



ITTO

**INTERNATIONAL TROPICAL
TIMBER COUNCIL**

Distr.
GENERAL

ITTC(XXII)/2
26 February 1997

Original: ENGLISH

TWENTY-SECOND SESSION
21-29 May 1997
Santa Cruz de la Sierra, Bolivia

DRAFT ANNUAL REPORT FOR 1996

(Item 19 of the provisional Agenda)

1. ORGANIZATION, ADMINISTRATION AND SUMMARY OF ACTIVITIES

1.1 MEMBERSHIP

This was the final year of operation of the International Tropical Timber Agreement, 1983, which expired on 31 December 1996. The Agreement had been in force since May 1985. The fifty-three Members of the ITTO listed below accounted for over 80% of the world's closed moist tropical forest and more than 95% of the international trade in tropical timber.

CURRENT MEMBERSHIP OF ITTO (under ITTA, 1983)

31.12.1996

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

Europe

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

N. America

Canada
United States of America

Asia

China
Japan
Nepal
Republic of Korea

Oceania

Australia
New Zealand

N. Africa

Egypt

The status of Members as of 31 December 1996 in terms of the ITTA, 1983 is summarized in Annex 2.

1.2 INTERNATIONAL TROPICAL TIMBER COUNCIL

1.2.1 Officers of the Council

At the Nineteenth Session, the Council had elected Mr. Don Wije-wardana (New Zealand) as its Chairman and H.E. Ambassador Wisber Loeis (Indonesia) as its Vice-Chairman for 1996. Decisions on both of these appointments were unanimous. During the year under review, Mr. David Drake (Canada) served as Spokesperson for the Consumer Group. At the Twentieth Session, Mr. Amha Buang (Malaysia) served as Spokesperson for the Producers; he was succeeded at the Twenty-first Session by Mr. Edward Nsenkyire (Ghana).

1.2.2 Twentieth Session of the Council

The Twentieth Session of the ITTC was held in Manila, Philippines, from 15 to 23 May 1996. The Session was attended by 43 ITTO Members and 21 Observers from States, U.N. bodies and specialized agencies, inter-governmental and non-governmental organizations, the last-named representing conservation groups and timber trade associations among others.

The Session was chaired by Mr. Don Wije-Wardana, Chairman of the Council. The President of the Republic of the Philippines, H.E. Mr. Fidel V. Ramos made a speech of welcome, and the Ghanaian Minister of Lands and Forests, H.E. Dr. Kwabena Adjei, also spoke at the opening ceremony.

Voluntary contributions to the Special Account announced included approximately 1.646 billion yen from Japan and US\$10.000 from the Republic of Korea.

1.2.3 Twenty-first Session of the Council

The Twenty-first Session of the ITTC was held in Yokohama, Japan, from 13 to 20 November 1996. The Session was attended by 44 ITTO Members and 22 Observers from States, U.N. bodies and specialized agencies, inter-governmental and non-governmental organizations, the last-named representing conservation groups, academic institutions and timber trade associations among others.

The Session was chaired by the Vice-Chairman, H.E. Mr. Wisber Loeis (Indonesia), owing to the absence of the Chairman, Mr. Don Wije-Wardana (New Zealand) on health grounds.

Voluntary contributions to the Special Account announced included approximately 3 million Swiss Francs from Switzerland and approximately US\$427,000 from the Netherlands.

1.3 THE PERMANENT COMMITTEES

1.3.1 Officers of the Permanent Committees

During 1996 Dr. Achmad Sumitro (Indonesia) and Mr. Geoffrey Pleydell (U.K.) served as Chairman and Vice-Chairman respectively of the Permanent Committee on Economic Information and Market Intelligence. At its Nineteenth Session, the Committee elected Mr. Geoffrey Pleydell (U.K.) and Dr. Roszehan Mohd. Idrus (Malaysia) as Chairman and Vice-Chairman for 1997.

Mr. Angel Murillo (Honduras) and Mr. Jürgen Blaser (Switzerland) served as Chairman and Vice-Chairman respectively of the Permanent Committee on Reforestation and Forest Management during the year. At its Nineteenth Session, the Committee elected Mr. Jürgen Blaser (Switzerland) and Mr. Anoh Emile Jean Claude (Côte d'Ivoire) as Chairman and Vice-Chairman for 1997.

Mr. Kim Young-han (Republic of Korea) chaired the Permanent Committee on Forest Industry throughout the year and Mr. Bile Allogho Joachim (Gabon) served as its Vice-Chairman. At its Nineteenth Session, the Committee elected Mr. Bile Allogho Joachim (Gabon) to the Chair for 1997, and Ms. Aulikki Kauppila (Finland) to the Vice-Chair.

1.3.2 Eighteenth Sessions of the Permanent Committees

These Sessions were held in conjunction with the Twentieth Session of the Council in Manila, Philippines, from 15 to 23 May 1996.

The Annual Market Discussions, held under the auspices of the Permanent Committees in Joint Session, addressed the theme "Changing Trade Flows in the Light of Sustainable Forest Management." For the first time, the Discussions were organized and moderated by the trade representatives. Participants considered the rapid emergence of Asian importers as major operators in Latin America and Africa and the general phenomenon of relocation of Asian logging operations to resource-rich countries. Plantations were discussed with special emphasis on teak and rubberwood. The changing pattern of trade was examined, including the roles of the panel sector and the rising domestic markets of several developing countries, and the import of temperate timber by some tropical countries. There was a general agreement to continue the same style of Market Discussions at future Sessions.

The three Committees technically appraised a total of 24 projects and pre-projects and recommended that 13 projects and 8 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 109 applications under project PD 1/93 Rev.1 (M,F,I) and proposed the names of 34 awardees to the Council for its approval.

1.3.3 Nineteenth Sessions of the Permanent Committees

These Sessions were held in conjunction with the Twenty-first Session of the Council in Yokohama, Japan, from 13 to 20 November 1996.

The three Committees technically appraised a total of 22 projects and pre-projects and recommended that 12 projects and 8 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 considered 152 applications under project PD 1/93 Rev.1 (M,F,I) and proposed the names of 34 awardees to Council for its approval.

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

Table 1. Summary of Projects, Pre-projects, and other Approved Activities Funded in 1996 (in US\$)

	PROJECTS		PRE-PROJECTS		ACTIVITIES		TOTAL	
	No.	ITTO Funding	No.	ITTO Funding	No.	ITTO Funding	No.	ITTO Funding
Economic Information and Market Intelligence	6	2,695,182	1	39,350	--	--	7	2,734,532
Reforestation and Forest Management	13	10,113,878	13	890,315	--	--	26	11,004,193
Forest Industry	11	3,207,233	6	365,950	--	--	17	3,573,183
Council	--	--	--	--	8	1,017,690	8	1,017,690
TOTAL	30	16,016,293	20	1,295,615	8	1,017,690	58	18,329,598

Note:

- (1) "Activities" approved by the Council include *inter alia* the bi-annual Expert Panels for the Technical Appraisal of Project Proposals, other Panels and Working Groups with specific objectives and major consultancy assignments.
- (2) Figures include extensions and new phases of existing projects (10), pre-projects (4), and activities (1).

Table 2. Projects, Pre-Projects and Other Approved Activities Funded for All Divisions 1987-1996 {ITTC(II) - ITTC(XXI)} (In US \$)

WORK	STATUS	No.	TOTAL BUDGET	ITTO FUNDING
Projects	Completed	106		\$ 37,133,766
	Operational	92		\$ 76,084,654
	Pending Contract	15		\$ 7,745,960
	Sub-Total	213		\$ 120,964,380
Pre-projects	Completed	58		\$ 6,199,850
	Operational	26		\$ 2,537,363
	Pending Contract	5		\$ 378,960
	On hold	1		\$ 25,000
Sub-Total	90		\$ 9,141,173	
Approved Activities	Completed	45		\$ 6,002,826
	Operational	10		\$ 1,166,064
	Pending Contract	2		\$ 418,803
	Sub-Total	57		\$ 7,587,693
TOTALS		352		\$ 137,693,246

As in previous years, approvals in the field of reforestation and forest management accounted for about two-thirds of the total, although in 1996 there was a rise in the number of approvals in the field of Forest Industry. It should be recalled that all ITTO funding is by grant. Annex 1 gives further details of individual projects and pre-projects, and Annex 5 lists contributions to the Special Account during the year.

1.5 SUMMARY OF THE WORLD TROPICAL TIMBER SITUATION

This summary provides data on production and trade of tropical forest products and the status of tropical forests in ITTO member countries, based on ITTO's 1996 Annual Review and Assessment of the World Tropical Timber Situation (ITTO document GI-7/96). Data are presented up to and including 1996 based on projections or estimates made in the third quarter of that year. However, 1994 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 132.0 million m³ in 1995, a 3% decrease from 1994 levels. Log production decreased again in 1996, to 126.8 million m³, due to decreases in Asia and Africa. The proportion of logs domestically processed in Africa fell from almost 70% in 1992 to an average of 60% in the 1994-96 period (largely due to increased log exports to Asia). The Asian figure for domestic processing grew from 84% to 88% over the same period and is expected to continue growing to over 90%. This reflects increasing populations, growing economies and the emphasis on exporting value-added products in this region. Latin American countries processed virtually all tropical logs produced in 1994-96. Sawnwood production by ITTO producers totalled 41.1 million m³ in 1995, down nearly 2% from 1994 levels. This decrease was due to production falling throughout Asia, which masked continuing production increases in Latin America. In 1996 sawnwood production decreased further to 40.4 million m³. Tropical hardwood veneer production remained steady at just over 3 million m³ in 1995, a level maintained since 1993. Production by ITTO producer members increased to over 3.2 million m³ in 1996, with rising Asian production leading increases in all three tropical regions. ITTO producer countries' plywood production rose by almost 10% in 1995, to 15.6 million m³. This increase was primarily due to growth in Indonesian and Malaysian plywood production. Indonesia's plywood production recovered in 1995 from a major decline in 1994, while Malaysia's production continued its steady climb. Plywood production in producer countries fell to 15.1 million m³ in 1996. ITTO consumer countries also produced substantial quantities of tropical timber products in 1995. Tropical China and Australia produced a total of 0.7 million m³ of tropical logs. Consumer countries produced 2.7 million m³ of sawnwood, 0.5 million m³ of veneer and 5.6 million m³ of plywood, largely from imported tropical logs. Production levels of tropical sawnwood, veneer and plywood in ITTO consumer countries dropped in 1996 as the supply of tropical logs available for processing continued to shrink.

Total ITTO producer country exports of primary tropical timber products were worth \$11.5 billion in both 1994 and 1995, with Asia accounting for 79% of this total, Africa for 14% and Latin America the remainder. ITTO producer countries exported 15.0 million m³ of logs in 1995 worth \$2.3 billion, with Malaysia providing 53% of this volume, down from almost three-quarters in 1992. Log exports in 1995 were down almost 10% from 1994 levels, continuing the steady decline of the past decade. Rapidly declining Malaysian log exports together with stricter controls on African exports led to a further fall to 13.2 million m³ in 1996, a near halving of ITTO's tropical log exports in just five years. Sawnwood exports by producer members fell almost 7% to 7.9 million m³ valued at over \$2.8 billion in 1995, declining further to 7.3 million m³ in 1996. Falling Asian (primarily Malaysian) sawnwood exports account for these decreases. However, Malaysia remained the largest tropical sawnwood exporter in 1995, accounting for 53% 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 is already being felt and will continue to affect the tropical timber trade. Tropical veneer exports by producer members fell almost 4% in 1995 to 1 million m³ (valued at \$462 million), falling further to 984 000 m³ in 1996. Plywood was the only primary tropical timber product for which exports from ITTO producer countries increased in 1995, up over 10% from 1994 levels to 12.4 million m³ worth \$5.9 billion. This increase was due to a reported recovery in Indonesian exports in 1995 and the continuing expansion in Malaysian exports; together, the two constituted over 93% of ITTO producer country plywood exports in 1995. Exports declined to 12.2 million m³ in 1996. Malaysia's plywood exports, which have risen from 10% in 1991 to almost 30% of ITTO exports in 1996, appear to be levelling off. The decision to restart log exports from Sabah, taken in late 1996, may affect future domestic log availability in the Malaysian state and thus exports of plywood and other processed products. ITTO consumer countries also exported or re-exported substantial quantities of tropical timber in 1995, led by sawnwood and plywood exports of 230 000 and 394 000 m³ respectively. Log and veneer exports by consumer countries are smaller (128 000 and 65 000 m³ respectively in 1995). Sawnwood, veneer and plywood exports by consumer countries increased slightly in 1996, with log re-exports experiencing a significant decline, reflecting decreased availability/demand for tropical logs in Europe, where the majority of the trade in tropical timber products between consumer countries occurs. The total value of exports by consumer countries in 1995 was

\$557 million, bringing the ITTO total tropical timber export value figure to just under \$12.1 billion. This figure was virtually unchanged from 1994, when it constituted about 10% of the global value of all timber products exported.

Total consumer country imports of tropical timber products in 1994 were worth \$11.9 billion, dropping to \$11.7 billion in 1995, with Japan (37%), the European Union (EU - 26%), China - including Taiwan Province of China - (21%) and Korea (9%) the main importers by value. Producer country imports of tropical timber products totalled almost \$1.3 billion in 1994, rising to over \$1.5 billion in 1995, giving a total ITTO import value of \$13.2 billion. Thailand (71%) and the Philippines (11%) were the main producer country importers by value.

Tropical hardwood log imports by ITTO consumer countries fell by almost 9% to 14.6 million m³, worth \$3.1 billion, in 1995. If imports by producing members are taken into account, total 1995 tropical log imports by ITTO members were 17.3 million m³ (valued at almost \$3.7 billion), 6% less than in 1994. The 1995 total log import figure is 2.2 million m³ greater than total ITTO exports, with the shortfall presumably made up by non-ITTO 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 increased to 2.6 million m³ in 1996, indicating that additional pressure was probably placed on non-ITTO log suppliers. Japan maintained its position as the dominant importer of tropical logs in 1995, accounting for over 45% of all consumer country log imports, despite a drop in imports of over 13% to 6.5 million m³. Japanese tropical log imports dropped further to 6.4 million m³ in 1996. Thailand and the Philippines are the major ITTO producing country log importers, at 1.3 million m³ and 0.5 million m³ respectively in 1995. Imports by Thailand fell sharply in 1996, while those of the Philippines continued to increase.

Thailand's imports of tropical sawnwood tumbled almost 17% to just under 2 million m³ in 1995 and further to under 1.75 million m³ in 1996. Despite these drops in imports, Thailand remains ITTO's largest tropical sawnwood importer. Japan's imports of tropical sawnwood were stable at almost 1.3 million m³ in 1995, declining to just over one million m³ in 1996. Almost all other major tropical sawnwood importing countries had relatively stable or declining imports of tropical sawnwood in 1995-96. The decrease in total ITTO tropical sawnwood imports of over 4% (to 9.4 million m³ valued at almost \$3.9 billion) in 1995 is primarily attributable to the decrease in Thai imports. Total ITTO imports fell to 8.5 million m³ in 1996, about one million m³ greater than total ITTO exports of tropical sawnwood in these years, with the gap explained by the same factors given for logs.

Total ITTO veneer imports increased by 12% in 1995, to 1.1 million m³ valued at \$648 million. Total imports were stable in 1996. The bulk of the increase in 1995 imports was due to increases in the People's Republic of China (PRC - 331 000 m³), which remained ITTO's dominant importer of tropical veneer in 1995-96. The EU absorbed 281 000 m³ of tropical veneer in 1995, dropping slightly to 280 000 m³ in 1996. Japan imported 131 000 m³ of tropical veneer in 1995, 18% less than in 1994. Japan, with substantial restructuring underway in its wood panels industry, saw tropical veneer imports drop to 108 000 m³ in 1996.

In contrast to veneer, tropical plywood imports continue to be led by Japan, which absorbed over 4.0 million m³ in 1995, up 8% from 1994. Japan's imports made up 40% of total ITTO imports of 10.9 million m³ (valued at \$5.1 billion) in 1995. Tropical plywood imports dropped slightly to just over 10.8 million m³ in 1996. In contrast to logs and sawnwood, total ITTO imports of tropical veneer and plywood have been consistently less than or equal to total ITTO exports of these products, indicating the dominance of ITTO exporters in these markets.

