tropical log imports dropped further to 7.6 million m³ in 1994, and continued to slide to 6.5 million m³ in 1995. Thailand and the Philippines are the major ITTO producing country log importers, at 1.6 million m³ and 0.6 million m³ respectively in 1993. Imports by both countries declined through 1995.

Japan's imports of 1.8 million m³ of tropical sawnwood in 1993 rose by 45 percent from 1992 levels, partially offsetting lower log imports. Japan overtook Thailand (1.7 million m³) as the main tropical sawnwood importer in 1993. Japan's imports declined to 1.5 million m³ in 1995, however, while Thailand's grew to 2.5 million m³. Thailand will continue to be a major market for tropical sawnwood in the next few years, but will have to restructure its industry as exports from Malaysia (its main supplier) are reduced. In contrast to Thailand, almost all other major importing countries had relatively stable or declining imports of tropical sawnwood through 1995. The increase in total ITTO tropical sawnwood imports of nearly 17 percent (to over

10 million m³ valued at almost \$3.6 billion) in 1993 is primarily attributable to the increases in Japanese and Thai imports, which more than offset the steady decline in European imports. Total ITTO imports remained relatively stable at just under 10 million m³ in 1994 and 1995, more than 2 million m³ over total ITTO exports of tropical sawnwood in these years, with the gap explained by the same factors given for logs.

Total ITTO veneer imports were up 15 percent in 1993, to 1.1 million m³ valued at \$367 million. Total imports dropped back to around 960 000 m³ in 1994-95. The People's Republic of China (PRC - 287 000 m³) with Taiwan Province of China (TCP - 204 000 m³) remained the dominant importer of tropical veneer in 1993. Aggregate imports to PRC and TCP dropped to less than 400 000 m³ in 1994, before increasing again to 440 000 m³ in 1995. Japan (until 1992 ITTO's largest veneer importer) absorbed 45 percent less tropical veneer in 1995 than in 1993, with substantial restructuring underway in its wood panels industry.

Tropical plywood importers continue to be led by Japan, which absorbed almost 3.9 million m³ in 1993, up 34 percent from 1992. Japan's imports made up 41 percent of total ITTO imports of 9.5 million m³ (valued at almost \$4.8 billion) in 1993. Tropical plywood imports fell to 8.9 million m³ in 1994 due to decreases in Japan, Europe and the USA. Most of these markets recovered in 1995 and total ITTO imports rebounded to 9.2 million m³. In contrast to logs and sawnwood, total ITTO imports of veneer and plywood have been consistently lower than total ITTO exports of these products.

Real prices for most primary tropical hardwood products exhibited declining trends during 1993-95, although there were significant fluctuations in prices in many cases. Asian log and sawnwood prices increased significantly at the beginning of 1993 as wood shortages became apparent. Prices had returned to mid-1992 levels by the end of 1993 in most cases. Plywood prices declined steadily during 1994, but generally exhibited a positive trend in 1995. Prices for all products and regions in 1993-95 were somewhat volatile due to exchange rate variations, consumer stockpiles and general economic conditions.

1.8 THE SECRETARIAT

Three professional staff members joined the Secretariat in 1995. Dr. Svend Korsgaard entered on duty on 1 July 1995 as Assistant Director for Reforestation and Forest Management and Dr. Michael Adams on 23 October 1995 as M.I.S. Coordinator. Dr. Adams' post is funded by the Project PD 16/93 Rev.4(M). On 1 September 1995, Dr. Roslan Ismail joined the Organization on secondment to the Inter-Governmental Panel on Forests at the United Nations in New York for two years. During the year two professional staff separated from service with the Organization, Mr. Charles L. Vanpraet (formerly Assistant Director for Reforestation and Forest Management) on 11 April 1995, and Mr. Gary Burniske (formerly Conservation Officer) on 31 March 1995. In April 1995, two internal transfers took place. Mr. T. Ishikawa, formerly Projects Manager, Forest Industry, transferred to Management Services as the Organization's first Information Officer, and Mr. J.J. Leigh, formerly Systems Analyst in the division of Economic Information and Market Intelligence, transferred to Reforestation and Forest Management as the Conservation Officer.

One General Service staff member joined and one left the Secretariat during the year. Mr. Robert Kenny was appointed as Research Assistant in the Reforestation and Forest Management Division on 1 September 1995, replacing Ms. Rowena Ulayan, who separated from service on 28 February 1995.

As always, the Secretariat enjoyed the full support of the Government of Japan and the City of Yokohama through the provision of office accommodation, facilities, and equipment. Both Council Sessions also benefitted from the same sources. Moreover, a staff member from the City of Yokohama accompanied Secretariat staff in October 1995 to assist them on the preparation mission for the 1996 overseas Council Session. The City of Yokohama also funds three General Services staff on secondment to the Organization on a rotating basis.

The Secretariat maintained its international nature, with staff of fifteen different nationalities from every continent employed during 1995, when the average total staff complement was twenty-eight. The approved administrative budget for 1995 was US\$ 4.12 million

2. ECONOMIC INFORMATION AND MARKET INTELLIGENCE

2.1. PROJECT ACTIVITIES

The Permanent Committee reviewed five project and five pre-project proposals which were recommended for its consideration by the Ninth and Tenth Sessions of the Expert Panel for Technical Appraisal of Project/Pre-Project Proposals in 1995. These were:

PD43/94 Rev.2 (M)	Market Intelligence: Tropical Timber Market Information System (The Netherlands)
PD50/94 Rev.2 (M)	Selection and Introduction of Lesser-Known and Lesser-Used Species for Specific End-Uses - Phase IV (The Netherlands)
PD1/95 Rev.2 (M)	Training Development on Assessment of Sustainable Forest Management in Indonesian (Indonesia)
PD25/95 Rev.1 (M)	Training Workshops on Tropical Forestry and Timber Trade Statistics (ITTO)
PD27/95 Rev.1 (M)	Establishment and Operation of a Forest Strategic Information Center (CIEF) (Peru)
PPD4/95 Rev.1 (M)	Management and Utilization of the "Paca" (<i>Guadua sarcocarpa</i>) (Peru)
PPD7/95 (M)	Creation of a National System for the Collection and Processing of Congo Forestry Statistics (Congo)
PPD10/95 Rev.1 (M)	Analysis of Macroeconomic Trends in the Supply and Demand of Sustainably Produced Tropical Timber from the Asia-Pacific Region - Phase III (ITTO)
PPD12/95 Rev.2 (M)	Evaluation and Enhancement of ITTO's Statistical Functions and Networks (Japan)
PPD13/95 Rev.1 (M)	Creation of a Structure for Research, Collection and Publication of Economic Information with the View to Establish a Sustainable Database on the Marketing of Timber in Cameroon (Cameroon)

Of these, two projects (PD50/94 Rev.2 (M) and PD25/95 Rev.2 (M)) and all five pre-projects were approved by the Committee. With funding secured for the five pre-projects in 1995, there were altogether six operational projects and six operational pre-projects by the end of 1995. Details of progress in the implementation of these, as well as summaries of the two approved projects, still awaiting funding and which have not lapsed under ITTO's sunset provision, are contained in the Appendix to this report.

The project PD1/95 Rev.2 (M) was not approved by the Committee as members requested more time to comment on the draft proposal. Indonesia indicated that a revised proposal would be submitted in 1996. Similarly, PD27/95 Rev.1 (M) (the project arising from pre-project PPD5/94 (M) "Implementation of a Forest Statistical Information System") will be re-submitted to the Committee in 1996, following further review by the Expert Panel. PD43/94 Rev.2 (M) was withdrawn by the submitting government and a revised version may be re-submitted subsequently to the Committee.

During 1995, the Committee also monitored the progress of work under two ITTO approved activities arising from Council Decision 2(XVI), namely "Study of the Developments in the Formulation and Implementation of Certification Schemes for All Internationally Traded Timber and Timber Products" and "Study of Markets and Market Segments for Certified Timber and Timber Products". The two Studies are designed to provide ITTO Members with up-to-date information to enable them assess developments on the rapidly evolving issue of timber

certification. Both Studies will be considered during the Twentieth Session of the Council in Manila, Philippines in May 1996.

The Committee also received reports on six completed projects and one completed pre-project in 1995. These are:

PD 31/92 Rev.1 (M)	Selection and Introduction of Lesser-Known and Lesser-Used Species for Specific End-Uses - Phase III (The Netherlands)
PD 27/92 Rev.1 (M)	Development of an Information System for Tropical Timber Properties to Promote Appropriate Use of More Species (PROSPECT database) (United Kingdom)
PD 9/93 Rev.1 (M)	Market Intelligence: Tropical Timber Market Information System (The Netherlands)
PD 27/93 Rev.2 (M)	Training Workshops on Tropical Forestry and Timber Trade Statistics - Phase II (ITTO)
PD 28/93 Rev.3 (M)	Analysis of Macroeconomic Trends in the Supply and Demand of Sustainably Produced Tropical Timber from the Asia-Pacific Region - Phase II (Japan)
PD 24/94 Rev.1 (M)	Blueprint for Adapting the Foreign Trade Registration System at the ITTO National Level (The Netherlands)
PPD 5/94 (M)	Implementation of a Forest Statistical Information System (Peru)

Further details on these are included in the Annex 1 of this report.

2.2. NON PROJECT ACTIVITIES

i) Market Discussion

The 1995 Market Discussion took place on 11 and 12 May 1995 at a joint session of the three Permanent Committees during the Eighteenth Session of the Council in Accra, Ghana. The theme was "Substitution as it Affects the International Tropical Timber Trade". There were invited speakers from North America, South-East Asia, Japan, Africa, Europe and Latin America.

ii) Annual Review

The 1995 Annual Review and Assessment of the World Tropical Timber Situation took place during the Nineteenth Session of the Council in Yokohama in November 1995. Discussions were based on the background document prepared by the Secretariat, "Elements for the Annual Review and Assessment of the World Tropical Timber Situation 1995". At the close of discussions, Members were given until 31 December 1995 to submit revisions to the document.

iii) Statistical Coordination

In 1995, the ITTO Secretariat participated in two meetings of the Intersecretariat Working Group on Forest Sector Statistics. The Working Group provides a forum for regular liaison and coordination of work with the component secretariats of organizations (ECE/FAO, Eurostat, EU, FAO and OECD) involved in the collection and dissemination of forest and timber trade statistics.

2.3. STATISTICAL AND COMPUTER OPERATIONS

i) Data Processing - Hardware

EIMI Statistical Unit Hardware

The computing resources of the statistical unit are as follows:

Statistician: IBM PC750-P90
 Statistical Assistant: AST Bravo MS P/100
 MIS Coordinator: COMPAQ PROLINEA 590
 HP LaserJet 4V
 Fuji Xerox Telecopier 750

The statistical unit currently subscribes to two on-line services that permit electronic retrieval of statistical information from major computerized databases worldwide, electronic mail and computer software support (i.e. Internet and CompuServe). These electronic information systems are still being integrated into ITTO's computer network, with access to the World Wide Web still unavailable. Once fully integrated, they will greatly facilitate the collection and dissemination of statistical information and other related activities carried out by the statistical unit.

ITTO Computer Network

Four desktop computers were purchased in 1995, i.e., two COMPAQ PROLINEA, one Packard Bell CDS8517, and one AST Bravo MS P/100. Two of these are for the use of project funded staff, the MIS Coordinator for PD16/93 Rev.4 (M) "Market Information Service for Tropical Timber and Timber Products" and the Editor/Newsletter Coordinator for PD17/93 Rev.3 (M,F,D) "Network for Information Sharing and Project Support". Two new laser printers were also purchased: one HP LaserJet 4V for the MIS Coordinator and one HP LaserJet 5L. One Panasonic KX-P1654 Dot Matrix printer was purchased to replace the obsolete Seikosha Dot Matrix printer.

Currently ITTO's computer network consists of hardware as follows:

<u>Item</u>	<u>No.</u>	<u>Specifications</u>
Network File Server (1)	1	IBM PS2 M77DX
Network Mail Server (1)	1	IBM PS2 M77DX
Work stations (27)	10	IBM PS2 M77DX
	4	IBM PS2 M55SX
	3	IBM PS2 77S
	2	IBM PC750-P90
	1	IBM PS2 M50
	2	COMPAQ PROLINEA 590 (one for PD16/93 Rev.4 (M))
	2	COMPAQ DESKPRO 25
	1	COMPAQ DESKPRO 50
	1	Packard Bell CDS8517 (for PD17/93 Rev.3 (M,F,D))
	1	AST Bravo MS P/100

<u>Item</u>	<u>No.</u>	<u>Specifications</u>
Laser Printers (5)	1	HP LaserJet III
	1	HP LaserJet 4V (for PD16/93 Rev.4 (M))
	1	HP LaserJet 5L
	1	Kyosera Ecosys LS-3500
	1	Kyosera F1000+
Dot Matrix Printer (1)	1	Panasonic KX-P1654

Four laptop computers were available for ITTO staff traveling on mission in 1995: one Toshiba T4700CS, two Toshiba T4400C and one HP Omnibook 425. ITTO also has two other laptop computers which were rendered obsolete last year, i.e., one Toshiba DynaBook 286 J31GS021 and one Fuji Xerox DynaBook J-3100SS 02E. There are three portable printers, one for the Toshiba T4000 series (Canon BJ-10sx), one for the HP Omnibook (HP DeskJet 310), and one for the DynaBook series (Canon BJ-10v).

ii) Data Processing and Communications - Software

The main operating systems used by ITTO workstations are PC DOS version 6.3 and Microsoft Windows version 3.1. Microsoft Word and Word Perfect are used for word processing, Microsoft Excel and Lotus 1-2-3 are used for data analysis, Paradox and D-Base are used for databases, and the SUN Accounting System is used for maintaining the special and administrative accounts. ITTO's network server runs Novell NetWare (v.3.11), while the mail server runs Unix Ware 1.1. The EIMI statistical unit also continued to subscribe to SAS (statistical software) during 1995.

3. REFORESTATION AND FOREST MANAGEMENT

By September 1995 the Division was at full strength, and the work concentrated on project monitoring, evaluation and review in addition to the secretariat functions in connection with the expert panels and the council sessions.

The Division has about 60 operational field projects in the three regions, Asia and the Pacific, Africa and Latin America. The assistance given to the executing agencies in project implementation, in addition to the monitoring activities, calls for frequent travel to the project sites by the officers of the division.

Reporting on project progress, disbursement of funds, evaluation of project progress reports and technical documents, preparation of briefs of project proposals, and other documents for the Permanent Committee on Reforestation and Forest Management takes up most of the time while in headquarters between journeys. The remaining time is taken up by attending to urgent matters and problems arising in the field.

The division is not presently involved in non-project activities. It is fully occupied with the largest portion of the project programme, summarised in Annex 1.

4. FOREST INDUSTRY

4.1. PROJECT WORK

In 1995, eleven project proposals were submitted by member governments for consideration and appraisal by the Permanent Committee on Forest Industry:

PD 48/94 Rev.1 (I)	Utilization, Demonstration and Promotion of Industrial Use of Certain Lesser-Known Species (LKS) in the Northwest Region of Ecuador	Government of Ecuador
PD 13/95 Rev.1 (I)	Capacity Building in Training in Planning and Management of Forest Industries in ITTO Producer Member Countries	Government of Finland
PD 19/95 (I)	Research and Development for Introduction of Biomass Conversion Technologies (Wood and Agroindustrial Residues in the Industry and Trade Sector)	Government of Cameroon
PD 20/95 Rev.1 (I)	Chemical Modification of Bamboo Culms and Their Resistance to Weathering	Government of China
PD 21/95 Rev.1 (I)	Comprehensive Studies on the Structure and Properties of Rattans for Effective Utilization	Government of China
PD 5/92 Rev.1 (I)	Establishment of a Centre for the Promotion of Lesser Known Tropical Hardwood Species in Europe	Government of Cameroon
PD 39/93 Rev.3 (I)	Research and Development in Energy Alternative from Biomass (Wood and Agricultural Residues) Through Briquetting, Gasification and Direct Combustion	Government of Malaysia
PD 47/94 Rev.2 (I)	Industrial Utilization of Lesser-Known Forest Species in Sustainably Managed Forests	Government of Honduras
PD 24/95 Rev.1 (I)	The Identification, Properties and uses of the Tropical Timber Imported to China from Latin America	Government of China

PD 26/95 (I)	Utilization and Marketing of Eucalyptus Plantations in the Gonzanama and Quilanga Counties, Province of Loja, Ecuador	Government of Ecuador
PD 33/95 Rev.3 (M,F,I)	Impacts of Increased Utilization of Lesser Used Species (LUS)	Government of Ghana
PD 42/95 (M,I)	Technical Manpower Development of the Ghana Wood Industry and ITTO Member Countries in the West African Sub-Region	Government of Ghana

Prior to Committee consideration, these project proposals were technically evaluated by the Expert Panel for Technical Appraisal of Project Proposals. The Committee was also informed by respective submitting countries that, taking into account the Expert Panel recommendations, the projects PD 48/94 Rev.1 (I), PD 5/92 Rev.1 (I), PD 26/95 (I), and PD 42/95 (M,I) are being revised and could eventually be resubmitted for consideration in future sessions.

The project proposal PD 19/95 (I) was withdrawn by the Government of Cameroon in view of its incorporation in the approved revision of project PD 39/93 Rev.3 (I) "Research and Development in Energy alternatives from Biomass through Briquetting, Gasification and Direct Combustion", which will be implemented by the Forest Research Institute of Malaysia in Collaboration with the Energy Research Laboratory (Cameroon). This latest version of PD 39/93 was prepared by the Government of Malaysia in collaboration with the Common Fund for Commodities and approved by the Committee during this session to replace the previously approved project proposal, PD 39/93 Rev.2 (I).

After a thorough evaluation, the Committee recommended to Council the approval of a total of 7 project proposals some of which had been further revised: PD 13/95 Rev.2 (I), PD 20/95 Rev.2 (I), PD 21/95 Rev.2 (I), PD 39/93 Rev.3 (I), PD 47/94 Rev.3 (I), PD 24/95 Rev.1 (I), and PD 33/95 Rev.3 (M,F,I). The Council approved for implementation all the 7 project proposals recommended by the Committee.

Three of the approved projects are research and development projects focussing on wood production, processing technologies and product development. One project will strengthen the capacity of training institutes in producer countries to improve training in planning and management of forest industries. The remaining three projects will study and promote the utilization of lesser used species (LUS). The promotion of utilization of lesser used species is a priority ITTO working area specified in the Article 23 of the ITTA. All the LUS projects ITTO approved in 1995 are also consistent with LUS guidelines made by the ITTO Permanent Committees and with recommendation made by the Expert Panel for Technical Appraisal of Project Proposals. These guidelines and recommendations require that LUS (pre)projects submitted to ITTO shall take into account the social, economic and environmental impact of increased use of lesser used species, and shall make explicit reference to:

- (i) The questions of sustainable wood supply listed in the Action Plan:
 - * What are the production alternatives with respect to products and markets?
 - * What species, dimension, qualities and volumes are required? In the short term - in the long term?
 - * What are the costs and means of harvesting and transportation at alternative industrial sites? Or different choices of raw material mix?

- * What are the prospects for increased utilization of lesser used species? From forest conservation and management point of view? From processing point of view? From market acceptance point of view?
 - * What are the long term prospects of industrial plantation forests from the same points of view?
 - * What are the prospects for improved logging and wood handling? Or alternative solutions for wood sales, harvesting and transportation?
- (ii) The need to remove industry and market constraints by improving processing technologies and marketing skills to successfully use the LUS that could be harvested on a sustainable basis, and the desirability of continuity of research and development work in these areas;
- (iii) The ecological and biodiversity aspects of harvesting.

In 1995 the Committee also considered two pre-project proposals: PPD 11/95 Rev.2 (I) "International Conference on Value-Added Hardwood Processing and Utilization (Ghana) and PPD 15/95 Rev.1 (I) "Ghana Seminar to Prepare and Approve Projects for Networked Research into the Processing, Utilization and Marketing of Small Diameter Timber from Plantations in Africa (Ghana).

The Committee agreed that the international conference proposed under pre-project PPD 11/95 Rev.1 (I) is relevant to the ITTO objective of promoting further processing of tropical timber in producing countries. The Committee also supported the organization of the seminar proposed under pre-project PPD 15/95 Rev.2 (I), designed to assist planning of research on processing, marketing and utilization of plantation timber from Africa.

The Committee also reviewed the status and scope of work of 30 ongoing pre-projects and projects and of 7 which were completed in 1995. Information on these pre-projects and projects is provided in Annex 1.

4.2. FOREST INDUSTRIES GUIDELINES

The Forest Industry Committee continues its work towards preparation of guidelines for the development of sustainable forest industry. Draft guidelines were prepared by an Expert Panel in January 1995 and considered by the Committee in its spring session in May 1995. These draft guidelines prepared by the Expert Panel are only the initial step in the process of developing ITTO's "Guidelines for Development of Sustainable Forest Industries". Preliminary assessment and consideration by member governments led to the conclusion that questions related to the need for and scope of these guidelines, their potential users and beneficiaries warrant further discussion. Members also agreed that further attention must be given to the level of raw material processing and use; timber processing technologies; quality and technological level of manufactured wood products; timber price forming mechanisms; waste reduction and improving of residue utilization; improvement of workers wages and safety in forest industries; and training for the industries manpower development.

Written comments and suggestions on the guidelines were made available in 1995 by the Government of Finland, France, Japan and the United Kingdom, and by FAO. The Forest Industry Committee, recognizing that members need more time to study the draft guidelines and to submit their views and comments, decided to resume its work on the guidelines at its Eighteenth Session in May 1996.