Real prices for most primary tropical hardwood products by species exhibited stable or declining trends during 1995-96, although there were significant fluctuations in prices in many cases. Asian log prices were flat for most major species, while major species of Asian sawnwood saw declining real prices in 1995 and the first half of 1996. For many products and species, real prices are now only slightly above the levels that prevailed prior to the price spike caused by the cessation of Sabah log exports in early 1993. Real plywood prices were also stable during 1995-96, with prices in the Japanese market showing more volatility than those in European markets. Apart from supply and demand determinants, the recorded prices for tropical timber products in all regions in 1995-96 have fluctuated due to exchange rate variations, consumer stockpiles and general economic conditions.

Markets for secondary processed wood products (SPWP) from developing countries and ITTO producers in particular continued to expand in the first half of the 1990's. Japan and the USA continue to have the largest proportion of their markets for SPWP accounted for by ITTO producers, at 37 and 23% respectively. Although ITTO producer countries had only a 10% share of the EU market for SPWP in 1994, the magnitude of this huge market meant that the value of this share (at over \$1.1 billion) exceeded that of their Japanese market share and almost equaled that of their share of the US market. Imports of SPWP by ITTO consumers from ITTO producers reached almost 30% of the value of their imports of primary tropical timber products in 1994. The top ITTO producer country exporters of SPWP in 1994 were Indonesia, Malaysia, Thailand, Brazil and the Philippines.

1.6 TENTH ANNIVERSARY OF ITTO

The headquarters was set up in Yokohama in 1986 and, in effect, operations had been underway for a decade by 1996. To commemorate the event, an illustrated booklet entitled "International Tropical Timber Organization - Ten Years of Progress" was published in English, French, Spanish, and Japanese. A brief history of the development of the Organization was presented, and an assessment made of progress to date and prospects for the next era. A pictorial gallery of ITTO personalities was included and a number of dignitaries from around the world sent congratulatory messages which were also published.

At the Twenty-first Session in Yokohama, November, 1996, a commemorative tree planting organized by the City of Yokohama took place in the Rinkoh Park adjacent to the Conference Centre. All Delegates at the Session were presented with a 1997 diary commemorating the anniversary.

1.7 THE INTERNATIONAL TROPICAL TIMBER AGREEMENT, 1994

At a meeting convened in accordance with Article 41(3) of the ITTA, 1994 at the UNCTAD Headquarters in Geneva, Switzerland, on 13 September 1996, those countries which had definitively signed, ratified, accepted, approved, acceded to, or would provisionally apply the ITTA, 1994 decided unanimously to bring the treaty into force on 1 January 1997.

1.8 OTHER ACTIVITIES

The Eleventh and Twelfth Expert Panels for Technical Appraisal of Project Proposals were held in Yokohama in February and August respectively. The Eleventh was chaired by Mr. Walter Dunn (U.S.A.) and the Twelfth by Mr. Patrick Hardcastle (U.K.).

The ITTO Mission to Bolivia completed its work during the year and the Leader, Dr. Kenneth F.S. King, reported to the Twenty-first Session of the Council. The Mission, approved by Council after receiving an invitation from the Government of Bolivia, had conducted an extensive tour of the country and interviewed many interested parties from the government, the private sector, from local and indigenous communities. It was expected that a suite of project proposals would emerge from the work of the Mission.

The Council pursued a wide variety of tasks during the year, continuing its work on strengthening the project cycle, planning ways to organize its work under the ITTA, 1994, sponsoring consultancies to examine developments in certification of all timber products, discussing issues related to listing of tropical timber species in the CITES Appendices, assessing the resources needed by the producer countries to reach ITTO's Year 2000 Objective, and participating in initiatives of the Inter-Governmental Panel of Forests, whose Secretariat staff are partially funded by an ITTO grant. At the close of the year, it had laid plans to revise its Action Plan, its published work on criteria and indicators for sustainable development, and its series of project formulation manuals.

Annex 3 lists new ITTO publications for 1996. The Organization continued to make these widely available on an economical basis. ITTO's quarterly newsletter "Tropical Forestry Update", and its fortnightly review "Market Information Service" are produced at headquarters.

1.9 THE SECRETARIAT

There was one change in the professional staff during the year. Mr. Alastair Sarre separated from service on 6 December 1996 and was succeeded by Ms. Catriona Prebble as Editor/Newsletter Coordinator for the Tropical Forest Update. One General Service staff member joined the Secretariat during the year. Ms. Masaki Miyake as Secretary in the Office of the Executive Director on 1 October 1996. The average annual staff complement was thirty, with fifteen different nationalities.

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 benefited from the same sources. Moreover, a staff member from the City of Yokohama accompanied Secretariat staff to assist them on the preparation mission for the 1997 overseas Council Session in August 1996.

The City of Yokohama also funds three General Services staff on secondment to the Organization on a rotating basis. The incumbent of one of these positions changed during the year. On 13 April 1996, Mr. Akira Tamura entered on duty as Administrative Clerk in the Management Services division, a position which had been filled for two years by Mr. Kenji Kitamura.

Annex 4 lists the professional members of staff of the Secretariat at the close of the year.

2. ECONOMIC INFORMATION AND MARKET INTELLIGENCE

2.1 PROJECT ACTIVITIES

The Permanent Committee reviewed one pre-project and five project proposals which had been recommended for its consideration by the Eleventh and Twelfth Sessions of the Expert Panel for Technical Appraisal of Project Proposals in 1996. These are:

PD1/95 Rev.3 (M)	Training Development on the Certification of Sustainable Forest Management in Indonesia (Indonesia)
PD27/95 Rev.3 (M)	Establishment and Operation of a Forest Strategic Information Center (CIEF) (Peru)
PD25/96 Rev.2 (M)	China's Consumption of Forest Products and Its Demand for them from the International Market by the Year 2010 (China)
PD29/96 Rev.1 (M)	Reinforcement of the National System for the Collection and Processing of Forest Statistics and Support for the Training of Field Units (Gabon)
PD44/96 Rev.2 (M)	Establishment of a Forest Statistical Information System (Panama)
PPD6/96 (M)	Workshop on Ecological, Social and Political Issues in Certification of Forest Management (Malaysia/Canada)

Of these, four projects (PD27/95 Rev.3 (M), PD25/96 Rev.2 (M), PD29/96 Rev.1 (M) and PD44/96 Rev.2 (M)) were approved by the Permanent Committee and the Council. With funding secured for these and two projects awaiting financing (PD46/94 Rev.1 (M,F,I) and PD16/93 Rev.4 (M) Phase IV) in 1996, there were altogether eleven operational projects and two operational pre-projects by the end of 1996. In the Annex to the report may be found details of progress in the implementation of these, as well as summaries of the one approved pre-project (PPD6/96 (M)) still awaiting funding, and which has not lapsed under the sunset provision of the ITTO Project Cycle.

One draft revised project PD1/95 Rev.3 (M) was deferred again for discussion twice in 1996. The draft project had been submitted in 1995 by Indonesia. The representative of Indonesia indicated that consultations had taken place to incorporate the views of certain members. In the ensuing discussion, the representatives of U.S.A. and Japan requested that further consultations should be undertaken in order to ensure that the views of some NGOs in U.S.A. were taken into consideration as well as the reservations expressed by the Expert Panel on Project Appraisal. The Permanent Committee deferred further consideration pending Indonesia's holding the necessary consultations with interested parties and resubmitting the draft project proposal for appraisal by the Committee at its Twentieth Session in Santa Cruz, Bolivia in 1997.

During 1996, the reports of work under two ITTO approved Activities, arising from Council Decision 2(XVI), were submitted to the Council. They are: (i) "Timber Certification in Transition: Study of the Developments in the Formulation and Implementation of Certification Schemes for All Internationally Traded Timber and Timber Products" and (ii) "Study of Markets and Market Segments for Certified Timber and Timber Products". The first study was the subject of discussion in a joint session of the Permanent Committees during the Twentieth Session of the Council in Manila (May 1996). Subsequently the Council by its Decision (XX)/4 decided to commission a further update of the study. The updated study is to be presented for consideration at the Twenty-third Session of the Council in Yokohama in 1997. The second study, a revised report, was also discussed. Many members felt that this revised report had still not addressed fully its Terms of Reference and still contained several shortcomings, including a lack of primary data and analysis, inadequate attention to essential viewpoints and a lack of recognition of the dynamics of evolving markets. For these

reasons and because it failed to meet the standards of ITTO, it was decided to withdraw this report from circulation.

The Permanent Committee also received reports on one completed project and four completed pre-projects in 1996. These are:

PD 36/92 (M)	Collection and Computer Processing of Forest Statistics with a View to Improving the Management of the Forest Resources of Gabon (Gabon)
PPD 4/94 Rev.1 (M.F.I)	Groundwork for an ITTO Information System (ITTO Secretariat)
PPD 7/95 (M)	Creation of a National System for the Collection and Processing of Congo Forestry Statistics (Congo)
PPD 10/95 Rev.1 (M)	Analysis of Macro-economic Trends in the Supply and Demand of Sustainably Produced Tropical Timber from the Asia-Pacific Region - Phase III (ITTO Secretariat)
PPD 12/95 Rev.2 (M)	Evaluation and Enhancement of ITTO's Statistical Functions and Networks (ITTO Secretariat)

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

2.2 NON PROJECT ACTIVITIES

i) Market Discussion

The 1996 Market Discussion took place on 16 May 1996 at a joint session of the three Permanent Committees during the Twentieth Session of the Council in Manila, the Philippines. The theme was "Changing Trade Flows in the Light of Sustainable Tropical Forest Management". There were invited speakers from North America, South-East Asia, Japan, Africa, Europe and Latin America.

ii) Annual Review

The 1996 Annual Review and Assessment of the World Tropical Timber Situation took place during the Twenty-first Session of the Council in Yokohama in November 1996. Discussions were based on the background document prepared by the Secretariat, "Elements for the Annual Review and Assessment of the World Tropical Timber Situation 1996". At the close of discussions, Members were given until 31 December 1996 to submit any updates or revisions to the document.

iii) Review of ITTO Statistical Functions and Networks (PPD12/95 Rev.2 (M))

Two consultants, Mr. Tong Kok Hung (Malaysia) and Dr. Jon Heuch (U.K.), were engaged to prepare the background report for discussion by a Technical Working Group of Experts (TWG) for the work on this pre-project. Experts were selected from the following countries: India, Indonesia, Ghana, Brazil, Peru, Australia, China, Japan, Netherlands, Sweden and U.S.A. A representative of Japan Lumber Importers' Association (JLIA) participated as an Observer. Two Sessions of the Technical Working Group were held; the first in Yokohama (15 to 18 April 1996) and the second in Kuala Lumpur (1-5 July 1996).

At its first Session, the TWG exchanged views on ITTO's statistical functions and the data requirements as envisaged under relevant articles in the ITTA, 1994; the methodology for data collection and the problems which attend the work of ITTO Secretariat and member countries in that connection. The TWG provided inputs to clarify the terms of reference of consultants which included the following objectives:

- a) Identify:
 - end-user requirements especially with regard to outputs: format and frequency.
 - parameters for reports on sustainable forest management
 - species groupings for compiling trade data
- b) Review the usefulness of present outputs to current users.
- c) Check on the availability of relevant data from FAO (Rome), ECE Timber Committee (Geneva), and other sources; Identify areas of overlap.
- d) Investigate problems related to collection of data.
e.g. structure of Questionnaire relative to national data.
- e) Identify the potential for harmonising methodologies between countries.
- f) Assess training needs of member countries.
- g) Identify suitable training courses/opportunities in forest and forest products trade statistics.
- h) Undertake a desk top review of relevant ITTO pre-projects and projects.
- i) Identify resource requirements for member countries and the ITTO Secretariat in order to fulfill the statistical and information functions.

At its second Session, the TWG debated the report of the Consultants and prepared its own report, containing findings and recommendations for action, for consideration by the Council.

A joint session of the Permanent Committees considered the report. Many members endorsed the findings and recommendations of the report, including the use of existing information as available, the proposal for investigating a joint questionnaire with ECE/FAO Timber Section and Eurostat, continued inter-agency collaboration on statistics through the Inter-secretariat Working Group on Forest Statistics, and the need for well-focused and well-monitored projects for developing statistical capability in producer countries. While most members agreed that there was a need for additional Secretariat resources in this area, some members felt that prioritization and more efficient utilization of existing resources were the preferred means of achieving this. Finally, members generally supported the proposal to continue the current practice of reporting on forest management issues through ad-hoc country reports, although it was requested that these be comprehensive, regularly submitted and follow a consistent format.

By its Decision 8(XXI), the Council subsequently decided that steps should be taken to:

1. Collect data and information from member countries and other primary sources unless those data are readily available in a reliable or timely manner from other organizations, and utilize ITTO resources for better analysis of all data, putting tropical forest-related data in the context of the global market place, identifying trends and future developments;
2. Focus the ITTO's Annual Review on analyzing and providing insights into the tropical timber market;
3. Strengthen and focus the Annual Forecasting and Statistical Enquiry as per the report of the Technical Working Group;
4. Continue ITTO's participation in the Inter-Secretariat Working Group on Forest Statistics (IWG) and actively pursue a joint questionnaire with the U.N. Economic Commission for Europe (ECE) and the Food and Agriculture Organization of the United Nations (FAO) through the IWG;

5. Circulate to all members and the Expert Panel for Technical Appraisal of Project Proposals the updated general elements for preparing and assessing project proposals on statistical information systems;
6. Continue to strengthen its coverage of end-use markets in collaboration with other relevant organizations. e.g. the International Trade Center;
7. Utilize ITTO's regional consultants to collect and distribute information of relevance to the Organization;
8. Develop a consistent and comprehensive format for its various reports and continue its work in developing ITTO's Home Page on the World Wide Web to facilitate wider sharing of its statistical and other reports, such as project reports.

iv) Statistical Coordination

In 1996, the ITTO Secretariat participated in the meeting of the Intersecretariat Working Group on Forest Sector Statistics held in Brussels in September 1996. 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 has access to the Internet via a local service provider as well as via CompuServe. This permits electronic retrieval of statistical and other relevant information from major computerized databases worldwide as well as providing access to electronic mail and computer software support. Internet access has greatly facilitated the collection and dissemination of statistical information and other related activities carried out by the statistical unit.

ITTO Computer Network

One desktop computer was purchased in 1996, i.e., COMPAQ PROLINEA 5100 P120. Three desktop computers, in a bad state of repair, were disposed of, i.e., two IBM PS2 M55SX and one IBM PS2 M50. They were disposed of because the costs of repairing them were higher than the cost of purchasing new ones.

Currently ITTO's computer network consists of the following hardware:

<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 (25)	10	IBM PS2 M77DX
	2	IBM PS2 M55SX

	3	IBM PS2 77S
	2	IBM PC750-P90
	1	COMPAQ PROLINEA 5100 P120
	2	COMPAQ PROLINEA 590 (one for the ITTO Market Information Service under PD16/93 Rev.4 (M))
	2	COMPAQ DESKPRO 25
	1	COMPAQ DESKPRO 50
	1	Packard Bell CDS8517 (for the ITTO Newsletter under PD17/93 Rev.3 (M.F.I))
	1	AST Bravo MS P/100
Laser Printers (5)	1	HP LaserJet III
	1	HP LaserJet 4V (for the ITTO Market Information Service under PD16/93 Rev.4 (M))
	1	HP LaserJet 5L
	1	Kyocera Ecosys LS-3500
	1	Kyocera F1000+
Dot Matrix Printer (1)	1	Panasonic KX-P1654

Six laptop computers were available for ITTO staff traveling on mission in 1996: one Toshiba T4700CS, two Toshiba T4400C, one HP Omnibook 425 and two Toshiba Satellite Pro 425 CDS.

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 is 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 statistical unit terminated ITTO's subscription to SAS (statistical software) in 1996, because of high costs and limited usage.