ANNEXES

ANNEX 1

SUMMARY OF PROJECTS, PRE-PROJECTS, AND ACTIVITIES

PROJECT:	PD005/94 Rev.3 (M)	TITLE : DEVELOPMENT OF COMPUTERIZED INFORMATION SYSTEM FOR THE FORESTRY COMMISSION OF GHANA
SESSION APPROVED :	16	PROJECT DESCRIPTION :
SESSION FUNDED :	16	The objective of this two year project is 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.
STATUS :	OPERATIONAL	Specific Objectives are:
COUNTRY :	GHANA	i) Establishment of a forestry and wildlife sector information network;
AGENCY :	FORESTRY COMMISSION OF GHANA	ii) To 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;
ITTO BUDGET :	242,650.00	iii) To ensure a timely analysis of performance of the forestry sector in accordance with the formulated national forest policy;
STARTING YEAR :	1995	iv) To establish a databank on forests and wildlife resources for dissemination to sector agencies, NGOs, universities, district assemblies, local communities, forestry enterprises, etc.; and
		v) To develop the skills of the scientific staff of the Forestry Commission in planning, evaluation and monitoring using computer techniques and technologies.
		Next monitoring due June 1996
PROJECT:	PD009/93 Rev.1 (M)	TITLE : MARKET INTELLIGENCE: TROPICAL TIMBER MARKET INFORMATION SYSTEM
SESSION APPROVED :	14	PROJECT DESCRIPTION :
SESSION FUNDED :	14	The objectives of this project, a follow-up of PD158/91, are:
STATUS :	COMPLETED	i) To investigate the feasibility of expanding the system further by the addition of Japan;
COUNTRY :	GLOBAL	ii) Extend the market information system tested in PD158/91 to 1992 and 1993; and
AGENCY :	STICHTING BOS EN HOUT	iii) To expand the geographical coverage with four main European consuming countries: Greece, Italy, Portugal and Spain.
ITTO BUDGET :	396,585.00	
STARTING YEAR :	1993	This project was completed in 1995. The final report is available from the ITTO Secretariat.
PROJECT:	PD016/93 Rev.4 (M) II	TITLE : MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	17	This four year project, a follow-up of PD 173/91 Rev.1 (M), was designed to:
STATUS :	OPERATIONAL	i) Strengthen the ITTO data collection network, particularly in the three producing regions;
COUNTRY :	GLOBAL	ii) Further enhance ITTO price and timber trade data bases to support Situation, Trends and Prospects Studies, as specified in the ITTO Action Plan; and
AGENCY :	ITTO/ITC	iii) Facilitate the relocation of the service to ITTO Headquarters in Yokohama.
ITTO BUDGET :	555,400.00	
STARTING YEAR :	1995	The second phase of this project was completed in 1995. This phase involved continuation of the publication of the bi-weekly Market News Service by ITC in Geneva, as well as the establishment of the Market Information Service (MIS) in Yokohama at the end of year. Bi-weekly MIS reports will be prepared from Yokohama under Phase III and IV of this project in 1996 and 1997.
PROJECT:	PD016/93 Rev.4 (M) III	TITLE : MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	19	Continuation of work under PD016/93 Rev.4 (M) II, with all reports produced by the MIS in Yokohama.
STATUS :	OPERATIONAL	
COUNTRY :	GLOBAL	
AGENCY :	ITTO	
ITTO BUDGET :	298,400.00	
STARTING YEAR :	1996	
PROJECT:	PD016/93 Rev.4 (M) IV	TITLE : MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :		Continuation of work under PD016/93 Rev.4 (M) III
STATUS :	PENDING FINANCE	

COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 304,500.00
STARTING YEAR : 1997

PROJECT: PD024/94 Rev.1 (M)

TITLE : BLUEPRINT FOR ADAPTING THE FOREIGN TRADE REGISTRATION SYSTEM AT THE ITTO NATIONAL LEVEL

SESSION APPROVED : 16
SESSION FUNDED : 16
STATUS : COMPLETED
COUNTRY : GLOBAL
AGENCY : STICHTING BOS EN HOUT
ITTO BUDGET : 65,094.00
STARTING YEAR : 1994

PROJECT DESCRIPTION :

This six-month project was designed to establish a blueprint for ITTO members to use the recently revised Harmonized System (HS) of customs classification to achieve more consistency and reliability in statistical reporting of timber trade. The revised HS came into effect from the beginning of 1996, at which time member countries can also introduce country-level adjustments to the System. The project, in liaison with the Customs Cooperation Council (CCC), ITTO, other relevant organizations and members, provides a framework within which such adjustments can be made. The adoption of this framework promotes consistency in the foreign trade statistics of those ITTO members (currently 31) using the HS of customs classification. The project's specific objective was to design a blueprint for adapting existing registration systems employed in the foreign trade of tropical timber, where such trade is conducted under the HS in ITTO member countries. This project was completed in 1995. The final report is available from the ITTO Secretariat.

PROJECT: PD025/95 Rev.1 (M)

TITLE : TRAINING WORKSHOPS ON TROPICAL FORESTRY AND TIMBER TRADE STATISTICS

SESSION APPROVED : 19
SESSION FUNDED :
STATUS : PENDING FINANCE
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 1,013,960.00
STARTING YEAR :

PROJECT DESCRIPTION :

This project is a continuation of the 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 that meet the needs of member countries of the ITTO and thus contribute to a rational and profitable trade in tropical forest products. Moreover, 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. The project will ensure continuation of ITTO's program of training in this sector.

Given the large numbers of prospective beneficiaries, the project will involve 6 regional workshops over a period of two years, two each in the producing regions of Africa (French), Asia-Pacific (English) and Latin America/Caribbean (Spanish). It is expected that a total of approximately 125 participants from the three regions will attend these workshops to improve their skills related to the collection, analysis and reporting of forestry and timber trade statistics. On return home, they will be expected to contribute to enhancing the statistical capabilities of their respective institutions. This project will be implemented following a review of the workshops carried out under PD118/90 (M) and PD27/93 Rev.3 (M), to be undertaken in 1996.

PROJECT: PD027/92 Rev.1 (M,I)

TITLE : DEVELOPMENT OF AN INFORMATION SYSTEM FOR TROPICAL TIMBER PROPERTIES TO PROMOTE APPROPRIATE USE OF MORE SPECIES

SESSION APPROVED : 13
SESSION FUNDED : 13
STATUS : COMPLETED
COUNTRY : GLOBAL
AGENCY : OXFORD FORESTRY INSTITUTE
ITTO BUDGET : 460,360.00
STARTING YEAR : 1993

PROJECT DESCRIPTION :

- The project was designed:
- i) To collect and collate information on the properties and uses of more tropical timbers which might be of use as industrial wood either in local or export markets;
 - ii) To refine and further develop PROSPECT to make it suitable for widespread distribution to interested organizations throughout the world;
 - iii) To develop the program further so that it provides diagrammatic or graphical displays which clearly reveal comparative differences in the properties of selected timbers;
 - iv) To use the program and the collected data to identify features common to timbers which are used for specific purposes so as to construct new end-use classifications for both local and export markets; and
 - v) To test the system by visiting several potential tropical and temperate users, demonstrating its potential and requesting their cooperation in testing its value to them and suggesting improvements.

The project was completed in 1995. The final report and software are available from the ITTO Secretariat.

PROJECT: PD027/93 Rev.2 (M) II

TITLE : TRAINING WORKSHOPS ON TROPICAL FORESTRY AND TIMBER TRADE STATISTICS - PHASE II

SESSION APPROVED : 15
SESSION FUNDED : 17

PROJECT DESCRIPTION :

Following successful completion of the first cycle of three workshops under this project in 1994,

STATUS : COMPLETED
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 486,100.00
STARTING YEAR : 1994

three workshops under cycle II were organized in 1995: one each for French-speaking ITTO members, Spanish-speaking ITTO members of Latin America and English-speaking ITTO members.

The first workshop was organized in cooperation with the Government of Côte d'Ivoire and with two resource persons recruited from the consultancy firm, General Woods and Veneers, Québec, Canada. The workshop took place from 22 May to 10 June 1995 at the Ecole Supérieure Internationale d'Electricité, Bingerville, near Abidjan. There were three participants each from the ITTO French-speaking members in the African region (Cameroon, Côte d'Ivoire, Congo, Gabon, Togo and Zaïre).

The second workshop, organized in cooperation with the Government of Venezuela, took place from 9 to 26 August 1995 at the Centro de Convenciones del Instituto de Estudios Avanzados (IDEA), Valle de Sarienejas, near Caracas. There were three participants each from the Spanish-speaking members of the Latin-America region (Bolivia, Colombia, Ecuador, Honduras, Panama, Peru and Venezuela), plus five participants from Brazil.

The third workshop was organized in Kuala Lumpur, Malaysia from 27 November to 15 December 1995. It was organized for ITTO by the Malaysian Timber Industry Board (MTIB). In attendance were three participants each from sixteen English-speaking developing members of ITTO from the Asia/Pacific, Africa and Latin America/Caribbean regions.

This project is now completed. The reports of all workshops are available from the ITTO Secretariat.

PROJECT: PD028/93 Rev.3 (M)

TITLE : ANALYSIS OF MACROECONOMIC TRENDS IN THE SUPPLY AND DEMAND OF SUSTAINABLY PRODUCED TROPICAL TIMBER FROM THE ASIA-PACIFIC REGION - PHASE II

SESSION APPROVED : 15

SESSION FUNDED : 15

STATUS : COMPLETED
COUNTRY : ASIA-PACIFIC
AGENCY : ITTO
ITTO BUDGET : 293,026.00
STARTING YEAR : 1994

PROJECT DESCRIPTION :

This project was designed to assist ITTO members in meeting the challenge of Target 2000 by providing macro-level projections of the availability of and trade in sustainably produced tropical timbers to the year 2000 and beyond. As such, it facilitated policy making and planning in all member countries and provide a useful tool for evaluating the likely effects of various factors impacting the tropical forestry sector on supplies, demand and prices.

The proposed project was a sequel to Phase I (PD 182/91 Rev.1 (M)) in which data had been collected for major producers and consumers and an econometric model has been developed. However, several difficulties with data resolution and/or availability had been encountered. Phase II, which was already envisaged under Phase I, was designed to address these difficulties and widen the scope of the partial regional analysis carried out in Phase I in order to refine the econometric model to provide more accurate supply and demand projections for the region.

Its initial activity was to conduct a 3-day workshop to review and disseminate results from Phase I, review appropriate plans and solicit useful suggestions for Phase II. Subsequently, data was updated for countries surveyed in Phase I, collected for selected Asia/Pacific countries not covered in Phase I (such as Myanmar, Laos, Cambodia, Vietnam, Solomon Islands, Australia and New Zealand) and the econometric model developed in Phase I was modified to incorporate the newly compiled data. The Project's major output was improved macro-level forecasts of supply and demand of major tropical timber products up to and including the year 2010.

This project is now completed. The final report is available from the ITTO Secretariat.

PROJECT: PD031/92 Rev.1 (M,I)

TITLE : SELECTION AND INTRODUCTION OF LESSER-KNOWN AND LESSER-USED SPECIES FOR SPECIFIC END-USES - PHASE III

SESSION APPROVED : 13

SESSION FUNDED : 13

STATUS : COMPLETED
COUNTRY : GLOBAL
AGENCY : WAGENINGEN
AGRICULTURAL
UNIVERSITY
ITTO BUDGET : 357,700.00
STARTING YEAR : 1993

PROJECT DESCRIPTION :

This project was the third phase following an original Project PD18/87 Rev.1, and its second phase in PD134/91 (I). The overall objective envisaged, over a three and a half year period, a 4-phased research programme on selection and market introduction of lesser known species. It was designed to develop a computer-based analytical system which allowed for the matching of some 21 technical properties of timber species with several criteria prevailing in Western Europe, Japan and the U.S. for the following end-uses: window frames, outside doors, cladding and furniture. The computer system was designed to provide useful insights into a timber's applicability for a specified end-use, both at preferred and essential requirement levels. The system indicates steps which may be taken to improve a given timber's potential applicability for a specified end-use.

This project is now completed and the final report/software is available from the ITTO Secretariat.

PROJECT: PD034/94 Rev.1 (M)

TITLE : ESTABLISHMENT AND IMPLEMENTATION OF A FOREST STATISTICAL INFORMATION SYSTEM

SESSION APPROVED : 16

SESSION FUNDED : 17

STATUS : OPERATIONAL

PROJECT DESCRIPTION :

This project proposes the establishment of a national forestry statistical information system under the initial tutelage of INDERENA and eventually of the recently created Ministry for the

COUNTRY : COLOMBIA
AGENCY : INDERENA
ITTO BUDGET : 839,158.00
STARTING YEAR : 1995

Environment. The system will be set up to gather, process, store, disseminate and access all information related to the forest sector which in turn will serve as a basis for forest policy development and decision-making. The project's specific objectives are:

- i) To develop standardized statistical methods for the collection, compilation, processing and analysis of information related to this sector.
- ii) To 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.
- iii) To 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) To 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.

It is envisaged that by the end of the three-year project an efficient national forestry statistical information system will be in place, providing accurate and timely information on all relevant aspects of the Colombian forest sector.

PROJECT: PD035/94 Rev.4 (M,I)

TITLE : FOREST PRODUCTS MARKETING ORGANIZATION FEASIBILITY STUDY

SESSION APPROVED : 16
SESSION FUNDED : 16
STATUS : OPERATIONAL
COUNTRY : PAPUA NEW GUINEA
AGENCY : PNG FOREST AUTHORITY
ITTO BUDGET : 409,340.00
STARTING YEAR : 1995

PROJECT DESCRIPTION :

This project is a feasibility study for the establishment of a Wood Products Marketing Organization. The specific objectives are to assess the conceptual, institutional, technical and financial feasibility of establishing an industry supported marketing association. The marketing association will include both timber harvesting and wood processing enterprises and would facilitate the penetration of Papua New Guinea's wood products into foreign markets and address domestic infrastructure requirements.

The main objectives of this Wood Products Marketing Organization would be 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.

PROJECT: PD036/92 (M)

TITLE : COLLECTION AND COMPUTER PROCESSING OF FOREST STATISTICS
WITH A VIEW TO IMPROVING THE MANAGEMENT OF THE FOREST
RESOURCES OF GABON

SESSION APPROVED : 13
SESSION FUNDED : 14
STATUS : OPERATIONAL
COUNTRY : GABON
AGENCY : DIRECTION GENERALE DES
EAUX ET FORETS
ITTO BUDGET : 649,950.00
STARTING YEAR : 1993

PROJECT DESCRIPTION :

The project aims to improve the capacities of the Government of Gabon to supervise and guide activities relating to the management of the forest resources of the country, through to the development and setting-up of a sufficiently accurate management information system for the forest activities in the country. The system must make it possible to provide at any time a clear, accurate and up-to-date view of activities in the spheres of reforestation, forest development, logging, the timber and processing industries, and the internal and external markets, and to plan, any necessary action with a view to rational management of the country's forest resources, in accordance with the ITTO guidelines and directives which Gabon has undertaken to adopt and translate into action. The project was on-going during 1995 and will be completed in 1996.

PROJECT: PD050/94 Rev.2 (M,I)

TITLE : SELECTION AND INTRODUCTION OF LESSER-KNOWN AND LESSER-USED
SPECIES FOR SPECIFIC END-USES - PHASE IV

SESSION APPROVED : 18
SESSION FUNDED :
STATUS : PENDING FINANCE
COUNTRY : NETHERLANDS
AGENCY : WAGENINGEN
AGRICULTURAL
UNIVERSITY
ITTO BUDGET : 582,360.00
STARTING YEAR :

PROJECT DESCRIPTION :

This project is the fourth phase following an original Project PD 18/87 Rev.1, its second and third phases in PD 134/91 (I) and PD 31/92 (M) respectively. The overall objective envisages, over a four year period, a 4-phased project on selection and market introduction of lesser known species. The development objective of this project is to enable the timber industry and trade in producing and consuming countries to calculate more effectively the risks inherent in the choice of timber for specific end-uses and/or species for specific purposes.

During Phase 1 a computer-based analytical system was developed which allows for the matching of some 21 technical properties of timber species with several criteria prevailing in Western Europe for the following end-uses: window frames, exterior doors, cladding, furniture and flooring. This model gives the user immediate insight into the applicability of a species for a specific end-use, at

both the preferred and minimum level.

In Phase 2, the development of the system was extended to cover end-use requirements in USA and Japan. Further commercial information, such as the form and the conditions on which a given species of timber is supplied, was also added. During Phase 3, the theoretical model developed in Phase 2 was refined using new software into an extended demonstration version. An Advisory Group, consisting of experts from 9 cooperating Governments and the ITTO Secretariat, was established and met twice to assess the effectiveness of the model.

Under the final Phase 4 it is envisaged that the project's information base will be further expanded to include additional important end-uses in the markets of Japan, USA and Western and Southern Europe and more potentially promising species from producing countries. Further information on production and sustainability (ecological conditions) will also be added.

This project was not funded during 1995 and will be considered once more by Council in May 1996 before lapsing under ITTO's sunset provision.

PROJECT: PD167/91 Rev.1 (M)

TITLE : DIAGNOSIS AND EVALUATION OF THE BRAZILIAN FORESTRY SECTOR

SESSION APPROVED : 11

PROJECT DESCRIPTION :

SESSION FUNDED : 12

The objectives of this project are:

STATUS : OPERATIONAL

i) To update the data and information on the Brazilian Forestry Sector.

COUNTRY : BRAZIL

ii) To analyze its evolution and environmental components, through research from primary and secondary sources.

AGENCY : FUNATURA/IBAMA

iii) To 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.

ITTO BUDGET : 1,743,000.00

iv) To facilitate wider dissemination of information and data among the agents of the private and public sectors, and improve capabilities for market decisions.

STARTING YEAR : 1993

v) To 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.

The project was on-going during 1995 and will be completed in 1996.

PRE-PROJECT: PPD004/94 Rev.1(M,F,I)

TITLE : GROUNDWORK FOR AN ITTO INFORMATION SYSTEM

SESSION APPROVED : 16
SESSION FUNDED : 16
STATUS : OPERATIONAL
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 64,090.00
STARTING YEAR : 1994

PROJECT DESCRIPTION :

This pre-project proposed to establish a public relations programme for ITTO pending appointment of an Information Officer. The pre-project will also attempt to develop more efficient document handling and analysis in the Secretariat to allow project results, etc. to be disseminated to the general public. It will also produce a general information brochure on ITTO, and other related promotional material. The pre-project's specific objectives are:

- i) To write, illustrate, publish and distribute an ITTO pamphlet in all three working languages to publicize world-wide the Organization and its activities;
- ii) To improve the internal document management system of the Secretariat through the introduction of new hardware and software tools;
- iii) To design a proactive public relations programme for the Organization including publications, lectures, and audio-visual presentations to be implemented from 1995-2000.

This pre-project was on-going in 1995 and will be completed in 1996.

PRE-PROJECT: PPD004/95 Rev.1 (M)

TITLE : MANAGEMENT AND UTILIZATION OF THE "PACA" (GUADUA SARCOCARPA)

SESSION APPROVED : 18
SESSION FUNDED : 18
STATUS : OPERATIONAL
COUNTRY : PERU
AGENCY : INRENA
ITTO BUDGET : 40,100.00
STARTING YEAR : 1995

PROJECT DESCRIPTION :

This pre-project proposes to study the possibility of promoting and developing among the native communities of the southeastern region of Peru the utilization of Guadua sarcocarpa - a bamboo that is the predominant species in that region. Currently this species is considered a hindrance by the local population and is burnt by them in their effort to establish new agricultural land. INRENA, however, considers that the "Paca", due to its similarity to bamboo, can be economically utilized for a variety of purposes just as bamboos have been used in Asia.

The main objective of the pre-project is subsequently to formulate a project proposal, jointly with experts from ITTO member countries where such bamboo-utilizing techniques have been developed, in order to promote the utilization of Guadua sarcocarpa in Peru. The final report of this pre-project (including a project proposal) will be submitted to ITTO in 1996.

PRE-PROJECT: PPD005/94 (M)

TITLE : IMPLEMENTATION OF A FOREST STATISTICAL INFORMATION SYSTEM

SESSION APPROVED : 16
SESSION FUNDED : 16
STATUS : COMPLETED
COUNTRY : PERU
AGENCY : INRENA
ITTO BUDGET : 48,003.00
STARTING YEAR : 1994

PROJECT DESCRIPTION :

The aim of this pre-project was to assess the current status of forest statistical data compilation, processing and dissemination system of Peru with a view to formulating a project designed to establish a forest statistical information system. The following documents were outputs from the pre-project:

1. Project proposal (PPD27/95 Rev.2(M) "Establishment and Operation of a Forest Strategic Information Center (CIEF)").
2. Technical document containing guidelines for data collection and processing with a view to developing forest statistics covering the tropical forests in Peru.

The pre-project was completed in 1995; the project proposal arising from it is to be submitted to ITTO in 1996.

PRE-PROJECT: PPD007/95 (M)

TITLE : CREATION OF A NATIONAL SYSTEM FOR THE COLLECTION AND PROCESSING OF CONGO FORESTRY STATISTICS

SESSION APPROVED : 18
SESSION FUNDED : 18
STATUS : OPERATIONAL
COUNTRY : CONGO
AGENCY : DIRECTION DES ETUDES ET DE LA PLANIFICATION
ITTO BUDGET : 64,500.00
STARTING YEAR : 1995

PROJECT DESCRIPTION :

Specific objectives are:

- i) To provide the Government of Congo with statistical and analytical capabilities in order to improve the management of the country's forest resources;
- ii) To establish a national network for the collection of forest statistics;
- iii) To develop a model capable of providing information on demand and prices for tropical timber on the international market; and
- iv) To update forecasts on supply, demand and trade flows for timber products from Congo until the year 2000.

These will be the objectives of a project which will be developed from this pre-project and which will be submitted to ITTO in 1996.

TITLE : ANALYSIS OF MACROECONOMIC TRENDS IN THE SUPPLY AND DEMAND

PRE-PROJECT: PPD010/95 Rev.1 (M)

OF SUSTAINABLY PRODUCED TROPICAL TIMBER FROM THE ASIA-PACIFIC REGION - PHASE III

SESSION APPROVED : 19
SESSION FUNDED : 19
STATUS : OPERATIONAL
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 232,050.00
STARTING YEAR : 1995

PROJECT DESCRIPTION :

This pre-project follows on the work of ITTO projects PD 182/91 Rev.1 (M) (Phase I) and PD 28/93 Rev.3 (M) (Phase II). It seeks to assist ITTO members in meeting the challenge of Target 2000 by providing training in the use of models for making macro-level projections of the availability of and trade in sustainably produced tropical timbers to the year 2000 and beyond. The pre-project will also result in a series of recommendations for further extending the models to cover the other main tropical supply regions. A demonstration training workshop for 28 participants from ITTO member countries, most of them from the Asia-Pacific region, will be held in Bangkok, Thailand in February 1996.