3. REFORESTATION AND FOREST MANAGEMENT

3.1 PROJECT ACTIVITIES

The permanent committee reviewed 14 project proposals and 12 pre-project proposals which were commended for its consideration by the Eleventh and Twelfth sessions of the Expert Panel for Technical Appraisal of Project/Pre-project Proposals in 1996. These were:

Project proposals:

- PD 15/95 Rev.3 (F) Development of the Lanjak Entimau Wildlife Sanctuary (LEWS) as a Totally Protected Area (TPA) Phase II (Malaysia)
- PD 31/95 Rev.3 (F) A Model Project for Cost Analysis to Achieve Sustainable Forest Management (Malaysia)
- PD 44/95 Rev.3 (F) Management and Conservation of Mangroves in the Gulf of Fonseca, Honduras
- PD 8/96 Rev.1 (F) Conservation and Pest Management for Realizing the Potential of Mahogany as a Sustainable Managed Crop (Bolivia & Honduras)
- PD 12/96 Rev.2 (F) Development of a Sustainable Management Plan for the Souanke-Sembe-Kelle Area (Phase II) (Congo)
- PD 13/96 Rev.1 (F) Multiple-Use Management in the Macauá National Forest Based on Rubber Estates - Phase I: Development of Master Plan to Support Community Organization (Brazil)
- PD 17/96 Rev.2 (F) Technical Assistance to the National Forest Inventory (NFI) Project (Indonesia)
- PD 18/96 Rev.2 (F) Validation of Studies, Development of Management Plans and Proposal for Sustainable Forest Production Units (Peru)
- PD 19/96 Rev.1 (F) Forest Plantations for Commercial Purposes in Areas of "Chaca-Chacales" in the Province of Satipo (Peru)
- PD 27/96 Rev.1 (F) Forestry and Genetic Improvement of the Okoume (*Aucoumea Klaineana Pierre*) - Phase II (Gabon)
- PD 28/96 Rev.1 (F) Inventory and Preparations for the Management of the Minkebe-Forest Area of Gabon
- PD 30/96 Rev.2 (F) Project for a 2.500 ha Timber Production Plantation in the Reserved Forest of Haho-Baloe (Plateaux Region - Togo)
- PD 35/96 Rev.2 (F) Conservation and Maintenance of Biological Diversity in Tropical Forests Managed Primarily for Timber Production (Philippines)
- PD 42/96 Rev.1 (F) Support for the Development of a Forestry and Wildlife Law (Peru)

Pre-project proposals:

- PPD 14/95 Rev.3 (F) Identification and Planning of Measures for the Sustainable Management of Teak Plantations in Togo

- PPD 3/96 Rev.1 (F) Design of a Socially Sustainable Forest Management Model (Peru)
- PPD 4/96 Rev.1 (F) Development of a Master Plan for Forest Management in Congo
- PPD 5/96 (F) Buffer Zone Development for Sustainable Forest Management (Thailand)
- PPD 8/96 (F) Enhancement of the Original Proposal for Project "Sustainable Forest Management in the Rapiran Bolson, Bolivian Amazon Region"
- PPD 9/96 Rev.1 (F) Establishment of a Centre for the Production of Forest Tree Seeds (Congo)
- PPD 10/96 Rev.1 (F) Preliminary Study for a Project on the Production of Timber by the Agroforestry Method in the Wawa Region (Plateaux Region of Togo)
- PPD 13/96 Rev.1 (F) Establishment of a Network of Permanent Sample Plots to Monitor the Dynamics of the Côte d'Ivoire Reserved Forests
- PPD 15/96 Rev.1 (F) Technical Assistance to Develop a Mapping and Inventory Project Aimed at the Sustainable Management and Administration of Forest Resources (Panama)
- PPD 16/96 Rev.2 (F) Demonstration on Reforestation Using Tropical Hardwood Species in Yunnan Province of China
- PPD 17/96 Rev.1 (F) Study and Definition of a General Scheme for Implementing Strategies for the Sustainable Management of the Forests of Gabon in Accordance with the Year 2000 ITTO Objective
- PPD 19/96 (F) Development of an Integrated Strategy for Reduction of Shoot Borer Impact on West African Mahogany Plantations (Ghana)

One project and one pre-project were withdrawn from the Committee by the submitting agencies for further revision, and was approved for re-submission to the Committee in 1997 (PD 30/96 Rev.2 (F), Togo) and (PPD 19/96 (F), Ghana).

All other project and pre-project proposals appraised by the Committee were commended to the Council for immediate implementation as soon as funds for the projects were made available in the Special Account.

The Committee received reports on 6 completed projects and 2 completed pre-projects as follows:

Completed projects:

- PD 15/87 Rev.1 (F) The Biology of Okoume (Aucoumea klaineana Pierre) in Gabon
- PD 204/91 Rev.1 (F) Identification and Study of a Plantation Project for the Production of Timber (2500) in the Reserved Forest of Haho-Baloe (Plateau Region) (Togo)
- PD 39/92 Rev.1 (F) Dissemination and Training on ITTO Guidelines and Criteria (Brazil)

- PD 5/93 Rev.1 (F) Ten-Year Production of Treated Residual Dipterocarp Forest Stands (Philippines)
- PD 36/93 Rev.1 (F) Securing the Implementation of Improved and/or New Established Nurseries in Egypt
- PD 28/95 Rev.1 (F) International Conference on Community Forestry: A Tool for Sustainable Forest Management (Philippines)

Completed pre-projects:

- PPD 43/91 Rev.1 (F) Rehabilitation of Degraded Forest Land in the Amazon - A Case Study in the Carajas Mineral Province (Brazil)
- PPD 1/93 Rev.1 (F) Feasibility Study for the Preparation of Management Plan for the Souanke-Sembe-Kelle Area in North West, Congo

Further details on the completed and ongoing projects and pre-projects are given in Annex 1.

3.2 NON-PROJECT ACTIVITIES

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

- a. Participation in the Regional Workshop for the Formulation of a Regional Environmental Information Management Project (REIMP) organized by the World Bank. The first meeting took place in Yaoundé (Cameroon) and the second in Libreville (Gabon). The objective of the project is to strengthen the capability of the participating countries in tropical Africa in the field of production and utilization of environmental information for the planning and sustainable management of natural resources in the Congo Basin, and to establish a regional coordination unit for the participating countries.
- b. Participation in the ASEAN Seminar on 'Sustainable Tropical Forest Management: Progress towards the Achievement of the ITTO year 2000 Objective', in Balikpapan, Kalimantan Timor, Indonesia. The Seminar was aimed to enhance awareness on the ITTO year 2000 Objective and to exchange information on the progress being made. The Seminar attempted to formulate a concrete action plan on priority activities for the implementation of sustainable forest management in the region.
- c. Participation in the AIFM Conference on Trans-boundary Pollution and the Sustainability of Tropical Forest: 'Towards Wise Forest Fire Management', in Kuala Lumpur, Malaysia with a wide international participation. The conference identified land-use fire as the major factor causing fire as opposed to wild-fire. The Conference stressed this observation and recommended strongly that appropriate land-use planning and the controlled and wise utilization of land-use fires. The conference emphasized the importance of resource and expertise sharing in ASEAN. AIFM was commended to expedite the implementation of relevant issues and elements of the ITTO Guidelines on Fire Management.
- d. Participation in the Committee on the Programme of CIRAD-Foret in Paris, France. Two regular meetings were attended. The Committee reviews the current research programme of CIRAD-Foret and its achievements and advise the Board of Directors on concrete orientation of the research programme. Input was provided on aspects of ITTO's research programme within the field projects implemented in the Member

countries. The meetings further discussed the trends of issues related to international forestry and the necessary back-up of research and development for policy decisions.

- e. As part of ITTO's involvement in the IPF process, the division on Reforestation and Forest Management participated in the following meeting and workshops:
- 'Expert Meeting on Rehabilitation of Forest Degraded Ecosystems' in Lisbon, Portugal. The meeting brought together experts from all regions of the world having problems related to forest degradation and desertification. The meeting focused on the general and political problems underlying the causes of forest degradation. It was recognized that technical solutions to the problems were well understood, but the lack of funds and political will to alleviate the problems was of major concern. The meeting was divided into regional discussion groups followed by a final discussion in Plenum. The findings of the meeting has been published and brought to the IPF secretariat for inclusion in the 3rd session of the IPF.
 - 'Workshop on National Forestry and Land Use Programmes: The Process of Consensus Building', in Stockholm, Sweden. The workshop was organized as a joint initiative between Uganda and Sweden. Consensus building was acknowledged as an important process to address sustainable forest management and should be included in future deliberations at national and international levels. There is a need to continue the dialogue on consensus building through appropriate institutional arrangements in order to arrive at a common understanding of the concept for conflict resolution in relation to national forests and land use programmes. The findings have been published and brought to the IPF secretariat for inclusion in the 4th session of the IPF.
 - 'International Workshop on Integrated Application of Sustainable Forest Management Practices', in Kochi, Japan. The workshop focused on sustainable forest management practices at the field level, in order to distill lessons and experience for recommendations to the 4th session of the IPF. Two main topics were discussed: Integrating forest planning into the wider context of land-use planning; and integrating research findings into sustainable forest management.

4. FOREST INDUSTRY

4.1 Project Work

In 1996, fourteen project proposals were submitted by member governments for consideration and appraisal by the Permanent Committee on Forest Industry:

PD 37/94 Rev.2 (I)	STRENGTHENING OF THE FOREST PRODUCTS LABORATORY OF IBAMA	GOVERNMENT OF BRAZIL
PD 13/95 Rev.3 (I)	CAPACITY BUILDING IN TRAINING IN PLANNING AND MANAGEMENT OF FOREST INDUSTRIES IN ITTO PRODUCER MEMBER COUNTRIES	GOVERNMENT OF FINLAND
PD 3/96 Rev.1 (I)	DEVELOPMENT AND EXTENSION OF RUBBERWOOD PROCESSING AND UTILIZATION TECHNOLOGY	GOVERNMENT OF CHINA
PD 14/96 (I)	TECHNOLOGICAL INPUTS FOR UPGRADING AND MODERNIZATION OF THE FURNITURE INDUSTRY IN THE PHILIPPINES	GOVERNMENT OF PHILIPPINES
PD 15/96 Rev.1 (M.I)	UTILIZATION, COLLECTION AND TRADE OF TROPICAL NON-WOOD FOREST PRODUCTS IN THE PHILIPPINES	GOVERNMENT OF PHILIPPINES
PD 20/96 (I)	IMPLEMENTATION OF STRESS GRADING RULES FOR TROPICAL TIMBER	GOVERNMENT OF PHILIPPINES
PD 23/96 (I)	INTEGRATED DEVELOPMENT OF THE RUBBERWOOD INDUSTRY IN THE ASIA-PACIFIC REGION	GOVERNMENT OF PHILIPPINES
PD 31/96 Rev.1 (M.F.I)	INTRODUCING MYANMAR'S LESSER-USED TIMBER SPECIES TO THE WORLD MARKET	GOVERNMENT OF THE UNION OF MYANMAR
PD 32/96 (I)	UPGRADING PRODUCTION EFFICIENCY IN FURNITURE MANUFACTURING	GOVERNMENT OF THE UNION OF MYANMAR
PD 33/96 Rev.1 (I)	WORKSHOP ON NONDESTRUCTIVE TESTING OF TROPICAL TIMBER	GOVERNMENT OF PHILIPPINES
PD 5/92 Rev.3 (I)	ESTABLISHMENT OF A CENTER FOR THE PROMOTION OF LESSER KNOWN TROPICAL HARDWOOD SPECIES IN EUROPE	GOVERNMENT OF CAMEROON
PD 2/96 Rev.1 (I)	CHEMICAL CONVERSION OF TROPICAL HARDWOOD WASTE TO CONSUMER AND INDUSTRIAL PRODUCTS	GOVERNMENT OF GHANA

PD 11/96 Rev.2 (I)	STRENGTHENING AND DEVELOPMENT OF NON CONVENTIONAL JOINERY WITHIN THE CORPORATION FOR TIMBER DEVELOPMENT IN THE COLOMBIAN PACIFIC REGION (CDP)	GOVERNMENT OF COLOMBIA
PD 46/96 Rev.1 (I)	ESTABLISHMENT OF A WOOD WORKERS AND CRAFTSMANSHIP VILLAGE	GOVERNMENT OF GHANA

After a thorough evaluation, the Committee recommended to Council the approval of a total of 8 project proposals some of which had been further revised: PD 37/94 Rev.3 (I), PD 13/95 Rev.3 (I), PD 3/96 Rev.2 (I), PD 15/96 Rev.2 (M.I), PD 31/96 Rev.2 (M.F.I), PD 33/96 Rev.2 (I), PD 5/92 Rev.4 (I) and PD 11/96 Rev.2 (I). The Council approved for implementation all the 8 project proposals recommended by the Committee.

Four of the approved projects are research and development projects focussing on wood production, wood processing technologies and product testing and development. Two projects are forest industry training projects: one project will strengthen the capacity of training institutes in producer countries to improve training in planning and management of forest industries and another will provide training courses on non conventional joinery in the Colombian pacific region. One project will study and promote the utilization and trade of tropical non-wood forest products. The remaining one project will study and promote the utilization of lesser used species (LUS).

In 1996 the Committee also considered and approved for implementation four pre-project proposals:

PPD 2/96 Rev.2 (I)	DEVELOPMENT OF THE INDIAN RUBBERWOOD INDUSTRY	GOVERNMENT OF INDIA
PPD 7/96 Rev.1 (I)	UPGRADING PRODUCTION EFFICIENCY IN FURNITURE MANUFACTURING	GOVERNMENT OF MYANMAR
PPD 12/96 Rev.1 (I)	DEVELOPMENT AND IMPLEMENTATION OF STRESS GRADING RULES FOR TROPICAL TIMBERS	GOVERNMENT OF PHILIPPINES
PPD 18/96 Rev.2 (I)	FORMULATION OF A GENERAL PLAN FOR THE INDUSTRIALIZATION OF TIMBER PRODUCTION IN GABON IN COMPLIANCE WITH THE SUSTAINABLE FOREST MANAGEMENT STANDARDS	GOVERNMENT OF GABON

The Committee also reviewed the status and scope of work of 47 approved pre-projects and projects, eight which were completed before the end of 1996. Information on these pre-projects and projects is provided in Annex 1.

4.2 Forest Industries Guidelines

In its review of the pre-project work related to the preparation of Guidelines for the Development of Sustainable Forest Industries [PPD 11/92 (I)], the Committee considered document PCI(XIX)/5 which contains a report prepared by a Working Group that met to consider and elaborate on the options presented by its member governments on the Guideline's scope, coverage and target audience. The Working Group met in Yokohama from 15 to 17 October 1996, under the Chairmanship of Mr. Franklin Moore (United States of America). Other countries represented in the Working Group were Brazil, Ghana, Japan, Malaysia and the United Kingdom.

The Committee reviewed the work carried out by the Working Group which explored six scope options, ranging from broad Guidelines applying to all wood processing industries to more focussed work which would concentrate on the development of policies and measures to promote further processing in producing member countries.

The Committee decided to support implementation of additional work focussing on policies and measures to promote domestic further processing of tropical timber, covering producer and consumer member countries (including different sets of principles/recommended actions, the set of producer member countries focussing on measures to promote further processing industries; and the set for consumer member countries focussing on market access and facilitation on investment and access to financing.). The Committee further agreed that the target audiences for these principles and actions should be national governments, the industrial sector and relevant agencies.

The Committee decided to approve further work under the pre-project to allow the preparation of a report meeting the above recommendations on Guidelines scope, coverage and target audience. To this end, the Committee approved further consultancy work for the preparation of a report which will be made available for consideration by members at its Twentieth Session in May 1997.

ANNEXES

ANNEX 1

SUMMARY OF PROJECTS, PRE-PROJECTS, AND ACTIVITIES

PROJECT: PD016/93 Rev.4 (M) III TITLE : MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS

SESSION APPROVED :XV DESCRIPTION :
 SESSION FUNDED : XIX Phase III of the project (1996), saw the commencement of a bi-weekly MIS report being produced and distributed from Yokohama, following the first two years of this project's implementation by ITC in Geneva. Phase IV will be operational as from January 1997.
 STATUS : COMPLETED
 COUNTRY : GLOBAL
 AGENCY : ITTO/ITC
 ITTO BUDGET(US\$) : 298,400.00
 STARTING YEAR : 1995

PROJECT: PD027/93 Rev.2 (M) II TITLE : TRAINING WORKSHOPS ON TROPICAL FORESTRY AND TIMBER TRADE STATISTICS - PHASE II

SESSION APPROVED :XV DESCRIPTION :
 SESSION FUNDED : XVII The second cycle of this project was completed on schedule in 1995, with workshops held in Caracas (Venezuela), Bingerville (Cote d Ivoire) and Kuala Lumpur (Malaysia). The review called for under the project has been carried out and distributed to all members. The final reports of all workshops together with the workshop manuals are available at the Secretariat.
 STATUS : COMPLETED
 COUNTRY : GLOBAL
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 486,100.00
 STARTING YEAR : 1994

PROJECT: PD167/91 Rev.1 (M) TITLE : DIAGNOSIS AND EVALUATION OF THE BRAZILIAN FORESTRY SECTOR

SESSION APPROVED :XI DESCRIPTION :
 SESSION FUNDED : XII The objectives of this project are:
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : FUNATURA
 ITTO BUDGET(US\$) : 1,743,000.00
 STARTING YEAR : 1992

- i) To update the data and information on the Brazilian Forestry Sector.
- ii) To analyze its evolution and environmental components, through research from primary and secondary sources.
- 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.
- iv) To facilitate wider dissemination of information and data among the agents of the private and public sectors, and improve capabilities for market decisions.
- 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.