PRE-PROJECT: PPD012/95 Rev.2 (M)

TITLE : EVALUATION AND ENHANCEMENT OF ITTO'S STATISTICAL FUNCTIONS AND NETWORKS

SESSION APPROVED : 19
SESSION FUNDED : 19
STATUS : OPERATIONAL
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 383,282.00
STARTING YEAR : 1995

PROJECT DESCRIPTION :

The pre-project's development objectives are:

- i) To assess ITTO's statistical functions and mandate, particularly in view of the pending entry into force of the ITTA, 1994.
- ii) To strengthen producer countries' capacity to establish information and statistical systems and provide information in consonance with their obligations assumed under the ITTA. This will also improve the in-house capabilities of the ITTO Secretariat in assisting members to exchange information of timber trade, market intelligence and forest management, among others.

The pre-project will provide for a consultancy and for two meetings of an expert technical working group to make recommendations to the Council in 1996.

PRE-PROJECT: PPD013/95 Rev.1 (M)

TITLE : CREATION OF A STRUCTURE FOR RESEARCH, COLLECTION AND PUBLICATION OF ECONOMIC INFORMATION WITH THE VIEW TO ESTABLISH A SUSTAINABLE DATABASE ON THE MARKETING OF TIMBER IN CAMEROON

SESSION APPROVED : 19
SESSION FUNDED : 19
STATUS : PENDING CONTRACT
COUNTRY : CAMEROON
AGENCY : ONADEF
ITTO BUDGET : 39,350.00
STARTING YEAR :

PROJECT DESCRIPTION :

The pre-project aims to establish a structure for research and collection of reliable and up-to-date information for the benefit of ITTO's Committee on Economic Information and Market Intelligence on the one hand and, on the other hand, for the benefit of small and medium sized forest industries and the public authorities, through the permanent availability of prices, statistics and information on the timber market.

The pre-project will help to set up the necessary mechanisms to guard against undercharging for exported forest products and also help in organizing the national market for those products. The above actions are those advocated by Cameroon's new Forest Law (June 1993) as regards organizing the marketing of semi-finished and finished products of the industrial timber sub-sector.

The pre-project was funded in 1995 but will not commence until 1996.

ACTIVITIES: PP-A/16-31 (M)
SESSION APPROVED : 16
SESSION FUNDED : 18
STATUS : OPERATIONAL
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 82,818.00
STARTING YEAR : 1995

TITLE : STUDY OF THE DEVELOPMENTS IN THE FORMULATION AND
IMPLEMENTATION OF CERTIFICATION SCHEMES FOR ALL
INTERNATIONALLY TRADED TIMBER AND TIMBER PRODUCTS

PROJECT DESCRIPTION :

This study was designed to review, update and, where possible, elaborate on developments in respect of the formulation and implementation of certification schemes covering internationally traded tropical and non-tropical timber and timber products. The scope and initiatives is to draw on existing work, where appropriate, and incorporate any pertinent information provided to the ITTO Secretariat by members. The study, which is a follow-up to an earlier report prepared for ITTO in 1994, will be completed in 1996.

ACTIVITIES: PP-A/16-32 (M)
SESSION APPROVED : 16
SESSION FUNDED : 18
STATUS : OPERATIONAL
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET : 145,031.00
STARTING YEAR : 1995

TITLE : STUDY OF MARKETS AND MARKET SEGMENTS FOR CERTIFIED TIMBER
AND TIMBER PRODUCTS

PROJECT DESCRIPTION :

This study was designed to;

- i) Undertake a detailed study on markets/market segments for certified timber and timber products in selected markets;
- ii) Evaluate the importance of certification and labelling schemes in influencing purchasing decisions by consumers, retailers, wholesalers, manufacturers and traders;
- iii) Identify and examine factors influencing the development of markets and market segments for certified timber and timber products and especially any price premium and its impact on the relative competitiveness of certified timber and timber products.

A preliminary report was presented at the Nineteenth ITTC Session in November 1995. The final report, incorporating members' comments will be presented to the Twentieth ITTC Session in May 1996.

PROJECT:	PD015/87 (F)	TITLE : THE BIOLOGY OF THE OKOUME (AUCOUMEA KLAINEANA PIERRE) IN GABON
SESSION APPROVED :	03	PROJECT DESCRIPTION :
SESSION FUNDED :	12	The project will develop artificial regeneration techniques for Okoume (Aucoumea klaineana Pierre) and research the interrelationship between reproductive biological growth and geographic distribution of this species. The project will work with vegetative propagation techniques and will establish seed orchards and clone gardens and select high quality seed trees from natural stands. It will also work on developing silvicultural methods of Okoume based on natural regeneration.
STATUS :	OPERATIONAL	The project will be implemented over a three year period starting in January 1988. It forms an integral part of a development cooperation programme of the governments of the Netherlands and Gabon
COUNTRY :	GABON	
AGENCY :	THE TROPENBOS PROGRAMME	
ITTO BUDGET :	469,500.00	
STARTING YEAR :	1992	
PROJECT:	PD052/89 Rev.4 (F)	TITLE : FORESTRY TREATMENT BY THINNING-OUT IN THE CONTEXT OF A PILOT FOREST DEVELOPMENT SCHEME IN THE RESERVE FOREST OF SUD-BAKUNDU
SESSION APPROVED :	12	PROJECT DESCRIPTION :
SESSION FUNDED :	12	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 with much of the unplanned logging being 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 are, 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.
STATUS :	OPERATIONAL	
COUNTRY :	CAMEROON	
AGENCY :	ONADEF	
ITTO BUDGET :	1,275,245.00	
STARTING YEAR :	1992	
PROJECT:	PD068/89 Rev.1 (F)	TITLE : MANAGEMENT OF TAPAJOS NATIONAL FOREST FOR SUSTAINABLE PRODUCTION OF INDUSTRIAL TIMBER
SESSION APPROVED :	07	PROJECT DESCRIPTION :
SESSION FUNDED :	07	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 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 by FAO 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.
STATUS :	OPERATIONAL	
COUNTRY :	BRAZIL	
AGENCY :	IBAMA	
ITTO BUDGET :	1,513,146.00	
STARTING YEAR :	1992	
PROJECT:	PD077/90 (F)	TITLE : ESTABLISHMENT OF A PILOT AREA FOR SILVICULTURE IN CLOSED FORESTS IN CONGO
SESSION APPROVED :	08	PROJECT DESCRIPTION :
SESSION FUNDED :	09	The project will establish a pilot area of approximately 4,000 ha where silvicultural systems will be tested and monitored in order to develop a technically and economically efficient system which can be applied first hand in an 800,000 ha forest area which had been inventoried and for which a management plan is being developed. Silvicultural systems will be applied to sample plots. The growth in these plots of economic species and other vegetation, will be measured periodically and all costs of treatment will be monitored. Besides assessing the benefits and costs of silvicultural systems, the aim is to train staff and forest workers in applied silviculture. The project is to be executed over a five year period.
STATUS :	OPERATIONAL	
COUNTRY :	CONGO	
AGENCY :	CENTRE PILOTE DAFFORESTATION EN LIMBA (CPAL)	
ITTO BUDGET :	529,000.00	
STARTING YEAR :	1992	
PROJECT:	PD088/90 Rev.1 (F)	TITLE : SUSTAINED SELECTIVE HARVESTING OF MAHOGANY IN BOLIVIA
SESSION APPROVED :	08	PROJECT DESCRIPTION :
SESSION FUNDED :	08	The Project will study the development of mahogany in selectively logged managed forests in Bolivia in order to identify the biological factors which determine growth rates, timber quality and other stand characteristics. The results of this study will be used in designing management practices which will enhance natural regeneration of mahogany, improve its timber quality and volume production in regenerated stands. Computer software will be developed in which the collected biological data and relevant economic information can be combined for the evaluation of
STATUS :	COMPLETED	
COUNTRY :	BOLIVIA	
AGENCY :	PRINCETON UNIVERSITY	
ITTO BUDGET :	124,000.00	

STARTING YEAR : 1992

forest management options to assist in management decisions. The Project will be executed in cooperation with Project PD 34/88 (F), the implementation of which has been initiated and use, as far as possible, study sites established by the project.

PROJECT: PD089/90 (F) I

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

SESSION APPROVED : 08
 SESSION FUNDED : 08
 STATUS : OPERATIONAL
 COUNTRY : INDONESIA
 AGENCY : MINISTRY OF FORESTRY
 ITTO BUDGET : 3,800,000.00
 STARTING YEAR : 1991

PROJECT DESCRIPTION :

The long term objectives are to contribute to sustainable forest management nationally and internationally through the improvement of policies and practices in tropical resource management, and specifically in Indonesia, by furthering productive investment in forest resources management. The immediate objectives of the project have three components: (i) Improvement of forest research (Phase I); (ii) Improvement of the management of conservation and protection forests (Phase II); (iii) Long term human resources development, and improved public awareness in topics related to tropical forest management, (Phase III). The three components are inter-related, but can be treated as individual projects. The implementation, if the three components are executed simultaneously, will take seven years. In the initial year, emphasis will be placed on training of Ministry staff. The proposed project forms part of a larger development program with financial inputs from, besides ITTO and Indonesia, the government of the United States.

PROJECT: PD095/90 (F) II

TITLE : FOREST MANAGEMENT IN THE ALEXANDER VON HUMBOLDT NATIONAL FOREST, PHASE II

SESSION APPROVED : 09
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : PERU
 AGENCY : INRENA
 ITTO BUDGET : 507,000.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

The project will develop a management plan for the Alexander von Humboldt National Forest (105,000 ha) to be used as a research area and demonstration model for management of Peru's forest resources. The Plan will aim at achieving a sustained flow of raw material to the wood industries, preservation of genetic resources, better utilization of the forest resources and support to the socio-economic development of the rural and native communities in the area. A program for permanent applied research will be an important feature of the project.

The project is planned to be implemented in three successive phases. Phase I is dominated by overall planning of forest utilization and infrastructure, and detailed planning of a first felling area. In phase II, the utilization will be initiated and a research plan will be developed. In phase III, the full scale implementation of management and research plans will start. Each phase is estimated to last one year and the cost of each phase is approximately equal.

From the fourth year, the utilization, research and management of the Alexander von Humboldt National Forest is expected to be fully financed from income of timber sales.

PROJECT: PD095/90 (F) III

TITLE : FOREST MANAGEMENT IN THE ALEXANDER VON HUMBOLDT NATIONAL FOREST, PHASE III

SESSION APPROVED : 09
 SESSION FUNDED : 19
 STATUS : PENDING AGREEMENT
 COUNTRY : PERU
 AGENCY : INRENA
 ITTO BUDGET : 529,610.00
 STARTING YEAR :

PROJECT DESCRIPTION :

The project will develop a management plan for the Alexander von Humboldt National Forest (105,000 ha) to be used as a research area and demonstration model for management of Peru's forest resources. The Plan will aim at achieving a sustained flow of raw material to the wood industries, preservation of genetic resources, better utilization of the forest resources and support to the socio-economic development of the rural and native communities in the area. A program for permanent applied research will be an important feature of the project.

The project is planned to be implemented in three successive phases. Phase I is dominated by overall planning of forest utilization and infrastructure, and detailed planning of a first felling area. In phase II, the utilization will be initiated and a research plan will be developed. In phase III, the full scale implementation of management and research plans will start. Each phase is estimated to last one year and the cost of each phase is approximately equal.

From the fourth year, the utilization, research and management of the Alexander von Humboldt National Forest is expected to be fully financed from income of timber sales.

PROJECT: PD099/90 Rev.1 (F)

TITLE : ESTABLISHMENT OF RIO PRETO NATIONAL FOREST

SESSION APPROVED : 09
 SESSION FUNDED : 09
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : IBAMA
 ITTO BUDGET : 469,000.00
 STARTING YEAR : 1994

PROJECT 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 develop the socio-economic role of the forest compatible with its 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: PD103/90 Rev.1 (F)

TITLE : TRAINING AND MANPOWER DEVELOPMENT IN COMMUNITY FORESTRY MANAGEMENT

SESSION APPROVED : 09

PROJECT DESCRIPTION :

SESSION FUNDED : 09

STATUS : OPERATIONAL

COUNTRY : NEPAL

AGENCY : INSTITUTE OF FORESTRY,
TRIBHUVAN UNIVERSITY

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.

ITTO BUDGET : 1,203,000.00

STARTING YEAR : 1992

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 resident institute faculty, 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.

PROJECT: PD104/90 Rev.2 (F)

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

SESSION APPROVED : 09

PROJECT DESCRIPTION :

SESSION FUNDED : 09

STATUS : OPERATIONAL

COUNTRY : MALAYSIA

AGENCY : FOREST DEPARTMENT,
STATE GOVERNMENT OF
SARAWAK

The project will identify catchment areas in which Hill Dipterocarp forests are produced in a sustainable manner and in which the water conservation properties are well protected. It will further isolate and analyze the technical and managerial parameters which are involved in the development of the areas and determine which parameters are the main contributors in making the areas successful in timber production and watershed protection.

ITTO BUDGET : 412,900.00

STARTING YEAR : 1993

The results of the analysis will be applied to other catchments in order to bring them under rational management and to restore those which have been disturbed.

PROJECT: PD105/90 Rev.1 (F)

TITLE : MODEL FOREST MANAGEMENT AREA - PHASE I

SESSION APPROVED : 09

PROJECT DESCRIPTION :

SESSION FUNDED : 09

STATUS : OPERATIONAL

COUNTRY : MALAYSIA

AGENCY : FOREST DEPARTMENT,
STATE GOVERNMENT OF
SARAWAK

The project will select and develop a sizable area of the permanent forest estate of Sarawak into a Model Forest Management Area (MFMA) to be used for training, demonstration and research in the sustainable utilization of Mixed Hill Dipterocarp Forests. Special emphasis will be given to watershed management and protection of water catchment values.

ITTO BUDGET : 1,760,176.00

STARTING YEAR : 1993

The training aspect of the project aims at providing Forest Department staff practical training on planning, management and control of forest operations. The research component will focus on three broad subject areas: forest harvesting methods and forest transportation technologies; regeneration of harvested hilly areas, and determination of appropriate silvicultural techniques to facilitate forest recovery after harvesting; and sociological studies of the impact of harveting on nearby communities. The demonstration aspects aim at providing opportunities for various interested parties to observe the realities of sustainable forest management. The overall aim is to set up a center of excellence for tropical forest management and harvesting for sustainable development of tropical forests.

PROJECT: PD106/90 Rev.1 (F)

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

SESSION APPROVED : 09

PROJECT DESCRIPTION :

SESSION FUNDED : 09

STATUS : OPERATIONAL

COUNTRY : MALAYSIA

AGENCY : FOREST DEPARTMENT,
STATE GOVERNMENT OF
SARAWAK

The objective of the project is to develop the Lanjak-Entimau Wildlife Sanctuary as 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.

ITTO BUDGET : 1,750,837.00

STARTING YEAR : 1992

TITLE : REHABILITATION OF NATURAL FORESTS

PROJECT: PD115/90 Rev.1 (F)

PROJECT DESCRIPTION :

SESSION APPROVED : 09
 SESSION FUNDED : 09
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FORESTRY DEPARTMENT
 HEADQUARTERS,
 PENINSULAR MALAYSIA
 ITTO BUDGET : 550,797.00
 STARTING YEAR : 1991

The project will develop silvicultural measures for rehabilitating degraded forests and restoring their productive capacity and 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 are:

- An information base concerning the response of degraded forests to various silvicultural treatments under different site conditions;
- Silvicultural systems for rehabilitation of degraded forests;
- Increased capacity and expertise of local forestry staff in silvicultural treatment of degraded forests and in natural forest management in general,
- Assessments of cost effectiveness of various treatments; and
- A permanent study area of approximately 400 ha with sample plots which can serve as a research, demonstration, and training area for Malaysia and the Southeast Asia region.

PROJECT: PD120/91 Rev.4 (F,I)

TITLE : DEVELOPMENT OF AN OPERATIONAL MODEL FOR SUSTAINABLE
 MANAGEMENT OF NATURAL TROPICAL FORESTS

SESSION APPROVED : 12
 SESSION FUNDED : 12
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : STATE DEPARTMENT OF
 FORESTRY, SABAH
 ITTO BUDGET : 464,161.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

The development objective of the project is to optimize the contribution of forestry to state development through sustained development of forest land use and management and forest based industrialization.

The project will assist achieving this objective by:

1. Complementing existing FAO/UNDP and Malaysia-German forestry projects in Sabah to develop both model management areas and the human resources necessary for sustainable forest management;
2. Providing operational training for local foresters and counterparts on a model management area; and
3. Intensifying technology transfer through development of forestry institutions in the state.

The project will direct its manpower development efforts towards the State Forestry Department and the forest industry community. Better raw material utilization, expanded value-added production, higher productivity, and development of conservation consciousness, will also be given attention.

PROJECT: PD128/91 Rev.2 (F)

TITLE : MANAGEMENT, CONSERVATION, AND DEVELOPMENT OF MANGROVE
 FORESTS IN PANAMA

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : OPERATIONAL
 COUNTRY : PANAMA
 AGENCY : INRENARE
 ITTO BUDGET : 489,000.00
 STARTING YEAR : 1992

PROJECT DESCRIPTION :

The development objectives of the project are to achieve optimal sustained utilization of the mangrove resources of Panama without causing adverse effects on the ecosystem, improve conditions of the rural communities on the mangrove forests, improve the efficiency in exploitation and utilization of the mangroves, develop suitable areas for recreation, sanctuaries, and research, and maintain or increase breeding and harvesting of fish, mollusks, and crustaceans dependent on the mangrove ecosystems.

PROJECT: PD130/91 Rev.2 (F)

TITLE : PLANTATION ESTABLISHMENT METHODS - PHASE I

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : OPERATIONAL
 COUNTRY : PHILIPPINES
 AGENCY : DENR
 ITTO BUDGET : 780,000.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

The project has the stated aims of developing and testing methodologies for plantation establishment which employ: a) intensive soil preparation, b) application of fertilizers, and c) alternative technologies replacing fertilizers.

One output of the project will be a series of research plots, located in interested member countries, in which the long term effects of the technologies employed singly and in combination, can be monitored and evaluated. Additional outputs include descriptions and recommendations regarding the conditions where the various technologies can be used as summaries of appropriate application methods.

PROJECT: PD131/91 Rev.2 (F)

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

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET : 534,000.00
 STARTING YEAR : 1991

PROJECT DESCRIPTION :

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'o lala 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.

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.

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.

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.

PROJECT: PD156/91 Rev.2 (F)

TITLE : ESTABLISHMENT OF TWO MODEL FOREST NURSERIES AND FOREST MANAGEMENT PROJECT

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : COMPLETED
 COUNTRY : ECUADOR
 AGENCY : CORMADERA
 ITTO BUDGET : 211,636.00
 STARTING YEAR : 1991

PROJECT DESCRIPTION :

This two year project seeks to use seed funding to establish two forestry nurseries that by the end of the project period can generate sufficient income from the sale of seedlings to private landholders to become financially self-supporting and provide funds for the expansion of the programme to other areas.

The project aims to:

- Develop and test a community-based reforestation mechanism and a forest management system that will be relevant to both the tropical areas and, the Andean Altiplano in Ecuador.
- Promote the development of community-based forestry and agroforestry, and activities in appropriate areas to complement government programmes of reforestation, forest management, soil rehabilitation and catchment, protection.
- Study the adaptability of various forest species in the different areas of influence of each nursery
- Provide training and technical assistance to small scale farmers and forest owners so that they can establish and manage their forests and tree plantings to optimize their growth and economic yield.

PROJECT: PD162/91 Rev.1 (F)

TITLE : INTENSIFICATION OF GROWTH AND YIELD STUDIES IN PREVIOUSLY LOGGED FORESTS

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : OPERATIONAL
 COUNTRY : PAPUA NEW GUINEA
 AGENCY : PNG FOREST RESEARCH INSTITUTE
 ITTO BUDGET : 1,628,000.00
 STARTING YEAR : 1992

PROJECT DESCRIPTION :

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 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 Inventort 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) I

TITLE : CONSERVATION AND MANAGEMENT FOR MULTIPLE USE AND DEVELOPMENT OF COLOMBIAN MANGROVE SWAMPS - PHASE I

SESSION APPROVED : 11
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA
 AGENCY : MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET : 905,596.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

Mangrove forests still have quite extensive distributions in Colombia but many areas are under 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: PD171/91 Rev.2 (F) II

TITLE : CONSERVATION AND MANAGEMENT FOR MULTIPLE USE AND DEVELOPMENT OF COLOMBIAN MANGROVE FORESTS - PHASE II

SESSION APPROVED : 11
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : COLOMBIA

PROJECT DESCRIPTION :

Mangrove forests still have quite extensive distributions in Colombia but many areas are under 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

AGENCY : MINISTRY OF THE ENVIRONMENT 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.
 ITTO BUDGET : 1,364,189.00
 STARTING YEAR :

PROJECT: PD172/91 Rev.2 (F) I TITLE : THE RECOVERY OF NATURAL SYSTEMS OF THE HILLSIDES OF CAQUETA - PHASE I
 SESSION APPROVED : 11 PROJECT DESCRIPTION :
 SESSION FUNDED : 13 The hillside ecosystems of Caquetá 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.
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA 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.
 AGENCY : MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET : 526,339.00
 STARTING YEAR : 1994

PROJECT: PD172/91 Rev.2 (F) II TITLE : THE RECOVERY OF NATURAL SYSTEMS OF THE HILLSIDES OF CAQUETA - PHASE II
 SESSION APPROVED : 11 PROJECT DESCRIPTION :
 SESSION FUNDED : 19 The hillside ecosystems of Caquetá 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.
 STATUS : PENDING AGREEMENT
 COUNTRY : COLOMBIA 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.
 AGENCY : MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET : 632,974.00
 STARTING YEAR :

PROJECT: PD176/91 Rev.1 (F) TITLE : SUSTAINED MANAGEMENT FOR PRODUCTION, CONSERVATION, DEMONSTRATION, DIFFUSION AND PROMOTION ACTIVITIES IN MOIST TROPICAL FORESTS IN ECUADOR'S NORTHWEST
 SESSION APPROVED : 11 PROJECT DESCRIPTION :
 SESSION FUNDED : 11 The project is designed to develop demonstration models for forest management within an area of 800 ha in the province of Esmeraldas. In this purpose, the project is composed of 5 elements:
 STATUS : OPERATIONAL
 COUNTRY : ECUADOR a) Conservation in-situ and ex-situ: 250 ha;
 AGENCY : JUAN MANUEL DURINI FORESTRY FOUNDATION b) Natural regeneration improvement of forests under selective cutting;
 ITTO BUDGET : 750,403.50 c) Forest plantation, species introduction essays, provenance studies and native species arboreta: 200 ha;
 STARTING YEAR : 1993 d) Rehabilitation of suitable soils with forest aptitude: 150 ha;
 e) Extension and evaluation.
 The information and data collected by the project and the models developed during the project will contribute to the promotion of the sustainable utilization of forests. They will provide a regional demonstration that silvicultural activities, forest utilization, protection and preservation are complementary, achievable, and sustainable.