Final reports (in Portuguese with an English summary) will be presented to ITTO in 1997.

PROJECT: PD016/93 Rev.4 (M) IV TITLE : MARKET INFORMATION SERVICE FOR TROPICAL TIMBER AND TIMBER PRODUCTS

SESSION APPROVED :XV DESCRIPTION :
 SESSION FUNDED : XXI This four year project, a follow-up of PD 173/91 Rev.1 (M), was designed to:
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL
 AGENCY : ITTO/ITC
 ITTO BUDGET(US\$) : 365,558.00
 STARTING YEAR : 1997

- i) Strengthen the ITTO data collection network, particularly in the three producing regions;
- 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
- iii) Facilitate the relocation of the service to ITTO Headquarters in Yokohama.

Phase IV, operational as from January 1997, is the final year of the current project, which continues to produce and distribute the bi-weekly MIS report from Yokohama.

PROJECT: PD005/94 Rev.3 (M) TITLE : DEVELOPMENT OF COMPUTERIZED INFORMATION SYSTEM FOR THE FORESTRY COMMISSION OF GHANA

SESSION APPROVED :XVI DESCRIPTION :
 SESSION FUNDED : XVI 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
 COUNTRY : GHANA
 AGENCY : FORESTRY COMMISSION OF GHANA
 ITTO BUDGET(US\$) : 242,650.00
 STARTING YEAR : 1995

Specific Objectives are:

- i) Establishment of a forestry and wildlife sector information network;
- 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;
- iii) To ensure a timely analysis of performance of the forestry sector in accordance with the formulated national forest policy;

- 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: PD034/94 Rev.1 (M)

TITLE : ESTABLISHMENT AND IMPLEMENTATION OF A FOREST STATISTICAL INFORMATION SYSTEM

SESSION APPROVED :XVI
 SESSION FUNDED : XVII
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA
 AGENCY : INDERENA
 ITTO BUDGET(US\$) : 839,158.00
 STARTING YEAR : 1996

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 Environment. The system will be set up to gather, process, access, store, and disseminate 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 a national forestry statistical information system will be in place, providing accurate and timely information in an efficient manner on all relevant aspects of the Colombian forest sector.

PROJECT: PD035/94 Rev.3 (M,I)

TITLE : FOREST PRODUCTS MARKETING ORGANIZATION FEASIBILITY STUDY

SESSION APPROVED :XVI
 SESSION FUNDED : XVI
 STATUS : OPERATIONAL
 COUNTRY : PAPUA NEW GUINEA
 AGENCY : PAPUA NEW GUINEA FOREST AUTHORITY
 ITTO BUDGET(US\$) : 409,340.00
 STARTING YEAR : 1995

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.

The first phase of the study, in 1996, found that the local industry did not support the plan to establish a voluntary marketing organization. Consultations are now underway between PNG, ITTO and donor countries regarding the future direction of this project.

PROJECT: PD046/94 Rev.1 (M,F,I)

TITLE : FORESTRY LAW REGULATION

SESSION APPROVED :XVII
 SESSION FUNDED : XX
 STATUS : OPERATIONAL
 COUNTRY : BOLIVIA

DESCRIPTION :

The main objective of this project is to draft the regulations of Bolivia's new Forestry Law, a legal instrument that will ensure the standardization and regulation of all forest sector activities on the basis of the sound and sustainable management of forests in the country.

Funds were made available by Japan to implement the project in August 1996. The agreement between ITTO and the Ministry of Sustainable Development and Environment was signed in early October 1996. The first installment of funds was released on 30 October 1996. It may be

AGENCY : MINISTRY OF
SUSTAINABLE
DEVELOPMENT AND
ENVIRONMENT

ITTO BUDGET(US\$) : 116,050.00

STARTING YEAR : 1996

noted, however, that work on this project had already begun especially as discussions on this took place between the Government and the ITTO Mission to Bolivia.

PROJECT: PD025/95 Rev.1 (M)

TITLE : TRAINING WORKSHOPS ON TROPICAL FORESTRY AND TIMBER TRADE STATISTICS

SESSION APPROVED :XX
SESSION FUNDED : XX
STATUS : OPERATIONAL
COUNTRY : GLOBAL
AGENCY : ITTO
ITTO BUDGET(US\$) : 1,013,960.00
STARTING YEAR : 1997

DESCRIPTION :

This project is a continuation of the series of workshops initiated under Project PD 118/90 (M) and PD 27/93 Rev.3 (M). The project's overall objective is to contribute on a continuing basis to the collection, analysis and dissemination of tropical forest resource, production and trade statistics 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 also 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 in light of the evaluation undertaken in 1996 of the workshops since their inception, and which resulted in a revamped course of instruction and organisation.

The first cycle of workshops will commence in 1997.

PROJECT: PD027/95 Rev.3 (M) I

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

SESSION APPROVED :XX
SESSION FUNDED : XX
STATUS : OPERATIONAL
COUNTRY : PERU
AGENCY : INRENA
ITTO BUDGET(US\$) : 674,274.00
STARTING YEAR : 1996

DESCRIPTION :

The objective of this project is the "Establishment and Operation of a Forest Strategic Information Center (Centro de Información Forestal (CIEF)", as the basis for the sustainable development of tropical forests in the country. It is designed to offer information services through a computer network, with access to statistical/economic and imagery/cartographic database and centered on a work station system, which will allow users to communicate and manage information from the databases. The productivity of the sector will thus be increased, investments will be encouraged and sectoral revenues will increase, leading to re-investments for the development of industrial plantations, sustainable tropical forest management, and research and technology transfer. In addition, CIEF will publish and disseminate timely and reliable information on the forest sector at the national and international levels.

PROJECT: PD025/96 Rev.2 (M)

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

SESSION APPROVED :XXI
SESSION FUNDED : XXI
STATUS : PENDING AGREEMENT
COUNTRY : CHINA
AGENCY : CHINESE ACADEMY OF FORESTRY
ITTO BUDGET(US\$) : 177,915.00
STARTING YEAR : 1997

DESCRIPTION :

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

Preparations for the project start-up began at the end of 1996.

PROJECT: PD029/96 Rev.1 (M)

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

SESSION APPROVED :XX
SESSION FUNDED : XXI
STATUS : PENDING AGREEMENT

DESCRIPTION :

This project is a follow-up to an on-going ITTO project in Gabon, PD 36/92 (M) "Collection

COUNTRY : GABON
AGENCY : GENERAL
ADMINISTRATION OF
WATER AND FORESTS
ITTO BUDGET(US\$) : 231,045.00
STARTING YEAR : 1997

and Computer Processing of Forest Statistics with a View to Improving the Management of Forest Resources of Gabon". The project intends to address several problems which were identified during the implementation of PD 36/92 (M), notable among which is the manual collection and processing of data at the local and regional level. These problems led to delays in the collection and production of national statistics, thereby reducing their usefulness. The project proposes to establish a central system for computerized data collection and processing, equip regional offices with computers and to train some 10 staff members.

PROJECT: PD044/96 Rev.2 (M)

TITLE : ESTABLISHMENT OF A FOREST STATISTICS INFORMATION SYSTEM

SESSION APPROVED :XXI
SESSION FUNDED : XXI
STATUS : PENDING AGREEMENT
COUNTRY : PANAMA
AGENCY : INRENARE
ITTO BUDGET(US\$) : 232,100.00
STARTING YEAR : 1997

DESCRIPTION :

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

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

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

TITLE : GROUNDWORK FOR AN ITTO INFORMATION SYSTEM

SESSION APPROVED :XVI
 SESSION FUNDED : XVI
 STATUS : COMPLETED
 COUNTRY : GLOBAL
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 64,090.00
 STARTING YEAR : 1994

DESCRIPTION :

This pre-project was designed to develop an interim public relations program and document management systems for ITTO until the appointment of an Information Officer. The Information Officer was appointed in mid-1995. Work on an ITTO pamphlet as envisaged under the pre-project has been superseded by the work undertaken for ITTO's ten-year review. No document management system could be implemented under the pre-project, although an HP scanner was purchased which now allows hard copies of translations, etc. to be input directly to word processing software.

PRE-PROJECT: PPD007/95 (M)

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

SESSION APPROVED :XVIII
 SESSION FUNDED : XVIII
 STATUS : COMPLETED
 COUNTRY : CONGO
 AGENCY : DIRECTION GENERALE DES EAUX ET FORETS
 ITTO BUDGET(US\$) : 64,500.00
 STARTING YEAR : 1996

DESCRIPTION :

The final report of this pre-project was received in August 1996. A review copy (in French only) is available from the Secretariat. The report which was prepared through a consultancy, Deutsche Forstservice GmbH of Feldkirchen, reviewed the situation in the Congo regarding information and statistical data collection in the forest sector. The main output of the pre-project is the formulation of a draft project proposal designed to address the defects and constraints in the current management of forestry information and statistical data collection identified in the pre-project report. The objectives are, inter alia:

- i) To establish an information system which will contribute to ensuring overall sustainable management of Congo's forest resources and be accessible to decision-makers, relevant national and international agencies involved in forest sector planning;
- ii) To create a structure which will put in place measures to develop human resources, improve logistical and financial constraints in the collection, processing and dissemination of forest statistics, e.g. training of manpower and strengthening technical capabilities; standardisation of procedures and documentation for data input; computerisation; and
- iii) To establish a system for monitoring and efficient management of statistics on a broad and comprehensive range of the forest sector operations including, in particular, its environmental aspects (biodiversity conservation, general conservation of plant and wildlife); social and economic aspects, and the informal sector.

The resulting draft project proposal was reviewed by the Twelfth Expert Panel for the Technical Evaluation of Project Proposals and referred back to the submitting country for revision and subsequent appraisal by the Panel and the Committee.

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

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

SESSION APPROVED :XIX
 SESSION FUNDED : XIX
 STATUS : COMPLETED
 COUNTRY : ASIA-PACIFIC
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 232,050.00
 STARTING YEAR : 1996

DESCRIPTION :

The pre-project involved further modifications to enhance the user-friendliness of the models developed under the first two phases (PD 182/91 (M) and PD 27/93 Rev.2 (M)) of this modelling activity and a workshop to present these models to a range of potential users. Workshop participants were from: Australia, China, India, Indonesia, Japan, Malaysia, Myanmar, New Zealand, Papua New Guinea, Philippines, Republic of Korea, Thailand, Bolivia, Brazil, Cameroon, and Ghana. The workshop was held from 12 to 16 February 1996 in Bangkok, Thailand, with the assistance of the FAO Regional Office for Asia-Pacific. The final report of the workshop, together with the workbook used by the participants, has been distributed to all members.

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

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

SESSION APPROVED :XVIII
 SESSION FUNDED : XVIII
 STATUS : OPERATIONAL
 COUNTRY : PERU
 AGENCY : INRENA
 ITTO BUDGET(US\$) : 40,100.00
 STARTING YEAR : 1995

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 sarcoarpa - 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 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 sarcoarpa in Peru. The final report of this pre-project (including a project proposal) will be submitted to ITTO in 1997.

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

SESSION APPROVED :XIX
SESSION FUNDED : XIX
STATUS : OPERATIONAL
COUNTRY : CAMEROON
AGENCY : ONADEF
ITTO BUDGET(US\$) : 39,350.00
STARTING YEAR : 1996

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

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 on the one hand and, on the other hand, for the benefit of small and medium sized forest industries and the public authorities in Cameroon, 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.

PRE-PROJECT: PPD006/96 (M)

SESSION APPROVED :XX
SESSION FUNDED : *
STATUS : PENDING FINANCE
COUNTRY : GLOBAL
AGENCY : UNIVERSITY OF BRITISH COLUMBIA
ITTO BUDGET(US\$) : 78,508.00
STARTING YEAR : *

TITLE : WORKSHOP ON ECOLOGICAL, SOCIAL AND POLITICAL ISSUES IN CERTIFICATION OF FOREST MANAGEMENT

DESCRIPTION :

The pre-project requests ITTO's financial assistance to convene a four day international workshop in Kuala Lumpur on the topic of timber certification. The workshop has set as its objectives, inter alia:

- i) To probe the issue of whether universally applicable standards can be developed to support "green labelling" of forest products;
 - ii) To contribute significantly to the development of objective, systematic, and scientifically based standards for the certification of forestry operations; and
 - iii) To contribute constructively to the international debate on the certification of forest products, in particular, its implications for policy issues which have been raised at the United Nations Conference on Sustainable Development.
-

<p>PROJECT: PD015/87 (F)</p> <p>SESSION APPROVED :III SESSION FUNDED : XII STATUS : COMPLETED COUNTRY : GABON AGENCY : THE TROPENBOS PROGRAMME ITTO BUDGET(US\$) : 469,500.00 STARTING YEAR : 1992</p>	<p>TITLE : THE BIOLOGY OF THE OKOUME (AUCOUMEA KLAINEANA PIERRE) IN GABON</p> <p>DESCRIPTION :</p> <p>The project's work provided planting material for reforestation activities in Okuome forest stands in Gabon. The project collected data on light and seedling growth in trail plots and nurseries. Natural regeneration trial plots were established, and data was collected on seed trees, site preparation, maintenance and establishment. Seed improvement and propagation activities took place through the protection of elite seed trees in forests with the help of local communities and the establishment of a seed bank in Libreville, where local personnel were trained to maintain it. Also, trials were carried out to stimulate flowering, with little success, due to the short duration of the project.</p> <p>The final report of the project was circulated as PCF(XVIII)/12 during the ITTC's twentieth session. A follow-up project proposal (PD 27/96) was submitted, under which research would continue and established plots maintained in order to develop more reliable data.</p>
<p>PROJECT: PD204/91 Rev.1 (F)</p> <p>SESSION APPROVED :XI SESSION FUNDED : XII STATUS : COMPLETED COUNTRY : TOGO AGENCY : MINISTRY FOR ENVIRONMENT - ODEF ITTO BUDGET(US\$) : 374,301.00 STARTING YEAR : 1994</p>	<p>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)</p> <p>DESCRIPTION :</p> <p>The project successfully carried out its main objective of establishing a 2,500 ha timber plantation in the Haho-Baloe forest reserve. Of these, 1,800 ha consisted of mixed plantations, 350 ha of rejuvenated old teak plantations, and 350 ha of enriched gallery forests. In addition to these, a 100 ha protection forest was established.</p> <p>Also, the project carried out aerial photography and a forest inventory of the project area, conducted a soil survey and produced a corresponding map, demarcated the project area between forest and traditional use areas, and conducted a series of studies relating to the area which were reviewed and discussed on a regular basis at meetings held with all interested parties, whom also participated at a project evaluation workshop. Two of the main project outputs included a land-use plan and a master development plan of the forest reserve.</p> <p>The final report of this project was circulated as PCF(XVIII)/11 during the ITTC's twentieth session. A follow-up project proposal (PD 30/96) was submitted to continue with the work of this project.</p>
<p>PROJECT: PD039/92 Rev.1 (F)</p> <p>SESSION APPROVED :XIII SESSION FUNDED : XIII STATUS : COMPLETED COUNTRY : BRAZIL AGENCY : FUNPAR ITTO BUDGET(US\$) : 624,750.00 STARTING YEAR : 1993</p>	<p>TITLE : DISSEMINATION AND TRAINING ON ITTO GUIDELINES AND CRITERIA FOR THE SUSTAINABLE MANAGEMENT OF NATURAL TROPICAL FORESTS</p> <p>DESCRIPTION :</p> <p>This project successfully carried out its objectives of disseminating ITTO's guidelines and criteria and training people involved with the forest sector on their applications throughout the Brazilian states of Acre, Mato Grosso and Rondonia. The project also compiled a data bank on forest management plans of the states covered. The projects main activities included:</p> <ol style="list-style-type: none"> 1) Translation and printing of 5000 copies of ITTO's guidelines and criteria in Portuguese, which have been distributed to people involved with the forestry sector. 2) Training workshops on the use and application of ITTO's guidelines and criteria were held, where 237 participants representing the government, private sector and NGO's received training. 3) Databank and information collection on the state of management plans in the aforementioned states, which will serve as a baseline for IBAMA's monitoring efforts. 4) Case studies on five management plans, which concluded that awareness of sustainable management practices and their applications was weak. <p>The final report of the project circulated as PCF(XVII)/18 during the ITTC's nineteenth session. The government of Brazil submitted a follow-up project (PD 30/95), to carry out similar activities in the remaining legal Amazonian states.</p>
<p>PROJECT: PD005/93 Rev.1 (F)</p> <p>SESSION APPROVED :XIV SESSION FUNDED : XIV STATUS : COMPLETED COUNTRY : PHILIPPINES AGENCY : DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES ITTO BUDGET(US\$) : 11,664.00</p>	<p>TITLE : TEN YEAR PRODUCTION OF TREATED RESIDUAL DIPTEROCARP FOREST STANDS</p> <p>DESCRIPTION :</p> <p>This project analyzed data compiled over several years from permanent sample plots located in treated residual dipterocarp forests in the Philippines. The plots were located in areas logged over ten years before, in four timber concessions representing the most important forest areas of the country, and ranged from 250 to 850 meters above sea level. The project studied the effects of Timber Stand Improvements (TSI), or thinning within natural dipterocarp forests, on silvicultural parameters of residual dipterocarp stands after ten years and determined the profitability of additional TSI treatments before reaching the cutting cycle.</p>

STARTING YEAR : 1993

The project's final report and an executive summary were distributed as PCF(XVIII/9) during the ITTC's twentieth session.