PROJECT: PD185/91 Rev.1 (F) I TITLE : SUSTAINABLE FOREST MANAGEMENT AND DEVELOPMENT IN PENINSULAR MALAYSIA - PHASE I
 SESSION APPROVED : 11 PROJECT DESCRIPTION :
 SESSION FUNDED : 14 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 an cost efficeint 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.
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA 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.
 AGENCY : FORESTRY DEPARTMENT HEADQUATERS, PENINSULAR MALAYSIA The stock, refining planting and and vegetative plant propoagation methods, enrichment planting trial plots covering 1,200 ha logged-over forests, and the dissemination of technology developed. The latter is the current focus of Phase I.
 ITTO BUDGET : 1,056,789.00
 STARTING YEAR : 1993

PROJECT: PD186/91 Rev.2 (F) TITLE : TREE FLORA OF SABAH AND SARAWAK

SESSION APPROVED : 12
 SESSION FUNDED : 12
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FRIM
 ITTO BUDGET : 712,800.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

The objective of the project is to work out and publish a complete document (2 volumes) on the flora of Sabah and Sarawak. The document will cover all families of plants and conifers which contain tree species reaching timber-size (90 cm. girth). The document will serve as a reference for the identification of tree species when developing forest projects, especially in the field of timber exploitation, forest and biodiversity conservation, and forest by-products exploitation development. The survey of the existing information in the country and outside the country as well as the collection of information and data from the field, will help to achieve the objective.

PROJECT: PD202/91 Rev.1 (F)

TITLE : SUSTAINABLE FOREST MANAGEMENT THROUGH COLLABORATIVE EFFORTS

SESSION APPROVED : 11
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : THAILAND
 AGENCY : SCONTE
 ITTO BUDGET : 1,039,500.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

Forest lands have played an important role in the national economy of Thailand in the past. In particular, agricultural output increases were associated with the clearance of more and more forests, since villagers lacked the financial means to obtain fertilizers in order to improve existing agricultural lands. The environmental damage due shifting cultivation, however, has led to declining agricultural yields, and therefore to the decrease of overall agricultural output.

The objective of the proposed project is to develop models of collaborative forestry systems in cooperation with local populations, NGOs, and Government offices. The model aims to improve sustainable forest production and agricultural output, and raise the revenue of the local population. Two trial sites comprised of 50% degraded forests and 50% natural forests, will be selected to develop these models. There will be two types of models. The first one concerns buffer zones around protected forests and the second one concerns the management of natural forests with a greater emphasis on conservation.

PROJECT: PD204/91 Rev.1 (F)

TITLE : IDENTIFICATION AND STUDY OF A PLANTATION PROJECT FOR THE PRODUCTION OF TIMBER (2,500 HA) IN THE RESERVED FOREST OF HAHO-BALOE (PLATEAU REGION)

SESSION APPROVED : 11
 SESSION FUNDED : 12
 STATUS : OPERATIONAL
 COUNTRY : TOGO
 AGENCY : MINISTRY FOR ENVIRONMENT - ODEF
 ITTO BUDGET : 374,301.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

Togo has only 10% (560,000 ha) of its territory covered with natural forest capable of producing industrial wood. These forests, mainly situated in the Southwest and central-west of the country, cannot fulfill Togo's needs for industrial wood, neither for local consumption, nor for export, and are threatened by agricultural development. Togo therefore feels the need to protect the existing forests, as well as to develop reforestation and forest extension programs.

The project proposal aims to identify a reforestation area of 2,500 ha within the Haho-Baloe protected forest, which covers some 4,000 ha in total. This reforestation area will be selected on the basis of preliminary socio-economic studies of the area, as well as a technical survey of the site. The project will provide advice on the best economic and financial solutions to meet the reforestation objectives. Attention will be given to developing proposals in consultation with local population groups.

PROJECT: PD008/92 Rev.2 (F)

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

SESSION APPROVED : 13
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : HONDURAS
 AGENCY : NATIONAL SCHOOL OF FORESTRY SCIENCE (ESNACIFOR)
 ITTO BUDGET : 922,467.00
 STARTING YEAR : 1995

PROJECT 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 major influence has been the under-valuation of the forests by the rural communities due to the fact that all forests 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: PD009/92 Rev.2 (F)

TITLE : FOREST MANAGEMENT IN ISLAS DE LA BAHIA, HONDURAS, CENTRAL AMERICA

SESSION APPROVED : 13
 SESSION FUNDED : 13
 STATUS : OPERATIONAL
 COUNTRY : HONDURAS
 AGENCY : ASOCIACION PRO-DESARROLLO DE ISLAS DE LA BAHIA
 ITTO BUDGET : 722,619.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

The Department of Islas de la bahia is made up of 3 Islands, with an area of 260.6 square km. The population of the department is increasing very rapidly. From about 12,000 people in 1980, it is now over 22,000 and this has resulted in a rapid deforestation due to clearing and burning activities to convert land for pastures and subsistence farming. It is reported that the islands have already lost 75% of their tree vegetation cover and that hills, catchment areas, wildlife habitats, and coastal areas have been deforested to such an extent that the environmental and socio-economic conditions of the department are now in a very critical situation. Fishing and tourism are the main sources of income in the islands, and the resource base for these industries are being

threatened by the impact of deforestation on landscape values and inshore marine resources such as coral reefs.

The objective of this project is to reverse this process and contribute to the improvement of the quality of life and income of the population through the regeneration, protection, reforestation and efficient utilization of forest resources, as well as the implementation of forest management, extension and training plans.

PROJECT: PD010/92 Rev.1 (F)

TITLE : BOOKS AND A DATA BASE ON THE MAJOR AND MINOR COMMERCIAL TIMBERS OF SOUTH-EAST ASIA VOLUME 5(1) AND VOLUME 5(2) WITHIN THE PROSEA PROGRAM

SESSION APPROVED : 12

SESSION FUNDED : 12

STATUS : COMPLETED

COUNTRY : INDONESIA

AGENCY : PROSEA

ITTO BUDGET : 1,068,041.00

STARTING YEAR : 1993

PROJECT DESCRIPTION :

The objective of the project is to produce books and a Data-Base on the Major and Minor Commercial Timbers of South-East Asia Volume 5(1) and Volume 5(2) within the PROSEA Programme. These outputs aim to:

- * Document and make available the existing wealth of information on the plant resources, in particular, the timbers of South-East Asia for education, extension work, research and industry.
- * Operationalize a computerized data-bank on these plant resources.
- * Publish the results in a form of an illustrated, multi-volume handbook (three volumes for timber trees) in English.

In addition, the project aims to promote the dissemination of the information gathered.

PROJECT: PD011/92 Rev.1 (F)

TITLE : DEVELOPMENT AND DISSEMINATION OF RE-AFFORESTATION TECHNIQUES OF MANGROVE FORESTS

SESSION APPROVED : 12

SESSION FUNDED : 12

STATUS : OPERATIONAL

COUNTRY : JAPAN

AGENCY : JAPAN ASSOCIATION FOR MANGROVES (JAM)

ITTO BUDGET : 815,850.00

STARTING YEAR : 1993

PROJECT DESCRIPTION :

Globally, mangrove forests account for about 20 million ha and are situated in heavily populated coastal areas. These forests are intensively used for many purposes ranging from industrial utilization to the protection fishery resources. Many are being rapidly depleted. Some are already completely exhausted in some countries. This is resulting in serious environmental problems in coastal areas and is creating difficulties in terms of maintaining standards of life for people living in these areas.

The objective of this project is to promote large scale reforestation for the restoration of mangrove forests that have been degraded or destroyed and afforestation for the purpose of expanding mangrove resource. To meet these objectives the main activities proposed for the project include:

- the survey of existing information on mangrove forests, mangrove species and mangrove afforestation techniques;
- the valuation of the current state of denuded mangrove forest lands in ITTO Member Countries;
- the development of mangrove afforestation methodology and technology and testing in 4 selected sites in Thailand;
- training and extension and the dissemination of projects results.

PROJECT: PD014/92 Rev.1 (F) I

TITLE : A DEMONSTRATION PROGRAM OF SUSTAINABLE UTILIZATION OF TROPICAL FORESTS BY MEANS OF DIFFERENTIATED MANAGEMENT IN HAINAN ISLAND, CHINA

SESSION APPROVED : 12

SESSION FUNDED : 14

STATUS : OPERATIONAL

COUNTRY : CHINA

AGENCY : DEPARTMENT OF FORESTRY, HAINAN PROVINCE, CHINA

ITTO BUDGET : 1,250,000.00

STARTING YEAR : 1993

PROJECT 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 proposal includes:

- * The survey and analysis of both market demands and the forest resource capabilities to allow the development of a plan to govern the continuous utilization of forest resources.
- * Comparative studies of forest management practices in the tropical areas of China and other tropical producer countries.
- * The establishment of a demonstration model area for plantations.
- * The establishment of a demonstration area for multi-purpose natural forest management.
- * The establishment of a demonstration model for protected conservation forests.

PROJECT: PD014/92 Rev.1 (F) II

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

SESSION APPROVED : 12

SESSION FUNDED : 19

STATUS : PENDING AGREEMENT

COUNTRY : CHINA

AGENCY : DEPARTMENT OF FORESTRY, HAINAN PROVINCE, CHINA

ITTO BUDGET : 1,091,925.00

STARTING YEAR : 1996

PROJECT DESCRIPTION :

The Project is the continuation of the first Phase of the Project that was implemented in Hainan Island in China from July 1993 to September 1995. The Project will continue to develop the demonstration model of integrated and sustainable utilization and management of the tropical forest resources of Hainan. The project includes:

- * The demonstration area for tropical forest plantations including vegetative propagation techniques and the demonstration nursery.
- * The demonstration area for people participation in a 'agro-silvo-pastoral' artificial ecosystem. *

The demonstration area for sustainable management of the tropical forest by selective harvesting, natural regeneration and silvicultural treatments.

* The demonstration area for conservation of the tropical virgin forest.

PROJECT: PD018/92 Rev.1 (F)

TITLE : DETERMINATION OF FOREST TYPOLOGY RELATED TO SILVICULTURAL SYSTEMS

SESSION APPROVED : 12
 SESSION FUNDED : 17
 STATUS : OPERATIONAL
 COUNTRY : COTE D'IVOIRE
 AGENCY : SODEFOR
 ITTO BUDGET : 300,000.00
 STARTING YEAR : 1995

PROJECT 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 the selective forest exploitation which has left the forest impoverished in valuable species. 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 objective of this R and 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,
- 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.2 (F,I)

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

SESSION APPROVED : 13
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : IRA
 ITTO BUDGET : 1,957,100.00
 STARTING YEAR : 1994

PROJECT 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: PD033/92 Rev.4 (F)

TITLE : THE ESTABLISHMENT OF A DEMONSTRATION AREA FOR SUSTAINABLE USE IN THE WOOD RESOURCES BASE OF THE ENTERPRISE IN N'LOBO

SESSION APPROVED : 17
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET : 1,524,475.00
 STARTING YEAR :

PROJECT DESCRIPTION :

This project aims to set a long term and large scale example of management of natural tropical forest for sustainable timber production under the conditions of maintenance of forest ecological functions with emphasis on the local communities interests. The project will be located in the southern forest region of Cameroon which is to be developed under the National Plan. the rural communities will be involved in management of the reserve by integrating their agricultural activities in the forestry management plan to be implemented. A computerized forestry management data bank will be created. The managed woodland area will be used for demonstration of applied silvicultural logging methods, and for research and training purposes.

PROJECT: PD037/92 Rev.1 (F)

TITLE : PRELIMINARY STUDIES AND PREPARATION OF A MANAGEMENT PLAN FOR THE BOKOUE FOREST

SESSION APPROVED : 13
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : GABON
 AGENCY : DIRECTION GENERALE DES EAUX ET FORETS
 ITTO BUDGET : 1,265,292.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

The 1st forest exploitation zone of Gabon accounts for some 3.5 million ha along the coast and naturally rich in Okoume species. The forest resources in this zone have become exhausted by many felling cycles carried out in a rather short time. No forest management plans have been established for these forests. However, this first zone is considered to be the base of future industrial timber supply in Gabon for both local consumption and for export. As a result, some local forest estates, like the Bokoue forest estate, have been set aside in view of the potential for sustainable management to lead to the reconstitution and enhancement of their production potential

The project's overall objective is to formulate an integrated management plan for the 100,000 ha Bokoue forest estate based on preliminary resources studies and consultations with local people that will be undertaken during the project. The project will also provide an opportunity for the development of a model forest management that will be relevant to similar forest stands in this first zone. Special emphasis will be given to community participation in the implementation of an

environmentally sound management plan which aims to achieve a financial balance between income derived from forest exploitation and expenses resulting from silvicultural, agricultural, agroforestry and forest protection activities.

PROJECT: PD039/92 Rev.1 (F)

TITLE : DISSEMINATION AND TRAINING ON ITTO GUIDELINES AND CRITERIA

SESSION APPROVED : 13
 SESSION FUNDED : 13
 STATUS : COMPLETED
 COUNTRY : BRAZIL
 AGENCY : FUNPAR
 ITTO BUDGET : 624,750.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

The states of Acre, Rondonia and Mato grosso account for 50% of the tropical timber production in Brazil. Some 2,160 sawmills, veneer and plywood mills are in operation in these states and some 680 professionals including foresters, agronomists and various technicians are involved in activities related to those industries, including forest activities. Preliminary investigations have shown that less than 5% of above mentioned professionals know of the existence of the ITTO Guidelines on the Sustainable Management of Tropical Forests. In addition, many forest management plans have been developed over the last few years to conform with national laws and in total, some 2730 plans have been registered in local IBAMA office.

The project's overall objective is to contribute to better forest resource management in the Amazon region through improvements in the sustainable management and utilization of tropical forests in the States of Acre, Mato Grosso and Rondonia. It's specific objectives include: 1. The translation and dissemination of the ITTO Guidelines on Sustainable Forest Management and the Criteria for the Measurement of Sustainable Forest Management in Portuguese and 2. The application of these guidelines as a reference standard for sustainable natural forest management and as a code of "best practice" in the States of Acre, Rondonia and Mato Grosso.

PROJECT: PD042/92 Rev.1 (F) I

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

SESSION APPROVED : 13
 SESSION FUNDED : 14
 STATUS : COMPLETED
 COUNTRY : PERU
 AGENCY : INRENA
 ITTO BUDGET : 199,500.00
 STARTING YEAR : 1994

PROJECT 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: PD042/92 Rev.1 (F) II

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

SESSION APPROVED : 13
 SESSION FUNDED : 18
 STATUS : OPERATIONAL
 COUNTRY : PERU
 AGENCY : INRENA
 ITTO BUDGET : 977,550.00
 STARTING YEAR : 1996

PROJECT 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: PD002/93 Rev.1 (F)

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

SESSION APPROVED : 14
 SESSION FUNDED : 17
 STATUS : OPERATIONAL
 COUNTRY : CONGO
 AGENCY : FORESTRY DEPARTMENT,
 MINISTRY OF WATERS AND
 FORESTS
 ITTO BUDGET : 756,762.00
 STARTING YEAR : 1995

PROJECT 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 they have been developed, will lead to an over-exploitation of forests. Management plans designs have principally focused on timber production, little consideration being 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 regard 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 has the objective to 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 could also provide training support, functioning as a demonstration area for local forest staff in forest management activities. The project's activities include detailed mapping of the Nguoa II Forest which covers 44,080 ha, forest inventory highlighting the potential of forest regeneration, and assesment of social and environmental conditions of this zone. The end result of the process will be to develop anintegrated forest management plan for this forest zone, in such a way as to achieve the self-financing of all related activities.

PROJECT: PD005/93 Rev.1 (F) TITLE : TEN YEAR PRODUCTION OF TREATED RESIDUAL DIPTEROCARP FOREST STANDS

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : PHILIPPINES
 AGENCY : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
 ITTO BUDGET : 11,664.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

The objective of this project is twofold:

- To assess the effect of Timber Stand Improvement (TSI) treatments on such parameters as tree diameter, height, stand composition, structure, etc. of residual dipterocarp stands after a ten year observation period;
- To determine the economic profitability of a second series of TSI operations before the end of the cutting cycle.

This study will report on the analysis of a ten-year growth and yield data from the four TSI study sites established by the Phillipines-German project in four important regions where dipterocarp forests are still intact. The project will re-establish and re-measure plots treated with TSI practices. Data analysis will incorporate both the biological responses to the various treatments, as well as the viability of TSI as a forest management tool. The methodology of establishing the plots, collecting and analyzing the data has been thoroughly outlined in the Project Document.

PROJECT: PD006/93 Rev.2 (F) TITLE : MANUAL AND WORLD NATURAL MANGROVE ATLAS FOR MANGROVE ECOSYSTEM RESTORATION

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : JAPAN
 AGENCY : INTERNATIONAL SOCIETY OF MANGROVE ECOSYSTEMS (ISME)
 ITTO BUDGET : 732,984.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

The total world-wide mangrove area is estimated at approximately 16 million ha. Mangroves support a diversity of terrestrial and aquatic fauna and flora which are of direct and indirect environmental, economic and social value to human societies concerned. Mangrove ecosystems however, are being progressively depleted by uncontrolled exploitation, and in some areas, are in great need of restoration.

The objective of the project is to compile relevant information and produce two volumes of publications in order to 1) enhance the public awareness of the importance of mangrove ecosystems, and 2) provide the know-how on planting techniques, restoration, and rational management of mangrove communities. Project activities include:

- collection of practical methods for restoration of mangrove ecosystems,
- development of a data base established in projects PD 71/89 Rev.1 (F) and PD 114/90 (F),
- compilation of relevant information and production of 2 volumes to meet the project objectives above.

PROJECT: PD011/93 Rev.1 (F) TITLE : A STRATEGY FOR THE SUSTAINABLE MANAGEMENT AND HARVESTING OF FOREST RESOURCES: AND STRENGTHENING OF INDIGENOUS TERRITORIES IN THE COLOMBIAN AMAZON

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA
 AGENCY : MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET : 338,643.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

The project is located in a region of the Colombian Amazon encompassing nearly 12,000,000 ha of tropical rain forest. The project will be centered in the Cahuinari National Park and will operate in the three indigenous reserves (resguardos) representing an area of more than 6.5 million ha. Recent and proposed changes in the Colombian constitution have legally empowered 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.

The Intercultural Ecological Center of Cahuinari (CEICA) has been created and supported by organizations representing the Colombian government and indigenous groups. This center proposes to strengthen local research capabilities to enable indigenous people to learn how to effectively manage their natural heritage. The Puerto Rastrojo Foundation, an NGO accredited by the Ministry of Education in 1982, proposes to assist the center to provide training and research to local tribes to assess, plan and evaluate programs for managing indigenous reserves.

The project proposes to train 24 indigenous leaders to carry out an inventory of floral and forest resources in three indigenous reserves. Subsequently, a management plan for the sustainable development of natural resources will be completed along with proposals for activities in Phase II of the project.

Proposed activities are grouped into two categories: 1) management and harvesting forest resources and 2) institutional strengthening of CEICA and the development of an information and monitoring center. Forest management activities will be based on ITTO Guidelines for Sustainable Forest Management and include:

- Photo interpretation and mapping
- Species identification and classification as to potential use
- Workshops and training with the participation of indigenous leaders.

PROJECT:	PD012/93 Rev.3 (F)	NATIONAL GUIDELINES ON THE PROTECTION OF TROPICAL FORESTS AGAINST FIRE
SESSION APPROVED :	16	PROJECT DESCRIPTION :
SESSION FUNDED :	18	The first phase of 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.
STATUS :	OPERATIONAL	
COUNTRY :	INDONESIA	
AGENCY :	MINISTRY OF FORESTRY	
ITTO BUDGET :	930,721.00	
STARTING YEAR :	1996	
PROJECT:	PD020/93 Rev.1 (F)	TITLE : DEVELOPMENT OF NATIONAL GUIDELINES FOR THE SUSTAINABLE MANAGEMENT OF NATURAL TROPICAL FORESTS IN CAMEROON
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	15	The objective of the project is to translate the ITTO Guidelines for the Sustainable Management of Natural Tropical Forests into national specific guidelines taking into account the orientations of the new Cameroonian forest policy. Project activities basically include: 1. the review of existing information related to forest management in Cameroon, 2. the formulation, discussion, adoption, publicity and dissemination of the national guidelines especially through workshops and seminars; 3. the development of an awareness plan as well as programs aiming at initiating practices of sustainable natural resources management among rural populations
STATUS :	OPERATIONAL	
COUNTRY :	CAMEROON	
AGENCY :	ONADEF	
ITTO BUDGET :	414,900.00	
STARTING YEAR :	1994	
PROJECT:	PD022/93 Rev.4 (F)	TITLE : FOREST MANAGEMENT, COMMUNITY PARTICIPATION AND SUSTAINABLE UTILIZATION IN SI-KOP FOREST AREA, COASTAL PROVINCE, CAMEROON
SESSION APPROVED :	17	PROJECT DESCRIPTION :
SESSION FUNDED :	18	The proposed project aims at developing management of an area of tropical moist forest in Cameroon for sustainable production of both timber and non-timber products. This proposal is mainly concerned with planning of operations related to sustainable management and development of the project area while generally meeting Cameroon's overall development objectives. Establishment of an extractive reserve will promote sustainable use of non-timber forest products by local people while helping conservation of a rich forest. Creation of a village cooperative will help organize local farmers and provide an important basis for planned training activities.
STATUS :	OPERATIONAL	
COUNTRY :	CAMEROON	
AGENCY :	ONADEF	
ITTO BUDGET :	725,102.00	
STARTING YEAR :	1995	
PROJECT:	PD024/93 Rev.2 (F)	TITLE : FOREST MANAGEMENT OF NATURAL FORESTS IN MALAYSIA - PHASE II
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	15	This project is the follow-up phase of Project PD 10/87 (F). Four study areas were established in Selangor, Pahang, 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 to be held at the end of Phase II to share the findings, experiences and recommendations arising from this project and similar research elsewhere. 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. The activities proposed are among others: 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. The network between the Forestry Department, the Forest Research Institute of Malaysia, the Agricultural University of Malaysia and the ASEAN Institute of Forest Management will also be developed and strengthened.
STATUS :	OPERATIONAL	
COUNTRY :	MALAYSIA	
AGENCY :	FORESTRY DEPARTMENT, MALAYSIA	
ITTO BUDGET :	567,558.00	
STARTING YEAR :	1993	
PROJECT:	PD025/93 Rev.1 (F)	TITLE : EVALUATION OF PROGRESS MADE BY ECUADOR TOWARDS ACHIEVEMENT OF ITTO TARGET 2000
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	15	Ecuador has nearly 11.5 million ha of forests, with an annual deforestation rate of about 140,000 ha. The forestry sector provides over 90,000 jobs and exports have doubled over the past ten years. Current regulations regarding the use and management of Ecuador's forests appear to be deficient for ensuring sustainability. Only a small percentage of people involved in tropical timber logging and related industries are familiar with ITTO Guidelines for the Sustainable Management of Natural Tropical Forests. The objective of the project is to evaluate the progress made by Ecuador towards the achievement of ITTO Target 2000.
STATUS :	OPERATIONAL	
COUNTRY :	ECUADOR	
AGENCY :	INEFAN	
ITTO BUDGET :	597,130.00	
STARTING YEAR :	1994	
PROJECT:	PD026/93 Rev.1 (F)	TITLE : DEVELOPMENT OF BENTUANG KARIMUN NATURE RESERVE AS A NATIONAL PARK - PHASE I

SESSION APPROVED : 15
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : INDONESIA
 AGENCY : MINISTRY OF FORESTRY
 ITTO BUDGET : 1,165,722.00
 STARTING YEAR : 1994

PROJECT 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 final retreat of the orangutan and the white fronted monkey.

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 disturbed animals in the surrounding concessions would use the reserve as a final refuge. This area is also known for its function as part of the catchment for Kapuas river which has an important role of socio-economic development in West and Central Kalimantan.

PROJECT: PD032/93 Rev.2 (F)

TITLE : REHABILITATION OF LOGGED-OVER FORESTS IN THE ASIA/PACIFIC REGION (SUB-PROJECT III)

SESSION APPROVED : 15
 SESSION FUNDED : 15
 STATUS : OPERATIONAL
 COUNTRY : JAPAN
 AGENCY : JOFCA
 ITTO BUDGET : 558,779.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

Large areas of tropical forests in the Asia/Pacific Region have been harvested with little attention paid towards sustainable management. As a result, many forests may not produce commercially valuable timber during the next cutting cycle. The proposed project will continue work on the development of a manual for classifying logged over forests along with the examination of remote sensing techniques enabling the assessment of the region's logged over forests.

This project will be undertaken with the cooperation and participation of the Governments of Malaysia, Thailand, Philippines, India, Indonesia, Papua New Guinea and Nepal. This is the third sub project of PD 2/87. The first Sub-project resulted in a general overview of logged-over forests in Asia/Pacific. After review of the first Sub-project, the seventh session of the Permanent Committee on reforestation and Forest management recommended the implementation of a second Sub-project II resulted in the development of a manual containing a classification system for logged over forests. It also attempted to link remote sensing techniques with the classification system. This third sub-project will result in the completion of activities originally proposed in PD 2/87. It aims to continue consultations with research organizations to identify key factors for disseminating the manual developed during Sub-project II and continued refinement of remote sensing techniques for rehabilitation programs in the region.

PROJECT: PD033/93 Rev.1 (F) I

TITLE : CONSERVATION, MANAGEMENT, HARVESTING, AND INTEGRATED SUSTAINED USE OF FORESTS IN THE CHIMANES REGION, BENI, BOLIVIA - PHASE I

SESSION APPROVED : 16
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : BOLIVIA
 AGENCY : MINISTERIO DE DESARROLLO SOSTENIBLE Y MEDIO AMBIENTE
 ITTO BUDGET : 1,591,520.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

This project will be implemented in the Permanent Production Forest areas and the Chiman Indigenous Territory in the Chimanes Region with the aim of achieving sustained yield through the implementation of a series of pilot forest management plans. The project is related to the field of Reforestation and forest Management through the implementation of a series of management plans with the participation of timber companies in the Permanent Production Forest and indigenous communities living in the Chiman Indigenous Territory.

PROJECT: PD035/93 Rev.4 (F) I

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

SESSION APPROVED : 16
 SESSION FUNDED : 16
 STATUS : COMPLETED
 COUNTRY : PANAMA
 AGENCY : ANCON
 ITTO BUDGET : 564,425.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

To establish forestry management and community agroforestry extension programs within the communities of Punta Patiño, to promote sustainable reforestation and harvesting programs and to guarantee the improved living standards of said communities.

To 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 across Panamá.

PROJECT: PD035/93 Rev.4 (F) II

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

SESSION APPROVED : 16
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : PANAMA
 AGENCY : ANCON
 ITTO BUDGET : 664,650.00
 STARTING YEAR :

PROJECT DESCRIPTION :

To establish forestry management and community agroforestry extension programs within the communities of Punta Patiño, to promote sustainable reforestation and harvesting programs and to guarantee the improved living standards of said communities.

To 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 across Panamá.

PROJECT:	PD036/93 Rev.1 (F)	TITLE : SECURING THE IMPLEMENTATION OF IMPROVED AND/OR NEWLY ESTABLISHED NURSERIES IN EGYPT
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	16	Under project PD 170/91 Rev.1(F) "Modernization and Development of Egyptian Forest Nurseries" seven nurseries have been established in Egypt in view of producing at least 2 million seedlings necessary for the national afforestation programs. The one year project basically provided equipment and different inputs for the newly established or expanded nurseries and technical assistance, and ensured training of forestry staff and workers.
STATUS :	OPERATIONAL	However, the seedlings grown will be suitable for selling and planting only after 18 months. This project therefore seeks to secure funds to maintain the activities in the nurseries until such time that the seedlings could be sold to raise enough funds to make the nurseries self-financing. Project activities include:
COUNTRY :	EGYPT	* Maintenance of routine nursery activities;
AGENCY :	MINISTRY OF AGRICULTURE AND LAND RECLAMATION	* Continuous improvement of the irrigation systems and water availability;
ITTO BUDGET :	301,730.00	* Completion of the mechanization program in the developed nurseries;
STARTING YEAR :	1994	* Intensification and expansion of seed bank activities.
PROJECT:	PD002/94 Rev.2 (F)	TITLE : DISSEMINATION OF SILVICULTURAL EXPERIENCES WITH PROMISING FOREST SPECIES IN THE PERUVIAN AMAZON REGION
SESSION APPROVED :	17	PROJECT DESCRIPTION :
SESSION FUNDED :		The purpose of the proposed project is to disseminate the experience gained during 25 years of forestry research carried out by the Peruvian Amazon Research Institute (IIAP) at its research center in Jenaro Herrera (CIHJ). It is expected that after 3 years of project implementation, the project will have contributed to the efforts aimed at the development of a sustainable use and management system for the ecosystems in the low forest region of Peru.
STATUS :	PENDING FINANCE	To this end, an objective has been set to disseminate the silvicultural experiences of the CIHJ through the publication of technical documents and manuals, training and demonstrative activities, and the organization of seminars and courses. At the same time, forestry research and demonstration infrastructure will be improved so as to guarantee work continuity.
COUNTRY :	PERU	
AGENCY :	IIAP	
ITTO BUDGET :	472,218.00	
STARTING YEAR :		
PROJECT:	PD004/94 Rev.2 (F)	TITLE : EAST NEW BRITAIN Balsa INDUSTRY STRENGTHENING PROJECT
SESSION APPROVED :	17	PROJECT DESCRIPTION :
SESSION FUNDED :	17	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 at least for the medium term. Balsa is rapidly becoming an important form of diversification for local farmers but the industry support and infrastructure is under-resourced and uncoordinated and, balsa management is generally of a very poor standard.
STATUS :	OPERATIONAL	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.
COUNTRY :	PAPUA NEW GUINEA	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.
AGENCY :	PAPUA NEW GUINEA FOREST AUTHORITY	
ITTO BUDGET :	289,070.00	
STARTING YEAR :	1995	
PROJECT:	PD008/94 Rev.2 (F)	TITLE : EVERGREEN CLUB OF GHANA / ITTO YOUTH IN FORESTRY PROJECT
SESSION APPROVED :	16	PROJECT DESCRIPTION :
SESSION FUNDED :	18	The objective of the project is to strengthen the capability of the Evergreen Club of Ghana, an environmental NGO created by school children and which now has branches throughout the country. During the project, community/school environmental awareness activities would be organized and woodlots created. The support sought from ITTO will be to purchase 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.
STATUS :	OPERATIONAL	
COUNTRY :	GHANA	
AGENCY :	EVERGREEN CLUB OF GHANA	
ITTO BUDGET :	77,015.00	
STARTING YEAR :	1995	
PROJECT:	PD016/94 Rev.1 (F)	TITLE : REFORESTATION FOR THE PRODUCTION OF VALUABLE TIMBER AND NON-TIMBER PRODUCTS
SESSION APPROVED :	16	PROJECT DESCRIPTION :
SESSION FUNDED :	16	Deforestation in Peru has been mainly caused by the expansion of the agricultural frontier on lands not suitable for agriculture. This process has been more intense in the Central Forest region (Selva Central), where the project will be located. As it is utopian to think that legal mechanisms can prevent the development of agricultural activities on lands suitable for forestry, it has been considered appropriate to provide farmers with socially and economically viable technical alternatives.
STATUS :	OPERATIONAL	
COUNTRY :	PERU	
AGENCY :	EDMAR	
ITTO BUDGET :	305,078.00	
STARTING YEAR :	1995	

The objective of this project is to carry out reforestation demonstration activities on 150 ha of moist tropical forest for economic purposes and with a view to restoring the ecological balance, using high commercial value species combined with *Croton lecheri* species, which in the short and medium term of plantation rotation produces a non-timber product ("Sangre de Grado") for which there is high demand in the national and international markets, thus ensuring considerable income for the beneficiaries.

PROJECT: PD018/94 Rev.1 (F) I

TITLE : PARTICIPATORY FOREST DEVELOPMENT IN THE ALTO MAYO REGION FOR THE SUSTAINABLE MANAGEMENT OF MOIST TROPICAL FORESTS - PHASE I

SESSION APPROVED : 16

SESSION FUNDED : 16

STATUS : OPERATIONAL

COUNTRY : PERU

AGENCY : INRENA

ITTO BUDGET : 492,790.00

STARTING YEAR : 1995

PROJECT DESCRIPTION :

Through the implementation of reforestation and forest management activities, this project will help increase the standard of living of the rural populations in the provinces of Rioja and Moyobamba and the improvement of environmental conditions. To achieve these aims, specific project objectives have been set, including a land-use allocation plan in the referred provinces; the establishment of a Regional Forest Seeds 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 program; and the promotion of applied forestry research.

PROJECT: PD027/94 Rev.2 (F)

TITLE : WOMEN AND TROPICAL FOREST DEVELOPMENT PROGRAM

SESSION APPROVED : 16

SESSION FUNDED : 16

STATUS : OPERATIONAL

COUNTRY : GHANA

AGENCY : FORESTRY DEPARTMENT OF GHANA AND 31ST DECEMBER MOVEMENT

ITTO BUDGET : 694,823.00

STARTING YEAR : 1995

PROJECT DESCRIPTION :

The objectives of this project are the establishment of a nursery and extension programme in 3 regions of Ghana operated by the 31st December Women's Movement (an NGO) to support community-based and private sector reforestation; establishment of demonstration timber and non-timber forest product plantations; research on the cultivation of non-timber forest products; and West Africa sub-regional consultation on the potential for women to support tropical reforestation.

PROJECT: PD028/94 Rev.2 (F)

TITLE : CONTINUATION OF THE PUBLICATION OF THE JOURNAL "BOSQUES Y DESARROLLO" AND THE ORGANIZATION OF A COMMUNICATION AND INFORMATION SERVICE

SESSION APPROVED : 16

SESSION FUNDED : 18

STATUS : OPERATIONAL

COUNTRY : PERU

AGENCY : ASOCIACION BOSQUES Y DESARROLLO

ITTO BUDGET : 287,804.00

STARTING YEAR : 1996

PROJECT DESCRIPTION :

This project seeks to facilitate communication, information and exchange of experience, concepts and technologies in the field of forestry amongst various users in the region, disseminating concepts, experience and appropriate technologies to promote forest activities in consonance with the principles of sustained forest resource management by continuing the publication of the regional journal "Bosques y Desarrollo" and by establishing a regional information and communication system.

PROJECT: PD031/94 Rev.1 (F)

TITLE : PLANNING PRACTICAL AND COST EFFECTIVE STRATEGIES FOR GENETIC RESOURCE CONSERVATION OF COMMERCIAL TREE SPECIES IN TROPICAL ASIA AND THE PACIFIC

SESSION APPROVED : 16

SESSION FUNDED : 16

STATUS : PENDING AGREEMENT

COUNTRY : MALAYSIA

AGENCY : AIFM

ITTO BUDGET : 992,017.00

STARTING YEAR : 1996

PROJECT 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. The project will involve the participation of Brunei, Indonesia, Malaysia, Papua New Guinea and the Philippines. Technical guidelines will be developed through expert meetings and regional workshops in Asia.

PROJECT: PD049/94 Rev.1 (F)

TITLE : ESTABLISHMENT OF AN ONGOING FOREST MONITORING NETWORK (PERMANENT GROWTH PLOTS) IN THE FOREST RESERVES AND WOODLOTS OF THE GUIANA REGION

SESSION APPROVED : 19

SESSION FUNDED :

STATUS : PENDING FINANCE

COUNTRY : VENEZUELA

AGENCY : SERFORVEN

ITTO BUDGET : 265,498.00

STARTING YEAR :

PROJECT 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 with a view to achieving the sustainable management of forest reserves and woodlots.

PROJECT:	PD002/95 Rev.1 (F,I)	TITLE : BOOK AND DATABANK ON THE LESSER-KNOWN TIMBERS OF SOUTH-EAST ASIA: VOLUME 5(3) WITHIN THE PROSEA PROGRAM
SESSION APPROVED :	18	PROJECT DESCRIPTION :
SESSION FUNDED :	18	This project is a continuation of project PD 10/92 Rev. 1 (F): "Books and a Database on the Major and Minor Commercial Timbers of South-East Asia: Volume 5(1) and Volume 5(2) within the PROSEA Programme". A handbook covering 1250 tree species will be produced by the project in hardcover and low-cost paperback versions.
STATUS :	OPERATIONAL	
COUNTRY :	INDONESIA	
AGENCY :	PROSEA	
ITTO BUDGET :	996,448.00	
STARTING YEAR :	1996	
PROJECT:	PD003/95 Rev.2 (F)	TITLE : CONSERVATION AND PROVENANCE PLANTINGS AND INTEGRATED PEST MANAGEMENT TO SUSTAIN IROKO PRODUCTION IN WEST AFRICA
SESSION APPROVED :	18	PROJECT DESCRIPTION :
SESSION FUNDED :	18	This proposal outlines phase II activities of ITTO project PD 75/90 (F) that 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:
STATUS :	OPERATIONAL	1) the establishment of provenance and conservation plantings of Iroko,
COUNTRY :	GHANA	2) demonstration of mixed native plantations,
AGENCY :	FORESTRY RESEARCH INSTITUTE OF GHANA	3) determination of factors influencing regeneration of Iroko in natural forests,
ITTO BUDGET :	668,891.00	4) continuation of the development of an integrated pest management program for <i>Phytolyma lata</i> including the use of biological control, and
STARTING YEAR :	1995	5) a comprehensive technology transfer program.
PROJECT:	PD008/95 Rev.1 (F)	TITLE : MULTIPLE RESOURCES STRATIFICATION, MAPPING AND INVENTORY FOR THE FIRST FOREST ZONE IN GABON - PHASE I
SESSION APPROVED :	18	PROJECT DESCRIPTION :
SESSION FUNDED :	18	In order to recognize the potential of the areas to be allocated to the National Permanent Forest Estate within the first forest zone of Gabon, and to develop the necessary instruments for the sound management of the forest lands, it is proposed to implement a project in two phases as follows:
STATUS :	OPERATIONAL	Phase I: To develop a proposal for the allocation of land
COUNTRY :	GABON	Phase II: To carry out a multiple resource management inventory of the reserved production forests (or forests to be reserved) over an area of 450,000 hectares.
AGENCY :	DIRECTORATE GENERAL OF FORESTS AND FISHERIES	
ITTO BUDGET :	1,252,475.00	
STARTING YEAR :	1995	
PROJECT:	PD009/95 Rev.2 (F)	TITLE : REFORESTATION USING HIGH-VALUE TROPICAL SPECIES IN AGROFORESTRY SYSTEMS OF THE PROVINCE OF TAMBOPATA
SESSION APPROVED :	18	PROJECT DESCRIPTION :
SESSION FUNDED :	18	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.
STATUS :	OPERATIONAL	
COUNTRY :	PERU	
AGENCY :	INRENA	
ITTO BUDGET :	704,503.00	
STARTING YEAR :	1996	
PROJECT:	PD010/95 Rev.2 (F)	TITLE : EVALUATION OF SILVICULTURAL TRIALS OF INDIGENOUS TIMBER SPECIES FOR DEVELOPING FOREST PLANTATIONS IN GABON
SESSION APPROVED :	19	PROJECT DESCRIPTION :
SESSION FUNDED :		This project aims at developing statistically reliable information on growth dynamics of plantation timber species and assessing their silvicultural behavior with a view to formulating a policy for future action in the field of reforestation and silviculture in Gabon.
STATUS :	PENDING FINANCE	
COUNTRY :	GABON	
AGENCY :	DIRECTION GENERALE DES EAUX ET FORETS	
ITTO BUDGET :	221,712.00	
STARTING YEAR :		
PROJECT:	PD014/95 Rev.2 (F)	TITLE : MODEL FOREST MANAGEMENT AREA - PHASE II
SESSION APPROVED :	19	PROJECT DESCRIPTION :
SESSION FUNDED :	19	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 centre 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
STATUS :	PENDING AGREEMENT	

COUNTRY : MALAYSIA
 AGENCY : FOREST DEPARTMENT,
 SARAWAK, MALAYSIA
 ITTO BUDGET : 1,998,235.00
 STARTING YEAR :

forest management which are environmentally acceptable.

The main outputs include:

1. Provide and maintain the necessary infrastructure facilities and monitoring networks in the model area.
2. Provide and update the necessary management guidelines and workplans to serve 3.
3. Provide training to forest staff and workers in all aspects of planning, execution and control of environmentally acceptable forest operations.
4. Provide research and development data in experimental forest management exercises of controlled harvesting, helicopter logging and forest rehabilitation, to improve future management and operations.
5. Provide demonstrations of viable management options, improved harvesting methods and technologies with less impact on environmental values.

PROJECT: PD016/95 Rev.2 (F)

TITLE : FOREST HEALTH MONITORING TO MONITOR THE SUSTAINABILITY OF
 INDONESIAN TROPICAL RAIN FORESTS

SESSION APPROVED : 18
 SESSION FUNDED : 18
 STATUS : OPERATIONAL
 COUNTRY : INDONESIA
 AGENCY : SEAMEO-BIOTROP
 ITTO BUDGET : 456,989.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

This project is part of a series of research programs developed jointly by BIOTROP, CIFOR, USDA Forest Service, and the Indonesian Ministry of Forestry. It focuses on the evaluation of forest ecosystems, and more specifically, indicators related to changes, trends, casual agents and mechanisms of forest health. 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 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: PD028/95 Rev.1 (F)

TITLE : INTERNATIONAL CONFERENCE ON COMMUNITY FORESTRY: AS A
 STRATEGY FOR SUSTAINABLE FOREST MANAGEMENT

SESSION APPROVED : 19
 SESSION FUNDED : 19
 STATUS : OPERATIONAL
 COUNTRY : PHILIPPINES
 AGENCY : DENR
 ITTO BUDGET : 162,271.00
 STARTING YEAR : 1996

PROJECT DESCRIPTION :

The International Conference on Community Forestry aims to discuss, share and synthesize lessons learned from various countries based on their experiences with community forestry as a tool for sustainable management.

PROJECT: PD030/95 Rev.1 (F)

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

SESSION APPROVED : 19
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : BRAZIL
 AGENCY : FUNPAR
 ITTO BUDGET : 1,655,295.00
 STARTING YEAR :

PROJECT 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.