PROJECT: PD036/93 Rev.1 (F)

TITLE : SECURING THE IMPLEMENTATION OF IMPROVED AND/OR NEWLY ESTABLISHED NURSERIES IN EGYPT

SESSION APPROVED :XV
 SESSION FUNDED : XVI
 STATUS : COMPLETED
 COUNTRY : EGYPT
 AGENCY : MIN. OF AGR. LAND & RECLAMATION
 ITTO BUDGET(US\$) : 301,730.00
 STARTING YEAR : 1994

DESCRIPTION :

The project followed up on the activities of project PD 170/91 Rev.1 (F) under which a seed bank and seven nurseries were established.

The project helped the country establish improved infrastructure for the production of high quality planting material; total production capacity is now beyond 1 million seedlings. It provided for sprinkling systems, electricity supply, fences, pumps, and green houses for the previously established nurseries and established two new ones. The seed bank was further equipped with dryers and incubators. Training activities were also performed under the project to provide nursery staff with additional skills in plant production. Although the nurseries were not self-sufficient when the project closed, they are expected to be so once production levels are closer to maximum capacity.

The project completion report, including details of the project's achievements, was circulated during the ITTC's twentieth session as PCF(XVIII/13).

PROJECT: PD028/95 Rev.1 (F)

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

SESSION APPROVED :XIX
 SESSION FUNDED : XIX
 STATUS : COMPLETED
 COUNTRY : PHILIPPINES
 AGENCY : FOREST MANAGEMENT BUREAU
 ITTO BUDGET(US\$) : 162,271.00
 STARTING YEAR : 1996

DESCRIPTION :

This project consisted of a conference which was held in Manila, Philippines on 21-23 May 1996. The conference addressed the positive aspects, shortcomings, and limitations of community forestry as a tool to promote sustainable forest management. 130 participants from 40 countries, representing ITTO projects, government agencies, NGO's, and regional development organizations participated in the conference, and exchanged views and experiences with community forestry in their countries. They declared that community forestry was a fundamental requirement in forest management, that players should provide an enabling environment for it to operate, and requested ITTO and other international organizations to strengthen their support for community forestry. Lastly, conference participants made recommendations on priority areas for action, which covered public and private investment, training, research and development, and networking.

The final report of the conference was distributed as PCF(XIX)/14 during the ITTC's twenty-first session. The proceedings of the conference are available from the ITTO Secretariat.

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 :XII
 SESSION FUNDED : XII
 STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET(US\$) : 1,225,245.00
 STARTING YEAR : 1992

DESCRIPTION :

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

PROJECT: PD068/89 Rev.1 (F)

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

SESSION APPROVED :VII
 SESSION FUNDED : VII
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL

DESCRIPTION :

The long term aim is to introduce harvesting and management methods which secure sustained production and minimize adverse effects from forest utilization on water, soil, and animal resources. The project will contribute to this by establishing trials of techniques and methods for harvesting management and regeneration in a 5,000 ha block of the Tapajos Natural Forest

AGENCY : BRAZLN. INS. FOR ENV.
AND RENWBLE NAT. RES.
(IBAMA)
ITTO BUDGET(US\$) : 1,513,146.00
STARTING YEAR : 1992

in order to promote the optimal use of harvested material and effective integration of the Tapajos Forest utilization in the economy of the Santarem region and by publishing the results of the trials and establishing demonstration areas. A basic forest management plan has been developed 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.

PROJECT: PD074/90 Rev.1 (F)

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

SESSION APPROVED :VIII
SESSION FUNDED : VIII
STATUS : OPERATIONAL
COUNTRY : GERMANY (GLOBAL)
AGENCY : FEDERAL RESEARCH
CENTRE FOR FORESTRY
AND FOREST PRODUCT
ITTO BUDGET(US\$) : 600,000.00
STARTING YEAR : 1992

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

PROJECT: PD077/90 (F)

TITLE : ESTABLISHMENT OF A PILOT AREA FOR SILVICULTURE IN CLOSED FORESTS IN CONGO

SESSION APPROVED :VIII
SESSION FUNDED : IX
STATUS : OPERATIONAL
COUNTRY : CONGO
AGENCY : CENTRE PILOTE
D'AFFORESTATION EN
LIMBA (CPAL)
ITTO BUDGET(US\$) : 529,000.00
STARTING YEAR : 1991

DESCRIPTION :
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.

PROJECT: PD089/90 (F) I

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

SESSION APPROVED :VIII
SESSION FUNDED : VIII
STATUS : OPERATIONAL
COUNTRY : INDONESIA
AGENCY : MINISTRY OF FORESTRY,
INDONESIA
ITTO BUDGET(US\$) : 3,800,000.00
STARTING YEAR : 1991

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: PD089/90 (F) II

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

SESSION APPROVED :XXI
SESSION FUNDED : XXI
STATUS : OPERATIONAL
COUNTRY : INDONESIA
AGENCY : MINISTRY OF FORESTRY,
INDONESIA
ITTO BUDGET(US\$) : 1,795,610.00
STARTING YEAR : 1997

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 other than ITTO's.

PROJECT: PD095/90 (F) III TITLE : FOREST MANAGEMENT IN THE ALEXANDER VON HUMBOLDT NATIONAL FOREST, PHASE III

SESSION APPROVED :IX
 SESSION FUNDED : XIX
 STATUS : OPERATIONAL
 COUNTRY : PERU
 AGENCY : INRENA
 ITTO BUDGET(US\$) : 529,610.00
 STARTING YEAR : 1996

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 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 :IX
 SESSION FUNDED : IX
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : IBAMA
 ITTO BUDGET(US\$) : 469,000.00
 STARTING YEAR : 1991

DESCRIPTION :

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

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

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

PROJECT: PD103/90 Rev.1 (F) TITLE : TRAINING AND MANPOWER DEVELOPMENT IN COMMUNITY FORESTRY MANAGEMENT

SESSION APPROVED :IX
 SESSION FUNDED : IX
 STATUS : OPERATIONAL
 COUNTRY : NEPAL
 AGENCY : INSTITUTE OF FORESTRY, TRIBHUVAN UNIVERSITY, NEPAL
 ITTO BUDGET(US\$) : 1,203,000.00
 STARTING YEAR : 1992

DESCRIPTION :

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.

The objectives will be reached through a visiting scholar program, over four years, consisting of 8 man-years of internationally recruited experts in relevant fields. Their tasks and duties comprise the following: a) Creation of teaching modules; b) Initiating and conducting field research projects; c) analyze, prepare, and present research findings for publication; d) Conduct seminars and conferences near the end of the term; and e) Convene an international conference near the end of the term. All these activities will be conducted in close liason with the Dean of the Institute of Forestry, with an overriding objective of training the local counterpart staff for self-reliance and competency to continue the program at the completion of the project.

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 :IX
 SESSION FUNDED : IX
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA

DESCRIPTION :

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

AGENCY : FOREST DEPT., STATE GOVT. OF SARAWAK 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(US\$) : 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 :IX
 SESSION FUNDED : IX
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : THE SARAWAK FOREST DEPARTMENT

ITTO BUDGET(US\$) : 1,760,176.00
 STARTING YEAR : 1991

DESCRIPTION :

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.

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 harvesting 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 :IX
 SESSION FUNDED : IX
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : THE SARAWAK FOREST DEPARTMENT

ITTO BUDGET(US\$) : 1,750,837.00
 STARTING YEAR : 1991

DESCRIPTION :

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

PROJECT: PD115/90 Rev.1 (F) TITLE : REHABILITATION OF NATURAL FORESTS

SESSION APPROVED :IX
 SESSION FUNDED : IX
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FORESTRY DEPARTMENT HEADQUARTERS, PENINSULAR MALAYSIA

ITTO BUDGET(US\$) : 550,797.00
 STARTING YEAR : 1991

DESCRIPTION :

The project will develop silvicultural measures for rehabilitating degraded forests and restoring their productive capacity while at the same time safeguarding environmental quality and ecological balance. The proposed project constitutes the establishment phase of a long-term research and development effort. The expected results of the project 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.

It also envisaged that the efforts to rehabilitate degraded and disturbed forests in Malaysia, and the experiences gained from it, will contribute to the improvement of the world's forest resources and the environment.

PROJECT: PD120/91 Rev.4 (F,I) TITLE : DEVELOPMENT OF AN OPERATIONAL MODEL FOR SUSTAINABLE MANAGEMENT OF NATURAL TROPICAL FORESTS

SESSION APPROVED :XII
 SESSION FUNDED : XII
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : STATE DEPARTMENT OF FORESTRY, SABAH

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, as well as forest based industrialization.

The project will assist achieving this objective by:

ITTO BUDGET(US\$) : 464,161.00
 STARTING YEAR : 1993

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)
 SESSION APPROVED :X
 SESSION FUNDED : X
 STATUS : OPERATIONAL
 COUNTRY : PANAMA
 AGENCY : INSTITUTE FOR RENEWABLE NATURAL RESOURCES (INRENARE)
 ITTO BUDGET(US\$) : 489,000.00
 STARTING YEAR : 1992

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

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)
 SESSION APPROVED :X
 SESSION FUNDED : X
 STATUS : OPERATIONAL
 COUNTRY : PHILIPPINES
 AGENCY : JAPAN OVERSEAS FORESTRY CONSULTANTS ASSOCIATION (JOFCA)
 ITTO BUDGET(US\$) : 780,000.00
 STARTING YEAR : 1993

TITLE : PLANTATION ESTABLISHMENT METHODS - PHASE I

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 Nueva Viscaya, Philippines, 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)
 SESSION APPROVED :X
 SESSION FUNDED : X
 STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : OFFICE NATIONAL DE DEVELOPEMENT DES FORETS (ONADEF)
 ITTO BUDGET(US\$) : 534,000.00
 STARTING YEAR : 1991

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

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'olala forest reserve has been selected for this scheme, as it is typical of the essentially unlogged forests that remain in the central and southern provinces of Cameroon. It is also part of the 20% of the land area the Government of Cameroon has decided to retain as its permanent forest estate and will be complemented by other programs designed to establish a national system of biodiversity reserves.

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: PD162/91 Rev.1 (F)
 SESSION APPROVED :X
 SESSION FUNDED : X
 STATUS : OPERATIONAL
 COUNTRY : PAPUA NEW GUINEA

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

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

AGENCY : FOREST RESEARCH INSTITUTE
 ITTO BUDGET(US\$) : 1,628,000.00
 STARTING YEAR : 1992

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

PROJECT: PD171/91 Rev.2 (F) I

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

SESSION APPROVED : XI
 SESSION FUNDED : XIV
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA
 AGENCY : MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET(US\$) : 905,596.00
 STARTING YEAR : 1994

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: PD172/91 Rev.2 (F) II

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

SESSION APPROVED : XI
 SESSION FUNDED : XIX
 STATUS : OPERATIONAL
 COUNTRY : COLOMBIA
 AGENCY : MINISTRY OF THE ENVIRONMENT
 ITTO BUDGET(US\$) : 632,974.00
 STARTING YEAR : 1996

DESCRIPTION :
 The hillside ecosystems of Caqueta have been severely degraded as a result of past land use practices associated with colonization in the area. The overall objective of the project is to rehabilitate the forest production potential and other potential resource uses.
 The project will be implemented over a three year period and will involve resource evaluation, socio-economic research and the development of a recovery plan in consultation with affected residents. Pilot scale demonstration areas of key elements of the recovery plan, will also be established.

PROJECT: 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 : XI
 SESSION FUNDED : XI
 STATUS : OPERATIONAL
 COUNTRY : ECUADOR
 AGENCY : JUAN MANUEL DURINI FORESTRY FOUNDATION
 ITTO BUDGET(US\$) : 750,403.50
 STARTING YEAR : 1992

DESCRIPTION :
 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:
 a) Conservation in-situ and ex-situ: 250 ha;
 b) Natural regeneration improvement of forests under selective cutting;
 c) Forest plantation, species introduction essays, provenance studies and native species arboreta: 200 ha;
 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 : XI
 SESSION FUNDED : XIV
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FORESTRY DEPARTMENT HEADQUARTERS, PENINSULAR MALAYSIA
 ITTO BUDGET(US\$) : 1,056,789.00
 STARTING YEAR : 1993

DESCRIPTION :
 The total land under natural forest in Peninsular Malaysia is estimated at 5.51 million ha, of which 2.36 million ha are logged over production forests. The logging system used to date has proved to be mechanically effective an cost efficient in lowland forests which have since been converted to agriculture. Since the operations are now moving into steeper terrain however, logging impact is damaging the residual stands, inhibiting forest regeneration and causing other environmental damage.
 The objectives of the project are two-fold. The first is to develop and disseminate better harvesting and logging methods for hill forests, while the second is to develop and extend enrichment planting techniques for logged over forests.

<p>PROJECT: PD186/91 Rev.2 (F)</p> <p>SESSION APPROVED :XII SESSION FUNDED : XII STATUS : OPERATIONAL COUNTRY : MALAYSIA AGENCY : FRIM ITTO BUDGET(US\$) : 712,800.00 STARTING YEAR : 1993</p>	<p>TITLE : TREE FLORA OF SABAH AND SARAWAK</p> <p>DESCRIPTION :</p> <p>The objective of the project is to develop and publish a complete document (4 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.</p>
<p>PROJECT: PD202/91 Rev.1 (F)</p> <p>SESSION APPROVED :XI SESSION FUNDED : XIV STATUS : OPERATIONAL COUNTRY : THAILAND AGENCY : SCONTE ITTO BUDGET(US\$) : 1,039,500.00 STARTING YEAR : 1993</p>	<p>TITLE : SUSTAINABLE FOREST MANAGEMENT THROUGH COLLABORATIVE EFFORTS</p> <p>DESCRIPTION :</p> <p>Forest lands have played an important role in Thailand's economy 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 to shifting cultivation, however, has led to declining agricultural yields, and therefore to the decrease of overall agricultural output.</p> <p>The objective of the proposed project is to develop models of collaborative forestry systems in cooperation with local populations, NGOs, and government institutions. The model aims to improve sustainable forest production and agricultural output, and raise the revenue of the local population.</p> <p>Four 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.</p>
<p>PROJECT: PD008/92 Rev.2 (F)</p> <p>SESSION APPROVED :XIII SESSION FUNDED : XVI STATUS : OPERATIONAL COUNTRY : HONDURAS AGENCY : NATIONAL SCHOOL OF FORESTRY SCIENCE (ESNACIFOR) ITTO BUDGET(US\$) : 922,467.00 STARTING YEAR : 1994</p>	<p>TITLE : STUDY ON THE GROWTH OF NATIVE SPECIES OF COMMERCIAL INTEREST IN HONDURAS</p> <p>DESCRIPTION :</p> <p>In 1986 Honduras had about 2.7 million ha of broadleaf forest and 2.4 million ha of coniferous forest. The deforestation rate however, is approximately 90,000 ha per year, including an estimated 70,000 ha of broadleaf forest. This has resulted in a total loss of about 1,417,926 ha of broadleaf forest since 1966. With this level of deforestation, a great number of commercially valuable species are lost. The reasons for deforestation are varied, but evidently the greatest influence has been the under-valuation of the forests by the rural communities due to the fact that all forest have been state owned. In response to this problem, this five year project aims at gathering additional information on timber species by increasing, improving and adequately protecting broad-leaved forest resources, thereby contributing to forest knowledge and valuation. More immediately, the project aims at generating and transferring information to promote the establishment of commercial plantations of non-traditional broadleaved species.</p>
<p>PROJECT: PD009/92 Rev.2 (F)</p> <p>SESSION APPROVED :XIII SESSION FUNDED : XIII STATUS : OPERATIONAL COUNTRY : HONDURAS AGENCY : ASOCIACION PRO-DESAROLLO DE ISLAS DE LA BAHIA ITTO BUDGET(US\$) : 722,619.00 STARTING YEAR : 1993</p>	<p>TITLE : FOREST MANAGEMENT IN ISLAS DE LA BAHIA, HONDURAS, CENTRAL AMERICA</p> <p>DESCRIPTION :</p> <p>The Department of Islas de la Bahia is made up of 3 islands, with covering 261 square km. The population of the department is increasing rapidly. From a population of 12,000 in 1980, it is currently over 22,000. This has resulted in an increasing deforestation rate 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.</p> <p>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.</p>