PROJECT: PD037/95 Rev.2 (F)

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

SESSION APPROVED : 19
 SESSION FUNDED : 19
 STATUS : PENDING AGREEMENT
 COUNTRY : PANAMA
 AGENCY : INRENARE
 ITTO BUDGET : 1,042,667.00
 STARTING YEAR :

PROJECT DESCRIPTION :

The overall objective of this applied forest research project, is the sustainable management of "cativales", which are forests found in seasonally flood lowlands, where cativo (*Prioria copaifera*) is the dominant species, accounting for 95% of the raw materials used for plywood production in Panama. At the same time, the project is aimed at the research and management of non-timber forest species, specifically Tagua (*Phytelephas semanii*), 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: PD039/95 Rev.1 (F)

TITLE : INSTITUTIONAL STRENGTHENING FOR THE SUSTAINABLE
MANAGEMENT OF FOREST PLANTATIONS

SESSION APPROVED : 19
SESSION FUNDED : 19
STATUS : PENDING AGREEMENT
COUNTRY : COLOMBIA
AGENCY : CONIF
ITTO BUDGET : 694,886.00
STARTING YEAR :

PROJECT DESCRIPTION :

This project will have a regional coverage aimed at the technical and operational strengthening of Autonomous Regional Corporations (ARC) 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 who will be responsible for the management of forest plantations within the ARC areas.

PROJECT: PD041/95 Rev.1 (F)

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

SESSION APPROVED : 19
SESSION FUNDED : 19
STATUS : PENDING AGREEMENT
COUNTRY : GHANA
AGENCY : THE FORESTRY
DEPARTMENT
ITTO BUDGET : 333,380.00
STARTING YEAR :

PROJECT DESCRIPTION :

The specific objectives of this project include:
i) The piloting of 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: PD043/95 Rev.1 (M,F,I)

TITLE : FIRST LATIN AMERICAN WORKSHOP ON TROPICAL FORESTS WITHIN
THE FRAMEWORK OF THE INTERNATIONAL TROPICAL TIMBER
AGREEMENT

SESSION APPROVED : 19
SESSION FUNDED :
STATUS : PENDING FINANCE
COUNTRY : REGIONAL
AGENCY : SERFORVEN
ITTO BUDGET : 61,718.00
STARTING YEAR :

PROJECT DESCRIPTION :

The purpose of this project is to promote a series of actions aimed at fostering a discussion amongst Latin American countries so as to harmonize and establish their positions on fundamental issues concerning tropical forest management and regulation. These criteria and proposals will constitute important inputs for the debate on issues to be considered at the Sessions of the of the International Tropical Timber Council.

PRE-PROJECT:	PP-F/04-08	TITLE : MANAGEMENT OF NATURAL MOIST FORESTS TO OBTAIN A SUSTAINABLE PRODUCTION OF WOOD AND OTHER FOREST PRODUCTS AND MAINTAIN THE ECOLOGICAL BALANCE IN ECUADOR
SESSION APPROVED :	04	PROJECT DESCRIPTION : This Pre-project involves the following activities: A. Review and assess the: 1. scientific reports and other publications relevant to natural forest management in Ecuador with the aim of establishing the status of current knowledge and identifying needs of research and development work, 2. current knowledge of production of non-timber products in natural tropical forest of Ecuador, the current use of these products and their potential markets, 3. licensing and concession policies and the manner in which they are applied, and of current logging and extraction practices, 4. assess the extent and current knowledge of agrosilvopastoral activities and demonstrate their economic importance for rural communities, 5. use of natural forest for recreation and tourism and forecast the future importance of these activities, 6. importance of natural tropical forest for the protection of catchment areas in the specific conditions of Ecuador, 7. impact of human settlement in native tropical hardwood forests in Ecuador, 8. the contribution of the forestry sector to the economic and social development of Ecuador, now and in the future.
SESSION FUNDED :	04	
STATUS :	COMPLETED	
COUNTRY :	ECUADOR	
AGENCY :	INEFAN	
ITTO BUDGET :	75,000.00	
STARTING YEAR :	1990	
PRE-PROJECT:	PP-F/05-11	TITLE : COORDINATED NATURAL FOREST MANAGEMENT AND SUSTAINABLE RURAL DEVELOPMENT IN AREAS ADJOINING SAPO NATIONAL PARK, LIBERIA
SESSION APPROVED :	05	PROJECT DESCRIPTION : The objective of this study is to design a project which aims to formulate and initiate the implementation of a plan for coordinated natural forest management and sustainable rural development in the areas adjoining Sapo National Park in Eastern Liberia. The plan for Forest development and management should be closely linked to the development priorities of the rural communities in and around the area and should ensure a stable environment. The project should form an integral part of the National Tropical Forestry Action Plan and be designed so that it can serve as a model for the development of forests surrounding other protected areas in Liberia and in the region.
SESSION FUNDED :	05	
STATUS :	STAND BY	
COUNTRY :	LIBERIA	
AGENCY :	FOREST DEVELOPMENT AUTHORITY	
ITTO BUDGET :	275,000.00	
STARTING YEAR :		
PRE-PROJECT:	PPD43/91 Rev.1 (F)	TITLE : REHABILITATION OF DEGRADED FOREST LAND IN THE AMAZON - A CASE STUDY IN THE CARAJAS MINERAL PROVINCE
SESSION APPROVED :	11	PROJECT DESCRIPTION : This Pre-project aims to study the development and feasibility of sustainable production of forest and food products from agro-forestry plantations designed to rehabilitate and manage degraded tropical forest land in the area of influence of the Carajas railroad, in the Carajas mineral province, Eastern Amazon, Brazil.
SESSION FUNDED :	12	
STATUS :	OPERATIONAL	
COUNTRY :	BRAZIL	
AGENCY :	FUNPAR	
ITTO BUDGET :	228,900.00	
STARTING YEAR :	1994	
PRE-PROJECT:	PPD03/92 Rev.1 (F)	TITLE : INTEGRATED FOREST PROJECT FOR THE PRODUCTION OF SEEDLINGS IN PARA STATE - FEASIBILITY STUDY
SESSION APPROVED :	12	PROJECT DESCRIPTION : The objective of the pre-project is to study the technical, economical, legal, social and environmental implications and constraints for the establishment of regional program of seedlings production, to support the efforts needed to recover areas degraded by unappropriated conversion, harvesting or forest management technics, considering a joint action of local communities and the local timber industry.
SESSION FUNDED :	14	
STATUS :	OPERATIONAL	
COUNTRY :	BRAZIL	
AGENCY :	SINDIMAD	
ITTO BUDGET :	102,500.00	
STARTING YEAR :	1993	
PRE-PROJECT:	PPD01/93 Rev.1 (F)	TITLE : FEASIBILITY STUDY FOR THE PREPARATION OF A MANAGEMENT PLAN FOR THE SOUANKE-SEMBRE-KELLE AREA IN NORTHWEST CONGO
SESSION APPROVED :	14	PROJECT DESCRIPTION : This pre-project proposes to undertake a feasibility study for the preparation of a management plan in North-west Congo. This area has not received much priority compared to the forests in the South, however, there is the need for planning to guarantee the sustainable utilization of forest resources. This short, four month pre-project would determine the steps required to develop a comprehensive forest management plan for an area of approximately three million ha.
SESSION FUNDED :	15	
STATUS :	OPERATIONAL	
COUNTRY :	CONGO	
AGENCY :	DIRECTION GENERALE DES EAUX ET FORETS	
ITTO BUDGET :	174,090.00	
STARTING YEAR :	1993	
PRE-PROJECT:	PPD05/93 Rev.1 (F)	TITLE : PREPARATION OF AN INTEGRATED MANAGEMENT PLAN FOR DISTRICT

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : COMPLETED
 COUNTRY : PANAMA
 AGENCY : PEMASKY
 ITTO BUDGET : 222,000.00
 STARTING YEAR : 1994

NO.1 OF THE KUNA YALA INDIAN REGION, AIMED AT THE
 DEVELOPMENT OF AGROFORESTRY (18,000 HA), PRODUCTION FOREST
 (22,000 HA) AND WATERSHED PROTECTION (60,000 HA)

PROJECT DESCRIPTION :

The Kuna Yala Region covers a 3,206 km² area on the Atlantic coast of Panamá, which is made up of a strip of primary forest that extends to the continental divide. This region has a population of about 30,000 spread in 50 communities. The study area itself contains thirty communities with a total population of 7,647. The destruction of the forest and the eventual deterioration of the lands in the Kuna districts, makes it imperative to provide the Kuna farmers with alternatives for sustainable production by establishing agro-forestry systems and ensuring the utilization of forest areas under the sustainable yield criteria. The overall development objective of the project is to contribute to the use, management, and conservation of tropical forests in the Kuna Yala Region and to promote reforestation so as to reduce and avoid the destruction of forests and biological diversity, and to produce economic and social benefits for the indigenous populations.

Two immediate objectives are envisioned:

1. To formulate and implement management plans for the Kuna Yala region and,
2. To improve the standard of living of the indigenous communities settled in the project areas by promoting the rational use and management of renewable natural resources.

PRE-PROJECT: PPD06/93 Rev.1 (F)

TITLE : THE DEVELOPMENT OF GUIDELINES FOR THE PROTECTION OF
 TROPICAL FORESTS AGAINST FIRE

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : PANAMA
 AGENCY : INRENARE
 ITTO BUDGET : 251,407.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

The objective of this Pre-project is to develop principles and a set of possible actions to prevent and manage tropical forest fires, which would be published as ITTO Guidelines for the Protection of Tropical Forests Against Fire. These Guidelines will complement ITTO's Guidelines for: 1) Sustainable Management of Tropical Forests, 2) Planted tropical Forests and 3) Biodiversity Conservation, which when taken together will provide a comprehensive set of reference standards for the development of more specific guidelines at the national level.

PRE-PROJECT: PPD08/93 (F)

TITLE : DEMONSTRATION AREA FOR SUSTAINABLE MANAGEMENT OF
 PRODUCTION FORESTS

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL
 AGENCY : ITTO
 ITTO BUDGET : 110,000.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

This pre-project aims to create awareness of the actual level of performance in achieving sustainable management of tropical production forests and stimulate activities directed at improving the quality of management of production forests by identifying national level areas for demonstration of sustainable forest management of production forests.

PRE-PROJECT: PPD11/93 Rev.2 (F)

TITLE : EVALUATION AND DIAGNOSIS OF CURRENT FOREST HARVESTING
 LICENSING, CONCESSION AND CONTROL SYSTEMS WITHIN A
 FRAMEWORK OF SUSTAINABLE FOREST RESOURCE MANAGEMENT

SESSION APPROVED : 15
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA
 AGENCY : MINISTRY OF THE
 ENVIRONMENT
 ITTO BUDGET : 252,375.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

This pre-project will evaluate current rules, regulations and practices regarding the granting and management of forest concessions in Colombia. The Pre-project will be implemented by the Ministry of the Environment which will establish a technical Committee made-up of representatives from the National Planning Department and the Ministry of Agriculture.

The development objective is to contribute to the sustainable management and use of forest resources in Colombia through the harmonization and improvement of technical criteria and procedures for the granting of harvesting concessions and licences, as well as the establishment of harvesting control and penalty systems.

PRE-PROJECT: PPD12/93 (F)

TITLE : BIOTECHNOLOGY AND SUSTAINABLE PRODUCTION OF TROPICAL
 TIMBER

SESSION APPROVED : 16
 SESSION FUNDED : 16
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL
 AGENCY : ITTO
 ITTO BUDGET : 44,000.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

During its XVth Session, the Council 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 implement this decision.

TITLE : DIAGNOSIS AND DESIGN OF A SUPPORT PROGRAM FOR PLANFOR

PRE-PROJECT: PPD08/94 Rev.2 (F)

PROJECT DESCRIPTION :

SESSION APPROVED : 18
 SESSION FUNDED : 18
 STATUS : OPERATIONAL
 COUNTRY : ECUADOR
 AGENCY : CORMADERA
 ITTO BUDGET : 154,821.00
 STARTING YEAR : 1996

This project intends to support the implementation of PLANFOR through an analysis of the forest problems, the development of appropriate solutions and the methodology to implement them, as well as to mobilize the involvement of the private sector, particularly the rural communities and the timber industry, in afforestation programs and the sustained management of forests.

PRE-PROJECT: PPD06/95 Rev.1 (F)

TITLE : FOREST DEVELOPMENT PLAN FOR THE SUSTAINABLE MANAGEMENT OF FORESTS IN THE DONOSO DISTRICT, PROVINCE OF COLON, REPUBLIC OF PANAMA

SESSION APPROVED : 18
 SESSION FUNDED : 18
 STATUS : OPERATIONAL
 COUNTRY : PANAMA
 AGENCY : INRENARE
 ITTO BUDGET : 250,215.00
 STARTING YEAR : 1996

PROJECT DESCRIPTION :

This pre-project has been developed in response to the conclusions and recommendations made on PD 32/94 Rev.1 (F,I) by the ninth ITTO Expert Panel. The panel recommended that a pre-project proposal be formulated incorporating the suggested modifications. The pre-project should include a brief summary of the 1984 Donoso Forest Inventory prepared by JICA/INRENARE, a biodiversity inventory, and a socio-economic study. Furthermore, the pre-project should result in the development of a project proposal to be submitted to ITTO for the management of the Donoso forest with community involvement.

The final output of this pre-project will be a Forest Development Plan for the Donoso District, covering a total area of 50,000 ha. The Forest Development Plan will propose viable alternatives for sustainable (primary or secondary) natural forests, incorporating measures to lessen the environmental impact of the activities to be implemented and to strengthen community participation.

PRE-PROJECT: PPD08/95 Rev.1 (F)

TITLE : MANGROVE RESOURCE INFORMATION SYSTEM OF THE SCOPE AND CONTENT OF EXISTING DATABASES

SESSION APPROVED : 19
 SESSION FUNDED : 19
 STATUS : OPERATIONAL
 COUNTRY : JAPAN
 AGENCY : ISME
 ITTO BUDGET : 95,970.00
 STARTING YEAR : 1996

PROJECT DESCRIPTION :

The overall, longer-term objective of this project is to establish a user-friendly, GIS-based global Mangrove Resource Information System to provide mangrove forest resource managers with the technical information needed to manage mangrove forests sustainably for multiple uses, including forestry, fisheries and environmental protection.

PRE-PROJECT: PPD17/95 (F)

TITLE : DEVELOPMENT AND PROMOTION OF AFFORESTATION ACTIVITIES IN EGYPT

SESSION APPROVED : 19
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : EGYPT
 AGENCY : MINISTRY OF AGRICULTURE AND LAND RECLAMATION
 ITTO BUDGET : 77,015.00
 STARTING YEAR :

PROJECT DESCRIPTION :

The specific objective of the project is to critically examine various aspects of the forestry situation in Egypt and formulate a project proposal with the long term objective of creating forestry awareness and promoting multipurpose reforestation activities in Egypt.

PRE-PROJECT: PPD18/95 (F)

TITLE : CONSOLIDATION OF SUSTAINABLE FOREST MANAGEMENT IN THE PANAMANIAN MOIST TROPICS THROUGH FOREST EXTENSION AND RESEARCH STRENGTHENING

SESSION APPROVED : 19
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : PANAMA
 AGENCY : INRENARE
 ITTO BUDGET : 50,000.00
 STARTING YEAR :

PROJECT DESCRIPTION :

This pre-project is aimed at consolidating sustainable forest management through research activities and the dissemination of silvicultural information on multiple-use and fast-growing tree plantations as technical support to forest extension activities in Panama.

PROJECT: PD001/93 Rev.1 (I) TITLE : ITTO FELLOWSHIP PROGRAMME - PHASE II

PROJECT DESCRIPTION :

SESSION APPROVED : 14
 SESSION FUNDED : 14
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL
 AGENCY : ITTO
 ITTO BUDGET : 906,448.00
 STARTING YEAR : 1993

This two year project continues the work begun under the first phase of the Fellowship Program PD 60/89 (MFI). 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: PD003.a/87 Rev.2 (I) TITLE : ENHANCING LOCALLY THE VALUE OF LESSER KNOWN SPECIES (MANUFACTURE OF BLOCKBOARDS FROM LESSER KNOWN SPECIES IN CAMEROON)

PROJECT DESCRIPTION :

SESSION APPROVED : 06
 SESSION FUNDED : 06
 STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET : 159,000.00
 STARTING YEAR : 1990

This project document basically proposes the same work program encompassed in its original version [PD 3.a/87 (I)], except for slight modifications in the budget.

This 12-month project will transfer to Cameroon technologies for processing lesser known species wood raw materials into edge-glued panel (translated as "blockboard" in the English version of the project proposal).

A research centre in Cameroon (CENADEFOR) assisted by the "Centre Technique Forestier Tropical" (France) will be responsible for the project development activities. Fifteen to twenty cubic meters of edge-glued panel will be manufactured, of which five cubic meters will be distributed to timber using industries and craftsmen to allow them to become familiar with the characteristics of the product. Additionally, the project includes a 2 - 3 days training session aimed at promoting and raising interest of the private sector in manufacturing and using edge-glued panels. A demonstration house will be constructed.

PROJECT: PD004/87 Rev. 1(I) TITLE : TRAINING IN PLANNING AND MANAGEMENT OF FOREST INDUSTRIES IN DEVELOPING COUNTRIES

PROJECT DESCRIPTION :

SESSION APPROVED : 03
 SESSION FUNDED : 06
 STATUS : COMPLETED
 COUNTRY : GLOBAL (FINLAND)
 AGENCY : FTP
 ITTO BUDGET : 2,182,630.00
 STARTING YEAR : 1990

This 4.5 year project implemented - in Africa, Latin America/Caribbean and Asia/Pacific - training programs with the aim of increasing and improving the appropriateness and contribution of existing and new timber-based industries to regional and sub-regional development. The project included: (1) a survey of the training materials and a review of the curricula of the existing training institutions specializing in forest industries; (2) preparation of appropriate training materials and further-training proposals necessary for forest industries planning, management and operation; (3) designing and holding five seminars to improve the knowledge and skills of about 120 managers of forest industry enterprises and representatives of public agencies from producing regions; and (4) designing and implementing at the national level five complementary and further-training programs on training skills and planning and management of appropriate forest industries.

The project also prepared and printed the following technical documents:

- (i) Planning Forest Industries in Developing Countries;
- (ii) Training in Planning and Management of Forest Industries in Developing Countries (text and slide presentation); and
- (iii) Course Notes and Cases for Group Work.

PROJECT: PD012/87 (I) TITLE : RESEARCH ON UTILIZATION OF TROPICAL TIMBER IN CONSTRUCTION

PROJECT DESCRIPTION :

SESSION APPROVED : 03
 SESSION FUNDED : 08
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FRIM
 ITTO BUDGET : 273,884.00
 STARTING YEAR : 1990

This project consists of a research program in timber housing construction being carried out by the Forest Research Institute of Malaysia, to increase and improve the utilization of timber in housing and building construction in the country. Research emphasis is on timber use and performance in load bearing applications. Expected outputs include several technical papers, manuals and design guides.

PROJECT: PD013/95 Rev.2 (I) TITLE : CAPACITY BUILDING IN TRAINING IN PLANNING AND MANAGEMENT OF FOREST INDUSTRIES IN ITTO PRODUCER MEMBER COUNTRIES

PROJECT DESCRIPTION :

SESSION APPROVED : 18
 SESSION FUNDED :

STATUS : PENDING FINANCE
 COUNTRY : GLOBAL
 AGENCY : FTP
 ITTO BUDGET : 1,302,890.00
 STARTING YEAR :

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. 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 forty education professionals that will participate in the teacher training courses.

PROJECT: PD017/92 Rev.4 (I)

TITLE : TECHNOLOGY TRANSFER/COMMERCIALIZATION OF SELECTED COCOWOOD UTILIZATION TECHNOLOGIES

SESSION APPROVED : 15

SESSION FUNDED : 15

STATUS : OPERATIONAL

COUNTRY : PHILIPPINES

AGENCY : FPRDI

ITTO BUDGET : 766,983.00

STARTING YEAR : 1994

PROJECT DESCRIPTION :

This project will promote technologies for processing and commercialization of cocowood materials for the production of housing components, furniture and other higher value-added products in the Philippines and other Asia/Pacific countries. It will review and update existing know-how on cocowood processing and utilization developed at the Forest Products Research and Development Institute to implement a technology transfer/commercialization program, including at least five pilot technologies for which feasibility studies will be made and relevant equipment produced and tested.

PROJECT: PD017/93 Rev.3 (M,F,I)

TITLE : ITTO NETWORK FOR INFORMATION SHARING AND PROJECT SUPPORT

SESSION APPROVED : 14

SESSION FUNDED : 14

STATUS : OPERATIONAL

COUNTRY : GLOBAL

AGENCY : ITTO

ITTO BUDGET : 1,826,000.00

STARTING YEAR : 1995

PROJECT 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.
- (ii) To improve ITTO's representation and to enhance specific aspects of ITTO's operational activities in producing regions, including 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: PD020/92 Rev.1 (I)

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

SESSION APPROVED : 12

SESSION FUNDED : 12

STATUS : OPERATIONAL

COUNTRY : CHINA

AGENCY : CRIWI/CAF

ITTO BUDGET : 86,700.00

STARTING YEAR : 1992

PROJECT DESCRIPTION :

This 3-year project is producing technical and promotional material to assist Chinese importers and users to properly identify, process and utilize tropical timbers from Africa. The technical literature on African tropical timbers will be reviewed and technical data will be available in computer form for utilization by interested parties in China. The literature review will be complemented by research on wood anatomy and selected physical properties to be implemented in the CRIWI laboratories.

PROJECT: PD020/95 Rev.2 (I) TITLE : CHEMICAL MODIFICATION OF BAMBOO CULMS AND THEIR RESISTANCE TO WEATHERING

SESSION APPROVED : 18
 SESSION FUNDED : 18
 STATUS : OPERATIONAL
 COUNTRY : CHINA
 AGENCY : CHINESE ACADEMY OF SCIENCES
 ITTO BUDGET : 83,345.00
 STARTING YEAR : 1996

PROJECT DESCRIPTION :

This 4-year project will research the use of chemicals to improve bamboo dimensional stability and resistance to biodegradation. The research work will focus on five selected species from Southeast Asia (*Bambusa sinospinosa*, *Phyllostachys pubescens*, *Phyllostachys bambusoides*, *Pseudosasa amabilis*, *Sinocalamus latiflorus*). Laboratory research work and field weathering tests will be preceded by a comprehensive literature survey and by study tours to selected overseas research institutes with recognized knowledge and experience on chemical modification of wood and wood materials.

The project will prepare a technical report on chemically modified bamboos, with information on the selected chemicals and their effects, modification processes, properties of modified bamboos under various conditions, and potential industrial applications of the various chemical treatments and modified bamboos.

PROJECT: PD021/95 Rev.2 (I) TITLE : COMPREHENSIVE STUDIES OF THE STRUCTURE AND PROPERTIES OF RATTANS FOR EFFECTIVE UTILIZATION

SESSION APPROVED : 18
 SESSION FUNDED : 18
 STATUS : OPERATIONAL
 COUNTRY : CHINA
 AGENCY : CHINESE ACADEMY OF SCIENCES
 ITTO BUDGET : 88,620.00
 STARTING YEAR : 1996

PROJECT DESCRIPTION :

This 4-year project will carry out literature studies and research work on rattans to facilitate their import and use by consumers, particularly Chinese consumers. The project will prepare a research report, and establish a data bank with information on structure, physical, mechanical and chemical properties, industrial processing, and utilization of the various species of rattan imported from Southeast Asia.

Project funds requested from ITTO will be mainly used to finance collection of rattan samples in Southeast Asia and laboratory research expenditures in China, as well as to allow study tours to overseas research institutes with recognized experience and knowledge on rattan and rattan research.

PROJECT: PD024/95 Rev.1 (I) TITLE : THE IDENTIFICATION, PROPERTIES AND USES OF THE TROPICAL TIMBER IMPORTED TO CHINA FROM LATIN AMERICA

SESSION APPROVED : 19
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : CHINA
 AGENCY : CRIWI
 ITTO BUDGET : 112,000.00
 STARTING YEAR :

PROJECT DESCRIPTION :

The introduction and general scientific knowledge of Latin American tropical timber species has been hindered in China due to the language barrier. This project would be the third in a series that is addressing this singular problem. Previous projects [PD 41/88 (I) and PD 20/92 (I)], have addressed this identical theme for the Asian and African timber species (both heavily traded timber and LUS). It is envisaged that this project will also produce technical and promotional material to assist Chinese importers and tropical timber users to properly identify, process and utilize wood from Latin America. The development objective of the project is simply to conduct research on the identification, properties and uses of imported and importable timber from Latin America with the goal of increasing the effective utilization of tropical timber and promotion of the trade between the PRC and producing countries in Latin America. The specific objectives are to compile and disseminate information (in Chinese) to potential importers and users of tropical timber. The study will assist the Chinese consumer by providing basic information on the macrostructure and microstructure of the different species. The project duration is for thirty-six months with specimen collection taking place over the first 18 months and analysis beginning in the seventh month.

PROJECT: PD033/95 Rev.3 (I) TITLE : IMPACTS OF INCREASED UTILIZATION OF LESSER-USED SPECIES (LUS)

SESSION APPROVED : 19
 SESSION FUNDED : 19
 STATUS : PENDING CONTRACT
 COUNTRY : GHANA
 AGENCY : FORIG
 ITTO BUDGET : 138,205.00
 STARTING YEAR :

PROJECT 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; studying the socio-economic impacts of forest operations; analyzing the marketing implications; and developing criteria for LUS management within the scope of sustainable forestry.

Building on the suite of ITTO and other agency projects that have examined lesser-used species, the project methodology is based on:

- (i) conducting an extensive literature review;
- (ii) gathering information from experts in producer and consumer countries on the production, utilization, marketing and socio-environmental consequences of LUS utilization; and
- (iii) producing a video documentation of LUS utilization, which will lead to drafting recommended LUS criteria and guidelines.

Of particular interest will be the ecological impact of increased LUS utilization on the forest ecosystem, industry investment, forest management practices and conversion technology at the mill site. As a result, market opportunities will be suggested. 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.

PROJECT: PD039/93 Rev.2 (I)

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

SESSION APPROVED : 15

SESSION FUNDED : 18

STATUS : PENDING CONTRACT

COUNTRY : MALAYSIA

AGENCY : FRIM

ITTO BUDGET : 1,390,195.00

STARTING YEAR :

PROJECT DESCRIPTION :

This 3-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 throughout the three-year project life.

PROJECT: PD046/92 (I)

TITLE : WORLD CONFERENCE ON TROPICAL PLYWOOD IN THE LATIN AMERICA/ CARIBBEAN REGION

SESSION APPROVED : 13

SESSION FUNDED : 13

STATUS : OPERATIONAL

COUNTRY : ECUADOR (REG)

AGENCY : AIMA

ITTO BUDGET : 223,650.00

STARTING YEAR : 1993

PROJECT DESCRIPTION :

This project planned and convened a World Conference on Tropical Plywood in Quito, Ecuador, in a follow-up to a recommendation of the December 1991 World Conference on Tropical Plywood in Asia/Pacific Region [PD 70/89 Rev2. (I)]. The conference provided a forum for exchange of information, consultation and cooperation between producers and consumers of tropical plywood. The conference focussed on the following issues related to the tropical plywood industry:

- (i) global and regional supply and demand prospects;
- (ii) processing advances and improvement of quality, yield and waste reduction;
- (iii) industrial standardization;
- (iv) sustainability of forest resources and year 2000 Objective;
- (v) updating and improvement of forest statistics;
- (vi) restructuring of the plywood industry in consuming countries;
- (vii) transfer of technology to producing countries; and
- (viii) improvement of information and access to markets in consuming countries.

PROJECT: PD047/88 Rev.3 (I)

TITLE : UTILIZATION OF LESSER USED SPECIES AS ALTERNATIVE RAW MATERIALS FOR FOREST-BASED INDUSTRIES

SESSION APPROVED : 11

SESSION FUNDED : 11

STATUS : OPERATIONAL

COUNTRY : PHILIPPINES

AGENCY : FPRDI

ITTO BUDGET : 763,992.60

STARTING YEAR : 1993

PROJECT DESCRIPTION :

This 5-year project is promoting the utilization of 20-24 lesser-known species from the Philippines through research and dissemination of information on wood characteristics and technical properties, as well as by manufacturing and testing selected products.

PROJECT: PD047/94 Rev.3 (I)

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

SESSION APPROVED : 19

SESSION FUNDED : 19

STATUS : PENDING CONTRACT

COUNTRY : HONDURAS

AGENCY : COHDEFOR

ITTO BUDGET : 735,335.00

STARTING YEAR :

PROJECT DESCRIPTION :

This 3-year project will implement 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 (BFDP), supported by the Canadian International Development Agency (CIDA).

The BFDP area 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. About 1,500 farmers live in the area, of which 500 are members of the Colon Agroforestry Regional Cooperative. The project proposes to work with the Cooperative, independent farmers and selected timber industries to study

the harvesting and use of lesser-known species, involving logging in 60 hectares. Five cubic meters per hectare will be harvested in a control area (30 ha) producing traditional species, while thirty cubic meters per hectare will be harvested in the other 30ha, which will have production expanded to include lesser-known species. The total harvesting under the project will be limited to 1,050m³ to allow a study on the ecological impact of LKS extractions and limited processing and market research and trials needed for assessing potential uses and market possibilities.

The ecological research will include basic forest ecology studies as well as assessments of impact of expanded harvesting in forest regeneration, soils, biodiversity and water resources, and non-wood products potential. Appropriate, low-impact harvesting technologies will be studied and included in a field handbook designed to disseminate these techniques, and recommended silvicultural practices to the local farmers.

Another practical handbook will be prepared containing information to improve timber processing, particularly sawing and drying. Literature studies and laboratory and industrial trials will also be carried out to assist determination of end-uses, taking into account national and external markets. A market promotion program will be designed and implemented.

A training program will be implemented along with the project research and studies. Eight hundred farmers will receive training on sustainable forest management and use of forest resources, of which three hundred are women expected to be involved in reforestation and collection of non-wood products. In addition, two hundred workers and technicians from the Cooperative and participating industries will be trained on appropriate harvesting and processing technologies

PROJECT: PD073/89 (I)

TITLE : ASSISTANCE FOR PROJECT IDENTIFICATION AND FORMULATION

SESSION APPROVED : 07
 SESSION FUNDED : 07
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL (ITTO)
 AGENCY : ITTO
 ITTO BUDGET : 1,408,400.00
 STARTING YEAR : 1990

PROJECT 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)

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

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : FUNTAC
 ITTO BUDGET : 1,875,000.00
 STARTING YEAR : 1993

PROJECT 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: PD102/90 (I)

TITLE : DEVELOPMENT OF WAFERBOARD PRODUCTS FROM POTENTIAL TROPICAL WOOD SPECIES FOR BUILDING PRE-FABRICATED HOUSES

SESSION APPROVED : 09
 SESSION FUNDED : 09
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : INPA
 ITTO BUDGET : 71,480.02
 STARTING YEAR : 1992

PROJECT DESCRIPTION :

This 18-month project is implementing a research program on the utilization of Amazonian tropical species for manufacturing waferboard for construction use. Variables included in the project research plan are three species, resin content and pressing time. The experimental boards manufactured under optimum conditions will be used as wall and flooring materials in a prototype house where they will be compared with commercial plywood panels.

PROJECT: PD107/90 (I)

TITLE : STRATEGIES FOR SUSTAINABLE WOOD INDUSTRIES IN SARAWAK

SESSION APPROVED : 09
 SESSION FUNDED : 11
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FORESTRY DEPARTMENT,
 SARAWAK
 ITTO BUDGET : 462,577.50
 STARTING YEAR : 1992

PROJECT DESCRIPTION :

This 13-month project is preparing a sector plan for the development of forest industries in Sarawak. The project work plan includes the following steps:

- (i) review and update market studies;
- (ii) determine the current (and currently proposed) capacity of the wood processing industry;
- (iii) determine forest management units and assess their production potential;
- (iv) determine the product mix which will optimize the economic return to the State; and
- (v) recommend changes to enable the forest sector to produce the optimum product mix.

PROJECT: PD108/90 Rev.1 (I)

TITLE : FORESTRY INDUSTRY DEVELOPMENT STUDIES

SESSION APPROVED : 09

SESSION FUNDED : 09

STATUS : COMPLETED

COUNTRY : PAPUA NEW GUINEA

AGENCY : PNG FOREST AUTHORITY

ITTO BUDGET : 475,000.00

STARTING YEAR : 1992

PROJECT DESCRIPTION :

This 2-year project implemented forest industry development studies with a view to assess the possibilities of increasing socio-economic benefits through establishing appropriate forest industries in Papua New Guinea. The specific objectives of the project were to: (i) undertake a pre-industrial survey to determine where and how Papua New Guinea can utilize its forest resources to its optimum use; and (ii) to evaluate the economic worth of the current processing industries and recommend improvements.

The Forest Industries Development Studies accomplished these two primary goals by providing the PNG Government with a comprehensive recommendation for policy reform in the interests of stimulating forest industrial development and by providing guidelines on the direction that the forest industry structure should take in the coming years. Further, the study has provided the Government with a technical and financial model that can be used as the basis for sustainable forest industry development.

The documents prepared under the project include:

- (i) six separate working documents providing technical details and analyses based on field studies of:
 - sector background working papers and a forest sector review;
 - case studies of the industrial processing sector;
 - a review and projection study of harvesting and transportation systems;
 - a study of financial and economic incentives in the management of PNG's forest resources;
 - a domestic market study; and
 - an international market study.
- (ii) a core report containing salient points of each of the technical reports listed under (i) and a brief analysis on the socio-economic impacts of the proposed strategy for forest development for use by decision makers in drafting and/or confirming forest policy and national forestry development guidelines.

PROJECT: PD109/90 Rev.4 (I)

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

SESSION APPROVED : 12

SESSION FUNDED : 12

STATUS : OPERATIONAL

COUNTRY : COTE D'IVOIRE

AGENCY : SODEFOR

ITTO BUDGET : 680,400.00

STARTING YEAR : 1994

PROJECT 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: PD133/91 Rev.1 (I)

TITLE : TECHNOLOGICAL AND DENDROLOGICAL STUDY ON SCHINOPSIS (ANACARDIACEAE) IN CHIQUITANIA AND THE BOLIVIAN CHACO

SESSION APPROVED : 10

SESSION FUNDED : 10

STATUS : COMPLETED

COUNTRY : BOLIVIA

AGENCY : FORESTRY DEVELOPMENT CENTER

ITTO BUDGET : 129,900.00

STARTING YEAR : 1992

PROJECT DESCRIPTION :

This project researched wood properties and natural regeneration of selected species from the Schinopsis genera growing in the natural forests of Southeastern Bolivia. Five species were included in the studies: *S. brasiliensis*, *S. cornuta*, *S. glabra*, *S. haenkeana* and *S. quebracho-colorado*.

The wood properties and technology studies included:

- (i) the description of the wood anatomy;
- (ii) the determination of physical and mechanical properties;
- (iii) determination of wood tanning content; and
- (iv) laboratory and field tests on wood durability.

The wood technology research results allowed the preparation of technical sheets with detailed description of wood characteristics and wood properties of the species studied. The results indicated that all the five species have the required strength and natural durability for use in both heavy construction and railway sleepers. These properties, coupled with the attractive color and texture of studied timbers, also indicate that the species could be used in the manufacturing of higher value products such as parquet and wood turnings. The high tannin contents indicate that the industrial extraction of tannin polyphenols could also be economically feasible.

However, results of field studies on the species natural regeneration, which included the establishment of five permanent field plots, indicate that natural regeneration of Schinopsis species is not occurring at adequate rates, and the current selective harvesting of best trees of Schinopsis species is adding to the problem. The project recommended the implementation of appropriate forest management plans in southeastern Bolivia, as well as the adoption of appropriate incentives for development of plantations with these species.

<p>PROJECT: PD143/91 Rev.2 (I)</p> <p>SESSION APPROVED : 10 SESSION FUNDED : 10 STATUS : OPERATIONAL COUNTRY : BRAZIL AGENCY : FUNATURA and IBAMA ITTO BUDGET : 374,000.00 STARTING YEAR : 1993</p>	<p>TITLE : NON-WOOD TROPICAL FOREST PRODUCTS: PROCESSING, TRADE AND COLLECTION</p> <p>PROJECT DESCRIPTION :</p> <p>This 2-year project is studying the non-wood forest products of a selected pilot tropical forest area (Tapajos National Forest) in Santarem in the East Brazilian Amazon. The project is surveying both existing and potentially important commercial products and assessing their role in the local and regional economies. The project also focus on assessment of further processing possibilities with the objective of adding value to products which are traded by the local communities with little or no processing at all.</p>
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<p>PROJECT: PD150/91 Rev.1 (I)</p> <p>SESSION APPROVED : 10 SESSION FUNDED : 10 STATUS : OPERATIONAL COUNTRY : PERU (REG) AGENCY : INIA ITTO BUDGET : 550,000.00 STARTING YEAR : 1993</p>	<p>TITLE : IDENTIFICATION AND NOMENCLATURE OF COMMERCIAL TROPICAL TIMBER SPECIES IN THE ANDEAN SUB-REGION</p> <p>PROJECT DESCRIPTION :</p> <p>The objective of this 3-year project is to harmonize nomenclature for major commercial timber species in the Andean Subregion and prepare a practical manual for their dendrological and anatomical identification. The study will include work on 100 species identified in the project proposal. The project will also plan and implement training activities to promote proper identification of species and use of harmonized nomenclature.</p>
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<p>PROJECT: PD152/91 Rev.1 (I)</p> <p>SESSION APPROVED : 10 SESSION FUNDED : 10 STATUS : OPERATIONAL COUNTRY : PERU (REG) AGENCY : INIA ITTO BUDGET : 316,000.00 STARTING YEAR : 1993</p>	<p>TITLE : HARMONIZATION OF TECHNICAL TROPICAL TIMBER STANDARDS IN THE ANDEAN SUB-REGION</p> <p>PROJECT DESCRIPTION :</p> <p>This 2-year project is promoting standardization as a means of improving the quality of Andean tropical timber products and increasing export timber supply and access to consumer markets. The specific objectives of the project are: (i) to identify the main reasons for the limited use of technical standards in the field of forest products in the Andean Sub-Region and to suggest actions to ensure effective use of standards; and (ii) to promote and encourage the use of the sawnwood grading rules of the U.S. National Hardwood Lumber Association (NHLA) in the five Andean Subregion countries.</p>
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<p>PROJECT: PD179/91 Rev.2 (I)</p> <p>SESSION APPROVED : 12 SESSION FUNDED : 12 STATUS : OPERATIONAL COUNTRY : GHANA AGENCY : FORIG ITTO BUDGET : 985,273.00 STARTING YEAR : 1993</p>	<p>TITLE : INDUSTRIAL UTILIZATION AND IMPROVED MARKETING OF SOME GHANAIAN LESSER-USED TIMBER SPECIES FROM SUSTAINABLY MANAGED FORESTS</p> <p>PROJECT DESCRIPTION :</p> <p>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 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.</p>
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PRE-PROJECT:	PP-I/09-11 (PPR 33/94)	TITLE : INSTITUTIONAL STRENGTHENING OF IBAMA'S FOREST PRODUCTS LABORATORY
SESSION APPROVED :	09	PROJECT DESCRIPTION :
SESSION FUNDED :	09	This pre-project study will assist the planning of future research work of IBAMA's Forest Laboratory. The study will review the research and development activities of the Laboratory with a view to adjust and improve its capability. The study will consider that the Laboratory's future work will include the following priority areas: 1) studies and technological research, aiming at improving the knowledge of lesser-known wood species, expanding their commercialization and industrialization possibilities; 2) identification and selection of lesser-known species for industrial use, aiming at the sustainable production of the forest resources; 3) development and dissemination of technology to increase the utilization of woods for different uses.
STATUS :	COMPLETED	
COUNTRY :	BRAZIL	
AGENCY :	IBAMA	
ITTO BUDGET :	56,000.00	
STARTING YEAR :	1992	
PRE-PROJECT:	PP-I/11-18 (PPD 50/91)	TITLE : 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" (PPD 50/91)
SESSION APPROVED :	11	PROJECT DESCRIPTION :
SESSION FUNDED :	11	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:
STATUS :	OPERATIONAL	(a) Assess the wood production situation in Zaire, including the status and prospects for utilization and promotion of lesser-used species.
COUNTRY :	ZAIRE	(b) On the basis of the findings of activity (a) and taking account of 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.
AGENCY :	ITTO	(c) Review and assess availability of appropriate saws and sawdocking 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.
ITTO BUDGET :	44,000.00	
STARTING YEAR :	1992	
PRE-PROJECT:	PP-I/12-19 (PPD 5/91)	TITLE : PRE-FEASIBILITY STUDY ON HARMONIZATION OF TROPICAL PLYWOOD STANDARDS (PPD 5/91)
SESSION APPROVED :	12	PROJECT DESCRIPTION :
SESSION FUNDED :	15	This pre-project is studying feasibility of developing appropriately harmonized tropical plywood standards for use in international trade. The pre-project objectives are as follows:
STATUS :	OPERATIONAL	(i) Review plywood standards of major producing and importing countries.
COUNTRY :	GLOBAL (MALAYSIA))	(ii) Review and assess plywood standards adopted or likely to be adopted by major regional trade blocks such as the EEC and North America.
AGENCY :	ITTO	(iii) Consult major tropical plywood producers with a view to assess the feasibility of developing common standards that may appropriately meet the domestic markets as well as the requirements and standards of major importing markets, and;
ITTO BUDGET :	88,000.00	(iv) Prepare recommendations and proposals for follow-up action if development of harmonized tropical plywood standards are deemed appropriate and feasible.
STARTING YEAR :	1996	
PRE-PROJECT:	PP-I/14-22 (PPD 11/92)	TITLE : REVIEWING AND PREPARING SUPPORTING DOCUMENTS FOR WORK ON GUIDELINES FOR THE DEVELOPMENT OF SUSTAINABLE FOREST INDUSTRIES (PPD 11/92)
SESSION APPROVED :	13	PROJECT DESCRIPTION :
SESSION FUNDED :	14	This pre-project is providing funds for consultancy services and expert meetings and other assistance required by the Permanent Committee on Forest Industry in its work to prepare the ITTO Guidelines for the Development of Sustainable Forest Industries.
STATUS :	OPERATIONAL	
COUNTRY :	GLOBAL (ITTO)	
AGENCY :	ITTO	
ITTO BUDGET :	157,200.00	
STARTING YEAR :	1996	
PRE-PROJECT:	PP-I/15-24 (PPD 9/93)	TITLE : EXPANSION OF THE PRODUCTION CAPABILITY OF SMALL-MEDIUM SCALE FURNITURE MANUFACTURERS FOR THE PURPOSE OF INCREASING MALAYSIA'S EXPORTS OF VALUE-ADDED TIMBER PRODUCTS
SESSION APPROVED :	15	PROJECT DESCRIPTION :
SESSION FUNDED :	15	This pre-project will study the Malaysian production of furniture and furniture parts for export to consumer markets in Asian countries. The studies will focus on Malaysian small scale furniture industries and on possible subcontracting arrangements that could be encouraged between potential partners in Taiwan, Province of China and Japan. The study will also make recommendations on possible incentives and mechanisms to promote subcontracting and partnerships on furniture manufacturing.
STATUS :	OPERATIONAL	
COUNTRY :	MALAYSIA	
AGENCY :	MTIB	
ITTO BUDGET :	62,760.00	
STARTING YEAR :	1996	