PROJECT:	PD011/92 Rev.1 (F)	TITLE : DEVELOPMENT AND DISSEMINATION OF RE-AFFORESTATION TECHNIQUES OF MANGROVE FORESTS
SESSION APPROVED :	XII	DESCRIPTION :
SESSION FUNDED :	XII	Globally, mangrove forests account for about 20 million ha and are situated in heavily populated coastal areas. These forests are used intensively for many purposes ranging from industrial purposes to the protection of 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.
STATUS :	OPERATIONAL	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 resources.
COUNTRY :	THAILAND	To meet these objectives, the main activities proposed for the project will include:
AGENCY :	JAPAN ASSOCIATION FOR MANGROVES (JAM)	- the survey of existing information on mangrove forests, mangrove species and mangrove afforestation techniques;
ITTO BUDGET(US\$) :	815,850.00	- the valuation of the current state of denuded mangrove forest lands in ITTO member countries;
STARTING YEAR :	1993	- the development of mangrove afforestation methodologies and technologies to be tested in 3 selected sites in Thailand; and
		- training and extension and the dissemination of projects results.
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 :	XII	DESCRIPTION :
SESSION FUNDED :	XIX	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:
STATUS :	OPERATIONAL	* 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.
COUNTRY :	CHINA	* Comparative studies of forest management practices in the tropical areas of China and other tropical producer countries.
AGENCY :	DEPT. OF FORESTRY, HAINAN PROVINCE, CHINA	* The establishment of a demonstration model area for plantation ligniculture.
ITTO BUDGET(US\$) :	1,091,925.00	* The establishment of a demonstration area for multi-purpose natural forest management.
STARTING YEAR :	1996	* The establishment of a demonstration model for protected conservation forests.
PROJECT:	PD018/92 Rev.1 (F)	TITLE : RESEARCH-DEVELOPMENT ASSOCIATED WITH MANAGEMENT OPERATIONS IN THE CLOSED FOREST OF COTE D'IVOIRE: DETERMINATION OF A FOREST TYPOLOGY RELATED TO SILVICULTURAL SYSTEMS
SESSION APPROVED :	XII	DESCRIPTION :
SESSION FUNDED :	XVII	At the beginning of the century the closed forests in Cote d'Ivoire accounted for about 15 million ha. This figure has been reduced to somewhere in the range of 2.5 to 3 million ha due to uncontrolled deforestation by farmers for agricultural purposes and selective forest exploitation, which have left the forest impoverished. The remaining forest range from the pristine closed forests to forests in different stages of degradation and agricultural fallow-lands. Its management calls for the application of appropriate and specific silvicultural treatments for each stand.
STATUS :	OPERATIONAL	The main objectives of this R&D project are:
COUNTRY :	COTE D'IVOIRE	- to develop a comprehensive and practical methodology to characterize forests stands requiring specific silvicultural treatment;
AGENCY :	SODEFOR	- to define for each of these specific situations, the corresponding silvicultural operations to be carried out; and
ITTO BUDGET(US\$) :	300,000.00	- to train forest management staff in field operations.
STARTING YEAR :	1995	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 defined silvicultural units will be carried out in a subsequent project. It is also hoped that the project's results will be replicated throughout the country and the neighbouring countries in the future.
PROJECT:	PD026/92 Rev.1 (F,I)	TITLE : DEVELOPMENT OF METHODS AND STRATEGIES FOR SUSTAINED MANGEMENT OF MOIST TROPICAL FORESTS IN CAMEROON
SESSION APPROVED :	XIII	DESCRIPTION :
SESSION FUNDED :	XIV	

STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET(US\$) : 1,957,100.00
 STARTING YEAR : 1994

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: PD037/92 Rev.1 (F)

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

SESSION APPROVED :XIII
 SESSION FUNDED : XVI
 STATUS : OPERATIONAL
 COUNTRY : GABON
 AGENCY : DIRECTION GENERALE DES EAUX ET FORETS
 ITTO BUDGET(US\$) : 1,265,292.00
 STARTING YEAR : 1994

DESCRIPTION :

The 1st forest exploitation zone of Gabon accounts for some 3.5 million ha along the coast and is naturally rich in Okoume species. The forest resources in this zone have become exhausted by repeated 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 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 system 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: 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 :XIII
 SESSION FUNDED : XVIII
 STATUS : OPERATIONAL
 COUNTRY : PERU
 AGENCY : MINISTRY OF AGRICULTURE
 ITTO BUDGET(US\$) : 977,550.00
 STARTING YEAR : 1995

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,I)

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

SESSION APPROVED :XIV
 SESSION FUNDED : XVII
 STATUS : OPERATIONAL
 COUNTRY : CONGO
 AGENCY : FORESTRY DEPARTMENT, MINISTRY OF WATERS & FORESTS
 ITTO BUDGET(US\$) : 756,762.00
 STARTING YEAR : 1995

DESCRIPTION :

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

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

The project's activities include detailed mapping of the Ngoua II Forest, which covers 44,080 ha, a forest inventory highlighting the potential of forest regeneration, and an assessment of the social and environmental conditions of this zone. The end result of the process will be to develop an integrated forest management plan for this forest zone, in such a way as to achieve the self-financing of all related activities.

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

SESSION APPROVED :XIV DESCRIPTION :

SESSION FUNDED : XIV 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.

STATUS : OPERATIONAL

COUNTRY : JAPAN (GLOBAL)

AGENCY : INTERNATIONAL SOCIETY OF MANGROVE ECOSYSTEMS (ISME)

ITTO BUDGET(US\$) : 732,984.00 The objective of the project is to compile relevant information and produce two books in order to enhance public awareness of the importance of mangrove ecosystems, and to provide the know-how on planting techniques, restoration, and rational management of mangrove communities.

STARTING YEAR : 1993

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); and
- compilation of relevant information and production of 2 books to meet the project objectives above.

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

SESSION APPROVED :XIV DESCRIPTION :

SESSION FUNDED : XIV

STATUS : OPERATIONAL

COUNTRY : COLOMBIA

AGENCY : MINISTRY OF THE ENVIRONMENT

ITTO BUDGET(US\$) : 338,643.00

STARTING YEAR : 1994

The proposed 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 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 in providing training and research to local tribes to assess, plan and evaluate programs 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, to be based on ITTO Guidelines for Sustainable Forest Management, shall include:

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

PROJECT: PD012/93 Rev.3 (F) TITLE : INTEGRATED FOREST FIRE MANAGEMENT IN INDONESIA - PHASE I: NATIONAL GUIDELINES ON THE PROTECTION OF TROPICAL FORESTS AGAINST FIRE

SESSION APPROVED :XV DESCRIPTION :

SESSION FUNDED : XX

STATUS : OPERATIONAL

COUNTRY : INDONESIA

AGENCY : PHPA, MINISTRY OF FORESTRY

ITTO BUDGET(US\$) : 830,621.00

STARTING YEAR : 1996

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.

PROJECT: PD020/93 Rev.1(F) TITLE : DEVELOPMENT OF NATIONAL GUIDELINES FOR THE SUSTAINABLE MANAGEMENT OF NATURAL TROPICAL FORESTS IN CAMEROON

SESSION APPROVED :XV DESCRIPTION :

SESSION FUNDED : XV

STATUS : OPERATIONAL

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

COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET(US\$) : 414,900.00
 STARTING YEAR : 1994

of the new Cameroonian forest policy. Project activities basically include:
 1. a 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; and
 3. the development of an awareness, plan as well as programs aiming at initiating practices of sustainable natural resources management, among rural populations.

PROJECT: PD022/93 Rev.4 (F)

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

SESSION APPROVED :XVII
 SESSION FUNDED : XVIII
 STATUS : OPERATIONAL
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET(US\$) : 725,102.00
 STARTING YEAR : 1995

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

PROJECT: PD024/93 Rev.2 (F)

TITLE : FOREST MANAGEMENT OF NATURAL FORESTS IN MALAYSIA - PHASE II

SESSION APPROVED :XV
 SESSION FUNDED : XV
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FORESTRY DEPARTMENT, MALAYSIA
 ITTO BUDGET(US\$) : 567,558.00
 STARTING YEAR : 1993

DESCRIPTION :
 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 for 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. Some of the activities proposed include: training of counterparts in data management, updating of the instruction manuals, conducting field level data collection, providing fellowship and post graduate studies and organizing an international workshop. Also, the project hopes to establish a network between the Forestry Department, the Forest Research Institute of Malaysia, the Agricultural University of Malaysia and the ASEAN Institute of Forest Management.

PROJECT: PD025/93 Rev.1 (F)

TITLE : EVALUATION OF PROGRESS MADE BY ECUADOR TOWARDS ACHIEVEMENT OF ITTO TARGET 2000

SESSION APPROVED :XV
 SESSION FUNDED : XV
 STATUS : OPERATIONAL
 COUNTRY : ECUADOR
 AGENCY : INEFAN
 ITTO BUDGET(US\$) : 597,130.00
 STARTING YEAR : 1994

DESCRIPTION :
 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.

PROJECT: PD026/93 Rev.1 (F)

TITLE : DEVELOPMENT OF BENTUANG KARIMUN NATURE RESERVE AS A NATIONAL PARK - PHASE I

SESSION APPROVED :XV
 SESSION FUNDED : XVI
 STATUS : OPERATIONAL
 COUNTRY : INDONESIA
 AGENCY : PHPA, MINISTRY OF FORESTRY
 ITTO BUDGET(US\$) : 1,165,722.00
 STARTING YEAR : 1994

DESCRIPTION :
 Bentuang Karimun is the largest nature reserve in West Kalimantan and is located adjacent to the Malaysian Lanjak Entimau Wildlife sanctuary, currently receiving assistance under ITTO Project PD 106/90 Rev.1 (F). These areas are reported to be the final retreat for the orangutan and the white fronted monkey.

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 could 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 in the socio-economic development in West and Central Kalimantan.

<p>PROJECT: PD032/93 Rev.2 (F)</p> <p>SESSION APPROVED :XV SESSION FUNDED : XV STATUS : OPERATIONAL COUNTRY : REGIONAL AGENCY : JOFCA ITTO BUDGET(US\$) : 596,996.00 STARTING YEAR : 1994</p>	<p>TITLE : REHABILITATION OF LOGGED-OVER FORESTS IN THE ASIA/PACIFIC REGION (SUB-PROJECT III)</p> <p>DESCRIPTION :</p> <p>Large areas of tropical forests in the Asia/Pacific Region have been harvested with little regard for sustainable management. As a result, many forests may not produce commercially valuable timber during the next cutting cycle. The 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.</p> <p>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, which resulted in the development of a manual containing a classification system for logged over forests, and attempted to link remote sensing techniques with the classification system. The final report of sub-project II was distributed as PCF XII/7. Two independent reviews of the final report of sub-project II were distributed as well. 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.</p>
<p>PROJECT: PD033/93 Rev.1 (F) I</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XVI STATUS : OPERATIONAL COUNTRY : BOLIVIA AGENCY : MINISTERIO DE DESARROLLO SOSTENIBLE Y MEDIO AMBIENTE ITTO BUDGET(US\$) : 1,591,520.00 STARTING YEAR : 1994</p>	<p>TITLE : CONSERVATION, MANAGEMENT, HARVESTING, AND INTEGRATED SUSTAINED USE OF FORESTS IN THE CHIMANES REGION, BENI, BOLIVIA - PHASE I</p> <p>DESCRIPTION :</p> <p>This project, a continuation of PD 88/90 (F), will be implemented in the Permanent Production Forest areas and the Chiman Indigenous Territory in the Chimanes forest of Beni, Bolivia, with the aim of achieving sustainable forest management through the implementation of a series of pilot forest management plans in conjunction with timber companies operating within the Permanent Production Forest and indigenous communities living in the Chiman Indigenous Territory.</p>
<p>PROJECT: PD035/93 Rev.4 (F) II</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : PANAMA AGENCY : ANCON ITTO BUDGET(US\$) : 664,650.00 STARTING YEAR : 1996</p>	<p>TITLE : FORESTRY MANAGEMENT, COMMUNITY DEVELOPMENT, AND SUSTAINED USE OF FORESTS ON THE PUNTA PATIÑO NATURE RESERVE, DARIEN REGION, REPUBLIC OF PANAMA - PHASE II</p> <p>DESCRIPTION :</p> <p>The project aims to establish forestry management and community agroforestry extension programs within the communities of Punta Patiño; promote sustainable reforestation and harvesting program; guarantee the improved living standards of said communities; and develop a sound scientific basis (impact assessments) from which to achieve and support the sustainable management and conservation of the forests in Punta Patiño and throughout Panamá.</p>
<p>PROJECT: PD004/94 Rev.2 (F)</p> <p>SESSION APPROVED :XVII SESSION FUNDED : XVII STATUS : OPERATIONAL COUNTRY : PAPUA NEW GUINEA AGENCY : PAPUA NEW GUINEA FORESTRY AUTHORITY ITTO BUDGET(US\$) : 289,070.00 STARTING YEAR : 1995</p>	<p>TITLE : EAST NEW BRITAIN BALSA INDUSTRY STRENGTHENING PROJECT</p> <p>DESCRIPTION :</p> <p>The project is to be conducted in the Gazelle Peninsular area of East New Britain Province. The project area is currently depressed owing to low agricultural commodity prices, which are forecast to continue in the medium term. Balsa is rapidly becoming an important form of diversification for local farmers but industry support and infrastructure are under-resourced and not coordinated. Also, balsa management is generally of a very poor standard.</p> <p>The objectives of the project are to improve the institutional and organisational effectiveness of the developing industry, and to improve smallholder incomes through balsa development, extension and training, and through genetic improvement of planting stocks. Project outputs will include farmer extension and training, support agency staff training, the development of an organisational structure for coordinating industry activities, and the development of a seed orchard.</p>