PRE-PROJECT:	PP-1/16-25 (PPD 6/94)	TITLE : DEVELOPMENT AND EXTENSION ON THE RUBBERWOOD PROCESSING TECHNOLOGY
SESSION APPROVED :	16	PROJECT DESCRIPTION :
SESSION FUNDED :	16	This pre-project is assisting the Government of China in the reassessment and reformulation of the Chinese project proposal PD 20/94 (I) "Development and Extension on the Rubberwood Processing Technology". The study is providing Chinese scientists with the necessary inputs needed to review the literature on rubberwood processing and utilization and allow direct consultations and visits to rubberwood processing and utilization facilities in Southeast Asia. With the assistance of an expert from Southeast Asia the pre-project will also survey the rubberwood utilization situation in China and design activities to disseminate in China the successful and appropriate processing and manufacturing practices that are common in Southeast Asia.
STATUS :	OPERATIONAL	
COUNTRY :	CHINA	
AGENCY :	CRIWI	
ITTO BUDGET :	26,375.00	
STARTING YEAR :	1995	
PRE-PROJECT:	PP-1/17-26 (PPD 7/94)	TITLE : PROJECT FOR THE ESTABLISHMENT OF THE AIMA FOREST CORPORATION - CORFOAIMA
SESSION APPROVED :	17	PROJECT DESCRIPTION :
SESSION FUNDED :	17	This pre-project will carry out a technical, economical and financial feasibility study on the establishment of a private forest enterprise for implementation of afforestation, reforestation and sustainable forest management activities. The study is expected to lead to the establishment of the enterprise and to the preparation of a project document to seek national and international financing for the enterprises' initial industrial afforestation and reforestation activities.
STATUS :	OPERATIONAL	
COUNTRY :	ECUADOR	
AGENCY :	AIMA	
ITTO BUDGET :	101,491.00	
STARTING YEAR :	1996	The pre-project will also include activities designed to study and to promote transfer of appropriate sawing technologies to the local forest communities operating in the areas selected by the pre-project for plantation and sustainable forest management activities.
PRE-PROJECT:	PP-1/99 (PPD 2/92 R.2)	TITLE : SUSTAINABLE DEVELOPMENT OF THE PLYWOOD INDUSTRY IN LATIN AMERICA (PPD 2/92 Rev.1)
SESSION APPROVED :	12	PROJECT DESCRIPTION :
SESSION FUNDED :	15	This pre-project will conduct a survey to provide updated information on the structure of the Latin American/ Caribbean Plywood Industry. The study will analyze and make available information on location, raw material supply, production capacity, technology, employment, markets, etc., which are essential for planning further development of the plywood sector, particularly in a region where the industry has not developed as expected due to financial and marketing constraints.
STATUS :	PENDING CONTRACT	
COUNTRY :	BRAZIL	
AGENCY :	ABIMCE	
ITTO BUDGET :	115,500.00	
STARTING YEAR :		
PRE-PROJECT:	PPD 11/95 Rev.2 (I)	TITLE : INTERNATIONAL CONFERENCE ON VALUE-ADDED HARDWOOD PROCESSING AND UTILIZATION
SESSION APPROVED :	19	PROJECT DESCRIPTION :
SESSION FUNDED :		This pre-project will convene a conference on value-added hardwood processing and utilization in Ghana. The conference is focussed on the following issues relating to the manufacture of value-added wood products in producer countries:
STATUS :	PENDING FINANCE	(i) to identify value-added manufacturing opportunities in wood products;
COUNTRY :	GHANA	(ii) to explore avenues of giving technical assistance to small and medium-sized timber producing companies; and
AGENCY :	FORIG	(iii) to provide an industry perspective which may be useful in the state policy development process.
ITTO BUDGET :	107,534.00	
STARTING YEAR :		
PRE-PROJECT:	PPD 15/95 Rev.1 (I)	TITLE : GHANA SEMINAR TO PREPARE AND APPROVE PROJECTS FOR NETWORKED RESEARCH INTO THE PROCESSING, UTILIZATION AND MARKETING OF SMALL DIAMETER TIMBER FROM PLANTATIONS IN AFRICA
SESSION APPROVED :	19	PROJECT DESCRIPTION :
SESSION FUNDED :		This pre-project will convene a seminar in Ghana to increase utilization and marketing of products from plantation grown timber. Three networked projects proposed by the project design team are as follows:
STATUS :	PENDING FINANCE	(i) more efficient utilization of small diameter logs;
COUNTRY :	GHANA	(ii) further manufactured production from sawnwood from small plantation grown trees;
AGENCY :	FORIG	(iii) utilization of residues from processing of small plantation grown logs.
ITTO BUDGET :	39,169.42	
STARTING YEAR :		
PRE-PROJECT:	PPD 40/91(I)	TITLE : THE INDUSTRIAL UTILIZATION AND MARKETING OF EUCALYPTUS PLANTATIONS OF THE PROVINCE OF LOJA, ECUADOR

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : COMPLETED
 COUNTRY : ECUADOR
 AGENCY : INEFAN
 ITTO BUDGET : 57,000.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

This pre-project implemented activities aimed at two objectives: (i) to assess the potential options and feasibility of industrial use of small logs from Eucalyptus plantations in Loja, and (ii) to prepare a proposal to assist local indigenous Loja communities to manage and utilize their Eucalyptus plantations.

The situation assessment, made by INEFAN, the Ecuadorean Institute for Forests, led to the preparation of a report with detailed information on the 5,000 hectare Eucalyptus plantation established in the province of La Loja. The report includes information on the management of these plantations and on the production trade and uses of Eucalyptus plantation wood from La Loja province. It also identified, though on a preliminary basis, sawmilling and wood chipping as potential industrial operations to improve utilization of La Loja Eucalyptus plantations. The pre-project allowed the preparation of a proposal to implement activities designed to further study and establish the real potential of Eucalyptus wood from Loja in the national and international markets.

PRE-PROJECT: PPD 42/91(PP-I/10-15)

TITLE : TECHNICAL AND ECONOMIC FEASIBILITY OF LARGE-SCALE CONSTRUCTION OF WOODEN HOUSES

SESSION APPROVED : 10
 SESSION FUNDED : 10
 STATUS : COMPLETED
 COUNTRY : BRAZIL
 AGENCY : IBAMA and FUNATURA
 ITTO BUDGET : 77,500.00
 STARTING YEAR : 1993

PROJECT DESCRIPTION :

This pre-project reviewed the use of wood construction in Latin America, in general, and in more detail in Brazil, where 45 percent of the total lumber production is used in housing construction, though most of it in temporary uses such as concrete formwork.

The study considered the technical, economical and environmental issues related to the use of wood in construction in the region and assessed past programs implemented to promote wider utilization of wood by the building industry, including the comprehensive program implemented by the Andean Pact countries to develop and promote wooden housing.

The study considered further actions needed to promote wood construction and developed a project profile for the implementation of training, extension and promotion activities designed to facilitate and increase the use of wood by the building industry. The planned project is to cover Brazil, Ecuador and Peru and will involve the construction of 600 houses using wood and other raw materials.

PRE-PROJECT: PPD 8/92 (I)

TITLE : PRE-PROJECT STUDY ON THE CREATION OF A CENTER FOR THE PROMOTION OF LESSER KNOWN SPECIES IN EUROPE

SESSION APPROVED : 13
 SESSION FUNDED : 14
 STATUS : COMPLETED
 COUNTRY : CAMEROON
 AGENCY : ONADEF and CTFT
 ITTO BUDGET : 52,500.00
 STARTING YEAR : 1994

PROJECT DESCRIPTION :

The pre-project prepared a revised project proposal [PD 5/92 Rev.2 (I)] for the establishment of a Center for the promotion of African tropical timbers species in Europe. The Center will have the following objectives:

- (i) to provide a means for the two-way flow of information between producer and consumer countries of tropical hardwoods regarding, on the one hand, the technical properties, sources and sustainable availability of different species and qualities and, on the other, markets, end-uses, required technical properties, etc.;
- (ii) to make available to industries in consumer countries small quantities of selected species for trial manufacturing runs;
- (iii) to provide a technical advisory service to importers, converters (wood-working industries) and others in consumer countries, especially small and medium-size enterprises, on the suitability of lesser known species for particular uses;
- (iv) to provide a service to assist traders in producer and consumer countries, especially small and medium-size enterprises, to establish commercial contacts for developing the trade and markets in lesser known species.

PRE-PROJECT: PPD 9/94 Rev.2 (I)

TITLE : VALUE-ADDED WOOD PROCESSING OF FAST GROWING TROPICAL SPECIES

SESSION APPROVED : 17
 SESSION FUNDED : 17
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL
 AGENCY : JOFCA
 ITTO BUDGET : 177,517.00
 STARTING YEAR : 1995

PROJECT DESCRIPTION :

The pre-project will study the present status of wood processing techniques of fast growing plantation species and their marketability.

This study has identified 18 fast growing species from producing countries. The pre-project is going to test the physical properties and determine characteristics of the application of processing technology for the selected species.

In addition, the pre-project will carry out a market study on processed wood in Asia (Japan, South Korea, Taiwan, Province of China), Europe and U.S.A.

ANNEX 2
Status of Members as at 31 December 1995
(ITTA, 1983)

<u>Member</u>	<u>Provisional Signature</u>	<u>Provisional application</u>	<u>Ratification, accession (a), acceptance (A) approval (AA)</u>
Australia			16 Feb 1988
Austria			6 Mar 1986 (a)
Belgium/Luxembourg	29 Jun 1984	28 Sep 1984	21 Feb 1986
Bolivia	1 Nov 1984	25 Jun 1985	
Brazil	31 Mar 1985	31 Mar 1985	
Cameroon	15 Apr 1985	14 Jun 1985	19 Nov 1985
Canada			21 May 1986 (a)
China			2 Jul 1986 (a)
Colombia			27 Mar 1990 (a)
Congo	7 Mar 1985		28 Mar 1985
Côte d'Ivoire	27 Mar 1985	27 Mar 1985	
Denmark	29 Jun 1984		28 Sep 1984
Ecuador	31 Mar 1985	31 Mar 1985	19 Jan 1988
Egypt	31 Mar 1985	31 Mar 1985	16 Jan 1986
European Union	29 Jun 1984	29 Mar 1985	
Fiji			9 Aug 1995 (a)
Finland	10 May 1984		13 Feb 1985
France	29 Jun 1984	29 Jun 1984	6 Aug 1985 (AA)
Gabon	26 Sep 1984	19 Mar 1985	18 Nov 1988
Germany	29 Jun 1984	29 Jun 1984	21 Mar 1986
Ghana	29 Mar 1985		29 Mar 1985
Greece	29 Jun 1984	28 Nov 1984	26 Jul 1988
Guyana			7 Oct 1992 (a)
Honduras	27 Sep 1984	29 Mar 1985	
India			19 Feb 1986 (a)
Indonesia	13 Jun 1984		9 Oct 1984
Ireland	29 Jun 1984		4 Oct 1984
Italy	29 Jun 1984		29 Mar 1985
Japan	28 Mar 1984		28 Jun 1984 (A)
Liberia	8 Mar 1984		29 Mar 1985
Malaysia	14 Dec 1984		14 Dec 1984
Myanmar			16 Nov 1993 (a)
Nepal			3 Jul 1990 (a)
Netherlands	29 Jun 1984	20 Sep 1984	29 May 1987 (A)
New Zealand			5 Aug 1992 (a)
Norway	23 Mar 1984		21 Aug 1984
Panama			3 Mar 1989 (a)
Papua New Guinea			27 Nov 1986 (a)
Peru	31 Mar 1985	31 Mar 1985	
Philippines	31 Mar 1985	31 Mar 1985	
Portugal			3 Jul 1989 (a)
Republic of Korea			25 Jun 1986 (a)
Spain	27 Feb 1985	24 Apr 1985	1 Apr 1986
Sweden	23 Mar 1984		9 Nov 1984
Switzerland	30 Apr 1985		9 May 1985
Thailand			9 Oct 1985 (a)
Togo			8 May 1990 (a)
Trinidad & Tobago	29 Apr 1985		9 May 1986
Union of Soviet Socialist Republics	28 Mar 1985		20 May 1985 (A)
United Kingdom	29 Jun 1984		18 Sep 1984
United States of America	6 Apr 1985	26 Apr 1985	25 May 1990 (A)
Venezuela			31 March 1994 (a)
Zaire			20 Nov 1990 (a)

ANNEX 3
Position of the ITTA, 1994 as at 31 December 1995

	<u>Action</u>	<u>Date</u>
Consumers		
Australia	---	---
Canada	Signature	3 May 1995
China	---	---
Egypt	Signature	8 November 1994
European Union	---	---
Austria	---	---
Belgium	---	---
Denmark	---	---
Finland	---	---
France	---	---
Germany	Signature/prov. Application	30 August 1995
Greece	---	---
Ireland	---	---
Italy	---	---
Netherlands	Signature/prov. Application	6 July 1995
Portugal	---	---
Spain	---	---
Sweden	---	---
United Kingdom	---	---
Japan	Prov. Application/Acceptance	13 December 1994
Nepal	---	---
New Zealand	Definitive signature	6 June 1995
Norway	Ratification	1 February 1995
Republic of Korea	Signature/Ratification	12 September 1995
Russian Federation	---	---
Switzerland	Signature	29 August 1995
United States of America	Signature	1 July 1994
Producers		
Bolivia	Signature/Ratification	17 August 1995
Brazil	---	---
Cambodia	Signature/Acceptance	3 February 1995
Cameroon	Signature/Prov. Application	22 Dec. 1994/ 31 Aug. 1995
Colombia	Signature	8 November 1995
Congo	Signature/Prov. Application	22 Jun. 1994/25 Oct. 1995
Côte d'Ivoire	---	---
Ecuador	Signature/Ratification	1 Jun. 1994/6 Sep. 1995
Fiji	Signature/Prov. Application	27 Jan. 1995
Gabon	Signature/Prov. Application	27 May 1994/ 2 Aug. 1995
Ghana	Signature/Ratification	12 Jul. 1995/ 28 Aug. 1995
Guyana	---	---
Honduras	Signature/Prov. Application	9 May 1995/ 2 Nov. 1995
India	---	---
Indonesia	Signature/Ratification	21 Apr. 1994/ 17 Feb. 1995
Liberia	Definitive Signature	19 December 1994
Malaysia	Signature/Ratification	14 Feb. 1995/ 1 Mar. 1995
Myanmar	Signature	6 July 1995
Panama	Signature/Ratification	22 Jun. 1994/ 4 May 1995
Papua New Guinea	Signature and Prov. Application	28 August 1995
Peru	Signature/Ratification	28 Aug. 1995/ 21 Sep. 1995
Philippines	Signature	29 Sep. 1995
Thailand	---	---
Togo	Signature/Acceptance	12 Jul. 1994/ 4 Oct. 1995
Trinidad & Tobago	Signature	4 October 1995
Venezuela	---	---
Zaire	---	---

ANNEX 4
Professional Members of the ITTO Secretariat
as at 31 December 1995

- Dr. B.C.Y. Freezailah
Executive Director
- Mr. J.E.K. Aggrey-Orleans
Assistant Director
Economic Information and Market Intelligence
- Dr. Manoel Sobral Filho
Assistant Director
Forest Industry
- Mr. Lachlan A.J. Hunter
Assistant Director
Management Services
- Dr. Svend Korsgaard
Assistant Director
Reforestation and Forest Management
- Mr. Michael Adams
Market Information Service Coordinator
Economic Information and Market Intelligence
- Mr. Takeichi Ishikawa
Projects Manager
Forest Industry
- Dr. Steven E. Johnson
Statistician
Economic Information and Market Intelligence
- Mr. Charas Mayura
Finance/Administrative Officer
Management Services
- Mr. Emmanuel Ze Meka
Projects Manager
Reforestation and Forest Management
- Mr. John J. Leigh
Systems Analyst
Economic Information and Market Intelligence
- Dr. Douglas C. Pattie
Projects Manager
Forest Industry
- Dr. Efransjah
Projects Manager
Reforestation and Forest Management
- Mr. Alistair Sarre
Editor/Newsletter Coordinator
Forest Industry

ANNEX 5
1995 ITTO Publications

General Information

1. GI - 6 Annual Report 1994
2. GI - 7 Annual Review and Assessment of the World Tropical Timber Situation, 1993-1994
3. GI - 8 Reports of the Sessions of the International Tropical Timber Council and Permanent Committees on Reforestation and Forest Management (PCF), Forest Industry (PCI), and Economic Information and Market Intelligence (PCM)
ITTTC(XVII) & PC(XV) - Yokohama, Japan, November 1994
ITTTC(XVIII) & PC(XVI) - Accra, Ghana, May 1995

Reports of Seminars, Workshops and other Meetings

4. SRS-16 Women and Forestry: A Look at African Experiences, Accra, Ghana, 12-16 October 1992
5. SRS-17 Tropical Forestry and Timber Trade Statistics, Kuala Lumpur, Malaysia, 18 October - 5 November 1993
6. SRS-18 Proceedings of the Workshop on Development and Dissemination of Re-forestation Techniques of Mangrove Forests, Bangkok, Thailand, 18-20 April 1994, JAM, 1994
7. SRS-19 Guide for Establishing Tropical Forests and Timber Trade Statistics, Dschang, Cameroon, 1993
8. SRS-20 Second International Training Seminar in Statistics for Tropical Forestry, Cali, Colombia, 1-19 March, 1993
9. SRS-21 Fourth International Training Seminar in Statistics for Tropical Forestry, Cali, Colombia, May 25-June 1994
10. SRS-22 Second International Seminar for Establishing Tropical Forests and Timber Trade Statistics, Cap-Esterias, Gabon, 8-27 August 1994
11. SRS-23 Tropical Forestry and Timber Trade Statistics, Kuala Lumpur, Malaysia, 28 Nov. - 16 Dec. 1994

Pre-Project Reports

12. PPR 33/94 (I) Institutional Strengthening of IBAMA's Forest Products Laboratory, 1994.
13. PPR 34/94 (I) Industrial Utilization and Marketing of Eucalyptus Plantations of Plantations of the Province of Loja, 1995
14. PPR 35/95 (M) Implementation of a forest Statistical Information System
15. PPR 36/95 (F) Rev.1 Lineamientos y Estrategias de Politica para el Desarrollo Forestal Sustentable

Other Publications

16. OP - 13 PROSEA: Plant Resources of South-East Asia 5 (1) Timber Trees: Major Commercial Timbers, 1994

ANNEX 6

Contributions to the Special Account

	1995	1994
PRE-PROJECT SUB-ACCOUNT:		
AUSTRALIA	\$38,446.66	\$33,185.61
AUSTRIA	\$0.00	\$20,000.00
CANADA	\$0.00	\$56,472.60
DENMARK	\$75,000.00	\$35,982.50
FINLAND	\$0.00	\$36,000.00
JAPAN (*)	\$12,115,332.00	\$0.00
NORWAY	\$35,942.17	\$0.00
THE NETHERLANDS	\$0.00	\$28,800.00
SWEDEN	\$0.00	\$0.00
SWITZERLAND	\$0.00	\$36,000.00
UNITED KINGDOM	\$0.00	\$51,196.54
U.S.A.	\$275,000.00	\$415,910.00
EUROPEAN UNION COMMISSION	\$0.00	\$84,770.00
PRIVATE - PILOT CLUB	\$1,017.82	\$971.08
PRIVATE - OTHERS	\$0.00	\$4,777.84
	<hr/>	<hr/>
Total:	\$12,540,738.65	\$804,066.17
	<hr/>	<hr/>

PROJECT SUB-ACCOUNT

AUSTRALIA	\$72,454.35	\$84,109.12
AUSTRIA	\$150,000.00	\$0.00
DENMARK	\$0.00	\$674,985.00
FRANCE	\$39,369.30	\$0.00
JAPAN	\$908,013.67	\$16,506,467.87
THE NETHERLANDS	\$442,865.93	\$365,426.00
NORWAY	\$110,015.00	\$89,992.00
SWITZERLAND	\$1,834,924.83	\$703,053.00
UNITED KINGDOM	\$272,000.00	\$115,090.00
UNITED STATES OF AMERICA	\$847,000.00	\$1,885,996.00
COMMON FUND FOR COMMODITIES	\$54,926.00	\$156,876.01
JLIA	\$50,927.00	\$97,133.00
PRIVATE - ITO YOKADO CORP.	\$61,422.00	\$49,066.75
PRIVATE - OTHERS	\$123.42	\$0.00
	<hr/>	<hr/>
Total:	\$4,844,041.50	\$20,728,194.75
	<hr/>	<hr/>

(*) Part of these funds was later allocated to the Project Sub-Account.



ITTO

INTERNATIONAL TROPICAL
TIMBER COUNCIL

Distr.
GENERAL

ITTC(XX)/2/Amend.1
26 April 1996

Original: ENGLISH

TWENTIETH SESSION
15-23 May 1996
Manila, Philippines

ERRATA - List of the Draft Annual Report for 1995

- Page 1.** Last line "Annex 1" should read "Annex 2"
- Page 7.** Section 1.8, line 2 "1 July 1995" should read "1 September 1995"
- Annex 4.** Under "Mr. Takeichi Ishikawa" add "from 1 July 1995, Information Officer, Management Services"
- Under "Mr. John J. Leigh" add "from 1 July 1995 Conservation Officer, Reforestation and Forest Management"
- Annex 5.** 11. SRS-23 "Tibmer" should read "Timber"

Change:

16. OP-13 "PROSEA: Plant Resources of South-East Asia. 5 (2) Timber Trees: Minor Commercial Timbers 1995"

Add the following to "Other Publications":

Tree Flora of Sabah and Sarawak Volume One. Ed.E. Soepadmo and K.M. Wong (ITTO/Government of Malaysia/ODA, U.K. 1995)

A Sabah Gazetter by Joseph Tangah and K.M. Wong (ITTO/Government of Malaysia/ODA, U.K. 1995)

Guide to Preparing and Editing Manuscripts by E. Soepadmo and K.M. Wong (ITTO/Government of Malaysia/ODA, U.K. 1995)

Directrizes da OIMT para o Manejo sustentado de Florestas Tropicais Naturais (Portuguese versions of ITTO's Policy Development Series 1)

Cr terios para Avalia o de Manejo Sustentado de Floresta Tropical (Portuguese versions of ITTO's Policy Development Series 3)

/...

Journey Amongst Mangroves, 1995

Estudio Tecnológico y Dendrológico del Género *Schinopsis*, 1995

La Conservation de la diversité biologique dans les forêts tropicales aménagées, 1995

La Conservación de la diversidad biológica en los bosques tropicales bajo régimen de ordenación, 1995

* The Secretariat regrets the above errors. Other changes made by Council will be incorporated in the final report.