<p>PROJECT: PD008/94 Rev.2 (F)</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XVIII STATUS : OPERATIONAL COUNTRY : GHANA AGENCY : EVERGREEN CLUB OF GHANA ITTO BUDGET(US\$) : 77,015.00 STARTING YEAR : 1995</p>	<p>TITLE : EVERGREEN CLUB OF GHANA / ITTO YOUTH IN FORESTRY PROJECT</p> <p>DESCRIPTION :</p> <p>The objective of the project is to strengthen the capability of the Evergreen Club of Ghana (ECOG), an environmental NGO created by school children and which now has branches throughout the country. During the project, community/school environmental awareness activities will be organized and woodlots created. ITTO's support will help ECOG purchase 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.</p>
<p>PROJECT: PD016/94 Rev.1 (F)</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XVI STATUS : OPERATIONAL COUNTRY : PERU AGENCY : ECODESARROLLO, MEDIO AMBIENTE Y REFORESTACION (EDMAR) ITTO BUDGET(US\$) : 305,078.00 STARTING YEAR : 1995</p>	<p>TITLE : REFORESTATION FOR THE PRODUCTION OF VALUABLE TIMBER AND NON-TIMBER PRODUCTS</p> <p>DESCRIPTION :</p> <p>Deforestation in Peru has been caused mainly by the expansion of the agricultural frontier on lands not suitable for agriculture. This process is most evident 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.</p> <p>The objective of this project is to carry out reforestation demonstration activities on 150 ha of moist tropical forest for economic purposes and to attempt to restore the ecological balance of these lands, using high commercial value species combined with Croton lechleri species, which in the 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.</p>
<p>PROJECT: PD018/94 Rev.1 (F) I</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XVI STATUS : OPERATIONAL COUNTRY : PERU AGENCY : INRENA ITTO BUDGET(US\$) : 492,790.00 STARTING YEAR : 1994</p>	<p>TITLE : PARTICIPATORY FOREST DEVELOPMENT IN THE ALTO MAYO REGION FOR THE SUSTAINABLE MANAGEMENT OF MOIST TROPICAL FORESTS - PHASE I</p> <p>DESCRIPTION :</p> <p>Through the implementation of reforestation and forest management activities, this project will help increase the living standards of rural populations in the provinces of Rioja and Moyobamba and improve environmental conditions in the region. To achieve these aims, specific project objectives have been set, including a land-use allocation plan in the aforementioned provinces; the establishment of a regional forest seed bank; the establishment of a demonstration model for integrated management and harvesting of timber and non-timber resources in the natural forests of Alto Mayo; the implementation of a training and extension programs; and the promotion of applied forestry research.</p>
<p>PROJECT: PD027/94 Rev.2 (F)</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XVI STATUS : OPERATIONAL COUNTRY : GHANA AGENCY : 31ST DECEMBER WOMEN'S MOVEMENT ITTO BUDGET(US\$) : 694,823.00 STARTING YEAR : 1995</p>	<p>TITLE : WOMEN AND TROPICAL FOREST DEVELOPMENT PROGRAM</p> <p>DESCRIPTION :</p> <p>The objectives of this project are the establishment of a nursery and extension programme in 3 regions of Ghana, to be run by the 31st December Women's Movement (an NGO) to support community-based and private sector reforestation; the establishment of demonstration timber and non-timber forest product plantations; research on the cultivation of non-timber forest products; and to promote West Africa sub-regional consultation on the potential for women to support tropical reforestation.</p>
<p>PROJECT: PD028/94 Rev.2 (F)</p> <p>SESSION APPROVED :XVI SESSION FUNDED : XVIII STATUS : OPERATIONAL COUNTRY : PERU AGENCY : ASOCIACION BOSQUES Y DESARROLLO ITTO BUDGET(US\$) : 287,804.00 STARTING YEAR : 1995</p>	<p>TITLE : CONTINUATION OF THE PUBLICATION OF THE JOURNAL "BOSQUES Y DESARROLLO" AND THE ORGANIZATION OF A COMMUNICATION AND INFORMATION SERVICE</p> <p>DESCRIPTION :</p> <p>This project seeks to facilitate communication, information and exchange of experiences, concepts and technologies in the field of forestry, amongst various users in the region. Also, it hopes to disseminate concepts, experiences and appropriate technologies, in order to promote forest activities in consonance with the principles of sustained forest resource management. Lastly, by continuing the publication of the regional journal "Bosques y Desarrollo", the project hopes to consolidate this regional information and communication medium.</p>

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 :	XVI	DESCRIPTION :
SESSION FUNDED :	XVI	
STATUS :	OPERATIONAL	The specific objective of this project is to encourage and support, practical and cost-effective plans of participating countries to conserve genetic resources of selected, commercially important tree species, principally in production forests. Information about current activities and suggestions for future actions in the field of forest tree genetic resource conservation is gathered and discussed at a number of expert workshops in the participating countries.
COUNTRY :	JAPAN	
AGENCY :	ASEAN INSTITUTE OF FOREST MANAGEMENT (AIFM)	
ITTO BUDGET(US\$) :	992,017.00	
STARTING YEAR :	1996	
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 :	XIX	DESCRIPTION :
SESSION FUNDED :	XX	
STATUS :	OPERATIONAL	The main purpose of this project is to generate statistically reliable quantitative information on the growth dynamics of species and groups of species in the high tropical forests of the Guiana Region in Venezuela under various silvicultural treatments, and to establish an information system that, together with the ongoing forest monitoring network, will facilitate the gathering of information with which to define and, if necessary, re-orient management strategies in the silvicultural planning of these forests in order to achieve the sustainable management of forest reserves and woodlots.
COUNTRY :	VENEZUELA	
AGENCY :	SERVICIO FORESTAL VENEZOLANO	
ITTO BUDGET(US\$) :	265,498.30	
STARTING YEAR :	1996	
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 :	XVIII	DESCRIPTION :
SESSION FUNDED :	XIX	
STATUS :	OPERATIONAL	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". The targeted output of this project is to produce Volume 5(3) of the handbook, which is to cover lesser-known species.
COUNTRY :	INDONESIA	
AGENCY :	PROSEA	
ITTO BUDGET(US\$) :	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 :	XVIII	DESCRIPTION :
SESSION FUNDED :	XVIII	
STATUS :	OPERATIONAL	This proposal outlines phase II activities of ITTO project PD 75/90, and will provide the essential foundations to achieve sustainable forest management through the integration of local community development, wood products industry, and public sector research. This objective will be achieved through an African regional project that will result in:
COUNTRY :	GHANA	1) the establishment of provenance and conservation plantings of Iroko;
AGENCY :	FOREST RESEARCH INSTITUTE OF GHANA (FORIG)	2) demonstration of mixed native plantations;
ITTO BUDGET(US\$) :	668,891.00	3) determination of factors influencing regeneration of Iroko in natural forests;
STARTING YEAR :	1995	4) continuation of the development of an integrated pest management program for <i>Phytolyma lata</i> including the use of biological control; and
		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 :	XVIII	DESCRIPTION :
SESSION FUNDED :	XVIII	
STATUS :	OPERATIONAL	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, this project will be implemented in two phases, as follows:
COUNTRY :	GABON	Phase I: To develop a proposal for the allocation of land.
AGENCY :	DIRECTORATE GENERAL OF FORESTS AND FISHERIES	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.
ITTO BUDGET(US\$) :	1,252,475.00	
STARTING YEAR :	1995	

<p>PROJECT: PD009/95 Rev.2 (F)</p> <p>SESSION APPROVED :XVIII SESSION FUNDED : XVIII STATUS : OPERATIONAL COUNTRY : PERU AGENCY : INRENA ITTO BUDGET(US\$) : 704,503.00 STARTING YEAR : 1995</p>	<p>TITLE : REFORESTATION USING HIGH-VALUE TROPICAL SPECIES IN AGROFORESTRY SYSTEMS OF THE PROVINCE OF TAMBOPATA</p> <p>DESCRIPTION :</p> <p>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.</p>
<p>PROJECT: PD014/95 Rev.2 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XIX STATUS : OPERATIONAL COUNTRY : MALAYSIA AGENCY : FOREST DEPARTMENT, SARAWAK ITTO BUDGET(US\$) : 1,998,235.00 STARTING YEAR : 1995</p>	<p>TITLE : MODEL FOREST MANAGEMENT AREA - PHASE II</p> <p>DESCRIPTION :</p> <p>On the basis of a 10-year development plan prepared during phase I for an area of about 160,000 ha of mixed hill forests located in the center of Sarawak, phase II of the project intends to provide the following major outputs as part of the main objective of establishing systems of sustainable forest management which are environmentally acceptable. The main activities will be:</p> <ol style="list-style-type: none"> 1. Provide and maintain the necessary infrastructure facilities and monitoring networks in the model area to serve 3.-5. below. 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 and 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.
<p>PROJECT: PD015/95 Rev.3 (F)</p> <p>SESSION APPROVED :XXI SESSION FUNDED : XXI STATUS : OPERATIONAL COUNTRY : MALAYSIA AGENCY : SARAWAK FOREST DEPARTMENT ITTO BUDGET(US\$) : 1,261,780.00 STARTING YEAR : *</p>	<p>TITLE : DEVELOPMENT OF LANJAK-ENTIMAU WILDLIFE SANCTUARY AS A TOTALLY PROTECTED AREA - PHASE II</p> <p>DESCRIPTION :</p> <p>On the basis of a management plan prepared during Phase I, for an area of approximately 168,000 ha of unlogged lowland and hill forests located in the western interior of Sarawak, and contiguous with the Gunung Bentuang and Karimun Nature Reserve in West Kalimantan, Indonesia, the project intends to provide the following outputs as part of the main objective of establishing a Totally Protected Area, for the purpose of conservation of biological diversity and research into ecological processes relevant to sustainable forest management:</p> <ol style="list-style-type: none"> 1. Provide and maintain the necessary infrastructure facilities, monitoring and research networks in the Sanctuary to serve 3 and 4 below; 2. Provide and update the necessary guidelines for long-term management and the work plan for 3 and 4 below; 3. Monitor and conserve biological diversity in the Sanctuary through protection, research, education and community consultation programs; 4. Provide technical and scientific training for local communities, Forest Department staff, students in forest ecology, animal and plant taxonomy, ethnobiology and other biodiversity-related fields; and 5. Provide and management model applicable to Gunung Bentuang and Karimun Nature Reserve.
<p>PROJECT: PD016/95 Rev.2 (F)</p> <p>SESSION APPROVED :XVIII SESSION FUNDED : XVIII STATUS : OPERATIONAL COUNTRY : INDONESIA AGENCY : SEAMEO-BIOTROP ITTO BUDGET(US\$) : 456,989.00 STARTING YEAR : 1995</p>	<p>TITLE : FOREST HEALTH MONITORING TO MONITOR THE SUSTAINABILITY OF INDONESIAN TROPICAL RAIN FORESTS</p> <p>DESCRIPTION :</p> <p>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.</p> <p>Activities include the establishment of forest health monitoring plots within the existing Indonesian forest inventory plots to monitor parameters relevant to forest sustainability and biodiversity. Invited scientists will evaluate indicators pertaining to forest mensuration (growth, regeneration, mortality, stand structure), crowns (structure, defoliation, leaf area index), and damage (insects, disease, abiotic, and logging) aspects. A methodology will be developed to 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.</p> <p>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.</p>

In addition, training on the establishment of forest health monitoring plots will also be provided.

<p>PROJECT: PD030/95 Rev.1 (F) St.I</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XXI STATUS : OPERATIONAL COUNTRY : BRAZIL AGENCY : FUNPAR ITTO BUDGET(US\$) : 853,495.00 STARTING YEAR : 1996</p>	<p>TITLE : DISSEMINATION AND TRAINING ON ITTO GUIDELINES AND CRITERIA - PHASE II</p> <p>DESCRIPTION :</p> <p>The project aims to:</p> <p>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.</p> <p>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.</p>
<p>PROJECT: PD037/95 Rev.2 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XIX STATUS : OPERATIONAL COUNTRY : PANAMA AGENCY : INRENARE ITTO BUDGET(US\$) : 1,042,667.00 STARTING YEAR : 1996</p>	<p>TITLE : MANAGEMENT OF CATIVO FORESTS AND NON-TIMBER PRODUCTS WITH THE PARTICIPATION OF RURAL AND INDIGENOUS COMMUNITIES, DARIEN, PANAMA</p> <p>DESCRIPTION :</p> <p>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 (<i>Prioria copaifera</i>) is the dominant species. Cativo accounts for 95% of the raw material used for plywood production in Panama. Similarly, the project is aimed at the research and management of non-timber forest species, specifically Tagua (<i>Phytelephas semannii</i>), 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.</p>
<p>PROJECT: PD039/95 Rev.1 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XIX STATUS : OPERATIONAL COUNTRY : COLOMBIA AGENCY : NATIONAL CORPORATION FOR FOR. RES. & PROMOTION (CONIF) ITTO BUDGET(US\$) : 694,886.00 STARTING YEAR : 1996</p>	<p>TITLE : INSTITUTIONAL STRENGTHENING FOR THE SUSTAINABLE MANAGEMENT OF FOREST PLANTATIONS</p> <p>DESCRIPTION :</p> <p>This regional coverage project is aimed at strengthening the technical and operational capacities of the Autonomous Regional Corporations (ARC's), which are in charge of areas where forest activities represent a feasible production alternative because of their background or their established potential. Technical assistance will be provided to develop regional silvicultural guides for the planning and design of Forest Establishment and Management Plans (FEMP). Up-to-date basic technical infrastructure will also be provided for the evaluation, monitoring and follow-up of the FEMP's, and training on technical and silvicultural innovations will be given to professional teams that will be responsible for the management of forest plantations within the ARC areas.</p>
<p>PROJECT: PD041/95 Rev.1 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XIX STATUS : OPERATIONAL COUNTRY : GHANA AGENCY : THE FORESTRY DEPARTMENT ITTO BUDGET(US\$) : 333,380.00 STARTING YEAR : 1996</p>	<p>TITLE : PILOTING COLLABORATIVE FOREST MANAGEMENT SYSTEMS FOR OFF-RESERVE AREAS IN SOUTHERN GHANA</p> <p>DESCRIPTION :</p> <p>The specific objectives of this project include:</p> <p>i) Piloting new systems for the sustainable management of the off-reserve tree and forest resource by farmers, communities, and traditional authorities in collaboration with timber concession holders and professional foresters.</p> <p>ii) Preparation of guidelines for developing collaborative forest management systems for off-reserve areas.</p>
<p>PROJECT: PD012/96 Rev.2 (F)</p> <p>SESSION APPROVED :XXI SESSION FUNDED : XXI STATUS : OPERATIONAL COUNTRY : CONGO</p>	<p>TITLE : DEVELOPMENT OF A SUSTAINABLE MANAGEMENT PLAN FOR THE SOUANKE-SEMBE-KELLE AREA, CONGO - PHASE II</p> <p>DESCRIPTION :</p> <p>The aim of this proposal is to ensure the rational planning of sustainable forest resource utilization, whilst taking into account, both their existing potential and the constraints of the economic development of local populations and the Congolese nation at large, as well as the requirements for the conservation and protection of biodiversity and the environment.</p>

AGENCY : DIRECTION GENERALE DES
EAUX ET FORETS
ITTO BUDGET(US\$) : 446,180.00
STARTING YEAR : 1997

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

PROJECT: PD013/96 Rev.1 (F)

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

SESSION APPROVED :XX
SESSION FUNDED : XX
STATUS : OPERATIONAL
COUNTRY : BRAZIL
AGENCY : AMAZON WORKERS
CENTER (CTA)
ITTO BUDGET(US\$) : 824,493.00
STARTING YEAR : 1997

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

PROJECT: PD028/96 Rev.1 (F)

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

SESSION APPROVED :XX
SESSION FUNDED : XX
STATUS : OPERATIONAL
COUNTRY : GABON
AGENCY : MINISTRY OF WATER AND
FORESTS, POST AND
TELECOMMUNICATION
ITTO BUDGET(US\$) : 946,983.00
STARTING YEAR : 1996

DESCRIPTION :
The project seeks to prepare forest and wildlife reserve management plans covering approximately 1,300,000 ha of the forest area of Minkebe; and carrying out an inventory of 800,000 ha; gazetting of 500,000 ha as a natural reserve; and pilot management of 90,000 ha, 30,000 ha of which are on village lands.

PROJECT: PD035/96 Rev.2 (F)

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

SESSION APPROVED :XX
SESSION FUNDED : XX
STATUS : OPERATIONAL
COUNTRY : PHILIPPINES
AGENCY : SUSTAINABLE
ECOSYSTEMS INTL. CORP.
(SUSTEC)
ITTO BUDGET(US\$) : 1,481,001.00
STARTING YEAR : 1996

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

PROJECT: PD171/91 Rev.2 (F) II.I

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

SESSION APPROVED :XI
SESSION FUNDED : XXI
STATUS : PENDING AGREEMENT
COUNTRY : COLOMBIA
AGENCY : MINISTRY OF THE
ENVIRONMENT
ITTO BUDGET(US\$) : 725,365.00
STARTING YEAR : *

DESCRIPTION :
Mangrove forests still have quite extensive distributions in Colombia, but many areas they are threatened by 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: PD031/95 Rev.3 (F)

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

SESSION APPROVED :XXI
SESSION FUNDED : XXI
STATUS : PENDING AGREEMENT
COUNTRY : MALAYSIA
AGENCY : FOREST RESEARCH
INSTITUTE OF MALAYSIA
(FRIM)

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

ITTO BUDGET(US\$) : 547,893.15
 STARTING YEAR : *

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 :XIX
 SESSION FUNDED : XXI
 STATUS : PENDING AGREEMENT
 COUNTRY : REGIONAL
 AGENCY : SERVICIO FORESTAL VENEZOLANO

ITTO BUDGET(US\$) : 77,260.00
 STARTING YEAR : *

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 XXII Session of the of the International Tropical Timber Council in Santa Cruz de la Sierra, Bolivia.

PROJECT: PD042/96 Rev.1 (F) TITLE : SUPPORT FOR THE DEVELOPMENT OF A FORESTRY AND WILDLIFE LAW, PERU

SESSION APPROVED :XXI
 SESSION FUNDED : XXI
 STATUS : PENDING AGREEMENT
 COUNTRY : PERU
 AGENCY : INRENA

ITTO BUDGET(US\$) : 223,660.00
 STARTING YEAR : *

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

PROJECT: PD171/91 Rev.2 (F) II.II TITLE : CONSERVATION AND MANAGEMENT FOR MULTIPLE USE AND DEVELOPMENT OF COLOMBIAN MANGROVE SWAMPS - PHASE II. STAGE II

SESSION APPROVED :XI
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : COLOMBIA
 AGENCY : MINISTRY OF THE ENVIRONMENT

ITTO BUDGET(US\$) : 641,101.00
 STARTING YEAR : *

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: PD185/91 Rev.1 (F) II TITLE : SUSTAINABLE FOREST MANAGEMENT AND DEVELOPMENT IN PENINSULAR MALAYSIA - PHASE II

SESSION APPROVED :XI
 SESSION FUNDED : *
 STATUS : PENDING FINANCE
 COUNTRY : MALAYSIA
 AGENCY : FORESTRY DEPARTMENT HEADQUARTERS, PENINSULAR MALAYSIA

ITTO BUDGET(US\$) : 1,004,289.00
 STARTING YEAR : *

DESCRIPTION :
 The total land under natural forest in Peninsular Malaysia is estimated at 5.51 million ha, of which 2.36 million ha are logged over production forests. The logging system used to date has proved to be mechanically effective an cost efficient in lowland forests which have since been converted to agriculture. Since the operations are now moving into steeper terrain however, logging impact is damaging the residual stands, inhibiting forest regeneration and causing other environmental damage.
 The objectives of the project are two-fold. The first is to develop and disseminate better harvesting and logging methods for hill forests, while the second is to develop and extend enrichment planting techniques for logged over forests.

PROJECT: PD014/92 Rev.1 (F) III TITLE : A DEMONSTRATION PROGRAM OF SUSTAINABLE UTILIZATION OF TROPICAL FORESTS BY MEANS OF DIFFERENTIATED MANAGEMENT IN HAINAN ISLAND, CHINA - PHASE III

SESSION APPROVED :XII
 SESSION FUNDED : *
 STATUS : PENDING FINANCE
 COUNTRY : CHINA
 AGENCY : DEPT. OF FORESTRY, HAINAN PROVINCE, CHINA

ITTO BUDGET(US\$) : 750,000.00
 STARTING YEAR : *

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

PROJECT:	PD033/93 Rev.1 (F) II	TITLE : CONSERVATION, MANAGEMENT, HARVESTING, AND INTEGRATED SUSTAINED USE OF FORESTS IN THE CHIMANES REGION, BENI, BOLIVIA - PHASE II
SESSION APPROVED :	XVI	DESCRIPTION :
SESSION FUNDED :	*	This project, a continuation of PD 88/90 (F), will be implemented in the Permanent Production Forest areas and the Chiman Indigenous Territory in the Chimanes forest of Beni, Bolivia, with the aim of achieving sustainable forest management through the implementation of a series of pilot forest management plans in conjunction with timber companies operating within the Permanent Production Forest and indigenous communities living in the Chiman Indigenous Territory.
STATUS :	PENDING FINANCE	
COUNTRY :	BOLIVIA	
AGENCY :	MINISTERIO DE DESARROLLO SOSTENIBLE Y MEDIO AMBIENTE	
ITTO BUDGET(US\$) :	929,930.00	
STARTING YEAR :	*	
PROJECT:	PD018/94 Rev.1 (F) II	TITLE : PARTICIPATORY FOREST DEVELOPMENT IN THE ALTO MAYO REGION FOR THE SUSTAINABLE MANAGEMENT OF MOIST TROPICAL FORESTS - PHASE II
SESSION APPROVED :	XVI	DESCRIPTION :
SESSION FUNDED :	*	Through the implementation of reforestation and forest management activities, this project will help increase the living standards of rural populations in the provinces of Rioja and Moyobamba and improve environmental conditions in the region. To achieve these aims, specific project objectives have been set, including a land-use allocation plan in the aforementioned provinces; the establishment of a regional forest seed bank; the establishment of a demonstration model for integrated management and harvesting of timber and non-timber resources in the natural forests of Alto Mayo; the implementation of a training and extension programs; and the promotion of applied forestry research.
STATUS :	PENDING FINANCE	
COUNTRY :	PERU	
AGENCY :	INRENA	
ITTO BUDGET(US\$) :	888,310.00	
STARTING YEAR :	*	
PROJECT:	PD010/95 Rev.2 (F)	TITLE : EVALUATION OF SILVICULTURAL TRIALS OF INDIGENOUS TIMBER SPECIES FOR DEVELOPING FOREST PLANTATIONS IN GABON
SESSION APPROVED :	XIX	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(US\$) :	221,712.00	
STARTING YEAR :	*	
PROJECT:	PD030/95 Rev.1 (F) St.II	TITLE : DISSEMINATION AND TRAINING ON ITTO GUIDELINES AND CRITERIA - PHASE II
SESSION APPROVED :	XIX	DESCRIPTION :
SESSION FUNDED :	*	The project aims to:
STATUS :	PENDING FINANCE	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.
COUNTRY :	BRAZIL	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.
AGENCY :	FUNPAR	
ITTO BUDGET(US\$) :	806,020.00	
STARTING YEAR :	*	
PROJECT:	PD044/95 Rev.3 (F)	TITLE : MANAGEMENT AND CONSERVATION OF MANGROVES IN THE GULF OF FONSECA, HONDURAS
SESSION APPROVED :	XI	DESCRIPTION :
SESSION FUNDED :	*	This project has been designed with the aim of reducing the pressure exerted by local communities on mangrove forests through the establishment and protection of fast-growing plantations for energy purposes as an alternative to meet industrial and household requirements, while creating awareness amongst the communities of the importance of conserving this ecosystem. Furthermore, socioeconomic surveys and mangrove species valuation studies will be implemented.
STATUS :	PENDING FINANCE	
COUNTRY :	HONDURAS	
AGENCY :	COHDEFOR	
ITTO BUDGET(US\$) :	1,012,352.00	
STARTING YEAR :	*	

<p>PROJECT: PD008/96 Rev.1 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : HONDURAS AGENCY : CATIE ITTO BUDGET(US\$) : 1,196,889.00 STARTING YEAR : *</p>	<p>TITLE : CONSERVATION AND PEST MANAGEMENT FOR REALIZING THE POTENTIAL OF MAHOGANY AS A SUSTAINABLE MANAGED CROP</p>
	<p>DESCRIPTION :</p> <p>Long-term, sustainable production of mahogany is threatened by genetic erosion, whilst large-scale production in plantations is at present limited by the attacks of the mahogany shoot borer (<i>Hypsiphyla grandella</i>). Research to date at CATIE has demonstrated the existence of genetic variations resistant to <i>Hypsiphyla</i> attack. The logical next steps are to test a wide variety of genetic material in order to identify the best genotypes, and to systematically test complementary silvicultural systems, whilst conserving the genetic base of the species. The project, through the implementation of these activities, will establish the base for sustainable production of mahogany in plantations. The main activities will include: exploration and seed collection; DNA characterization; clonal testing; development and application of long-term seed storage techniques for ex situ conservation; genetic engineering of <i>Hypsiphyla</i>-resistant mahogany; and the design and testing of other non-genetic elements of an integrated pest management strategy that will permit large-scale plantation silviculture of mahogany. Products will include ex situ germplasm collections, and information from genetic and pest management trials.</p>
<p>PROJECT: PD017/96 Rev.2 (F)</p> <p>SESSION APPROVED :XXI SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : INDONESIA AGENCY : MINISTRY OF FORESTRY - INTAG ITTO BUDGET(US\$) : 1,141,461.00 STARTING YEAR : *</p>	<p>TITLE : TECHNICAL ASSISTANCE TO THE NATIONAL FOREST INVENTORY (NFI), INDONESIA</p>
	<p>DESCRIPTION :</p> <p>Over the past seven years the Ministry of Forestry (MOF), through the Directorate General of Forest Inventory and Land Use Planning (INTAG), has implemented a national forest inventory. Considerable investments have been made in infrastructure, human resources and data collection, resulting in a facility integrating field inventory, remote sensing and geographic information system technologies and data bases at a national level.</p> <p>The MOF now wishes to build on these achievements. In particular it seeks to ensure that the forest resource information that has been, and continues to be collected, is put to best use for strategic national forest planning purposes. The existing NFI facility is to be consolidated and enhanced to provide support and strategic planning at a national level and to become the centre for national forest resource information. The MOF realises that continued technical assistance is needed to help achieve these objectives and therefore proposes the technical assistance to the National Forest Inventory Project for funding by ITTO.</p>
<p>PROJECT: PD018/96 Rev.2 (F)</p> <p>SESSION APPROVED :XXI SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : PERU AGENCY : INRENA ITTO BUDGET(US\$) : 1,194,049.00 STARTING YEAR : *</p>	<p>TITLE : VALIDATION OF STUDIES, DEVELOPMENT OF MANAGEMENT PLANS AND PROPOSAL FOR SUSTAINABLE FOREST PRODUCTION UNITS</p>
	<p>DESCRIPTION :</p> <p>The objective of this project is to increase sustainable forest production in the Peruvian natural forests through forest management plans, with the aim of updating existing forest management plans and studies in the country so as to make recommendations for the demarcation and implementation of permanent forest production units under management plans, with the participation of the private sector.</p>
<p>PROJECT: PD019/96 Rev.1 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : PERU AGENCY : INRENA ITTO BUDGET(US\$) : 755,981.00 STARTING YEAR : *</p>	<p>TITLE : FOREST PLANTATIONS FOR COMMERCIAL PURPOSES IN AREAS OF "CHACA-CHACALES" IN THE PROVINCE OF SATIPO</p>
	<p>DESCRIPTION :</p> <p>An area of 750 hectares of open field forest plantations for commercial purposes will be established using slow and fast growing heliophyte species, such as <i>Cedrela odorata</i>, <i>Swietenia macrophylla</i>, <i>Cedrelina catenaeformis</i>, <i>Amburana cearensis</i>, <i>Calophyllum</i> sp., <i>Guazuma crinita</i>, <i>Schizolobium amazonicum</i> and other tropical species of commercial interest, particularly from the genera <i>Eucalyptus</i>. Success will be ensured through the implementation of forest extension and training strategies, and validation of silvicultural technologies. A management plan designed to achieve the sustainability of the said plantations will be established with the participation of settlers/farmers who hold title deeds over their lands in the Province of Satipo, Department of Junin, in the Region of Andres A. Caceres.</p>
<p>PROJECT: PD027/96 Rev.1 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : GABON</p>	<p>TITLE : FORESTRY AND GENETIC IMPROVEMENT OF THE OKOUME (<i>AUCOUMEA KLAINEANA</i>, PIERRE) - PHASE II</p>
	<p>DESCRIPTION :</p> <p>The project will develop techniques for the renewal of the forests of Okoume and provide improved plant material adapted to the country's principal areas of timber production.</p>

AGENCY : GENERAL
ADMINISTRATION OF
WATER AND FORESTS
ITTO BUDGET(US\$) : 436,867.00
STARTING YEAR : *

<p>PRE-PROJECT: PPD043/91 Rev.1 (F)</p> <p>SESSION APPROVED :XI SESSION FUNDED : XII STATUS : COMPLETED COUNTRY : BRAZIL AGENCY : FUNDACAO DA UNIVERSIDADE FEDERAL DO PARANA (FUNPAR)</p> <p>ITTO BUDGET(US\$) : 228,900.00 STARTING YEAR : 1994</p>	<p>TITLE : REHABILITATION OF DEGRADED FOREST LAND IN THE AMAZON - A CASE STUDY IN THE CARAJAS MINERAL PROVINCE</p> <p>DESCRIPTION :</p> <p>The pre-project studied and developed sustainable forest and agriculture production systems focusing on agro-forestry, to help rehabilitate degraded tropical forest ecosystems; and formulated a pilot project. Some of the project activities included a socio-economic diagnosis of the Grande Carajas area, the elaboration of a base map, a survey of agroforestry models applicable to the area, the development of an agroforestry databank, the selection of agroforestry sites in Para(1) and Maranhao(1), and the organization of several workshops to discuss the contents and points to be covered in an eventual project proposal.</p> <p>All activities concluded in April 1996. The final report of the project was circulated as PCF(XVIII)/19.</p>
<p>PRE-PROJECT: PPD001/93 Rev.1 (F)</p> <p>SESSION APPROVED :XIV SESSION FUNDED : XIV STATUS : COMPLETED COUNTRY : CONGO AGENCY : LE DIRECTION DES ETUDES ET DE LA PLANIFICATION</p> <p>ITTO BUDGET(US\$) : 174,090.00 STARTING YEAR : 1994</p>	<p>TITLE : FEASIBILITY STUDY FOR THE PREPARATION OF A MANAGEMENT PLAN FOR THE SOUANKE-SEMBE-KELLE AREA IN THE NORTH-WEST CONGO</p> <p>DESCRIPTION :</p> <p>The pre-project collected baseline data on forest activities, forestry administration, rural economy and ecology, and designed and defined the procedures, parameters, equipment needed, costs, etc., in order to carry out a multipurpose forest inventory, land use plans, forest management plans and training activities for the local staff. The work was carried out by experts in the fields of forest management, photo-interpretation and mapping, rural economics, and forest ecology.</p> <p>The project output was a project proposal (PD 12/96 Rev.2 (F)) that was approved during the twenty-first ITTC session. Also, five reports covering the topics mentioned above were produced. The final report of the pre-project was circulated as PCF(XIX)/8, during the ITTC's twenty-first session.</p>
<p>PRE-PROJECT: PP-F/08-19</p> <p>SESSION APPROVED :VIII SESSION FUNDED : VIII STATUS : OPERATIONAL COUNTRY : IUCN (GLOBAL) AGENCY : INTL. UNION FOR THE CONSERVATION OF NATURE (IUCN)</p> <p>ITTO BUDGET(US\$) : 235,000.00 STARTING YEAR : 1990</p>	<p>TITLE : REALISTIC STRATEGIES FOR THE CONSERVATION OF BIOLOGICAL DIVERSITY IN TROPICAL MOIST FORESTS</p> <p>DESCRIPTION :</p> <p>This pre-project identified the steps necessary to ensure the conservation of biological diversity of tropical moist forests. It is reporting on the current situation regarding protected area networks, examining the problems of maintaining protected areas and integrating them with other land-use activities, and assessing the state of knowledge regarding biodiversity conservation in production forests under various forms of management.</p> <p>IUCN has already released a publication titled "Conservation of Biological Diversity" in English, French and Spanish. The latter two books shall be distributed at ITTO's twenty-second session. The project is expected to be reported as completed at the same session.</p>
<p>PRE-PROJECT: PPD003/92 Rev.1 (F)</p> <p>SESSION APPROVED :XII SESSION FUNDED : XIV STATUS : OPERATIONAL COUNTRY : BRAZIL AGENCY : SINDIMAD - SINDICATO DOS MADEIREIROS DO PARA</p> <p>ITTO BUDGET(US\$) : 107,625.00 STARTING YEAR : 1993</p>	<p>TITLE : INTEGRATED FOREST PROJECT FOR THE PRODUCTION OF SEEDLINGS IN PARA STATE - FEASIBILITY STUDY</p> <p>DESCRIPTION :</p> <p>The objective of the pre-project is to study the technical, economic, legal, social and environmental implications and constraints for the establishment of a regional program for seedling production, to support the efforts needed to recover areas degraded by inappropriate conversion, harvesting or forest management techniques. The project is considering a joint effort between local communities and the local timber industry.</p>
<p>PRE-PROJECT: PPD006/93 Rev.1 (F)</p> <p>SESSION APPROVED :XIV SESSION FUNDED : XIV STATUS : OPERATIONAL COUNTRY : ITTO (GLOBAL) AGENCY : ITTO</p> <p>ITTO BUDGET(US\$) : 129,410.00 STARTING YEAR : 1993</p>	<p>TITLE : THE DEVELOPMENT OF GUIDELINES FOR THE PROTECTION OF TROPICAL FORESTS AGAINST FIRE</p> <p>DESCRIPTION :</p> <p>The objective of this pre-project is to develop principles and a set of possible actions to prevent and manage tropical forest fires, to 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 a national level.</p>

PRE-PROJECT:	PPD008/93 (F)	TITLE : DEMONSTRATION AREAS FOR SUSTAINABLE MANAGEMENT OF PRODUCTION FORESTS
SESSION APPROVED :	XIV	DESCRIPTION :
SESSION FUNDED :	XIV	This pre-project aims at creating awareness of the actual level of performance in achieving sustainable management of tropical production forests. Producing member countries are requested to submit to the ITTO, forest areas that can be considered managed according to the ITTO Guidelines and Criteria for Sustainable Forest Management. These forests will then serve as showcases for the practical implementation of sustainable forest management of production forests.
STATUS :	OPERATIONAL	
COUNTRY :	ITTO (GLOBAL)	
AGENCY :	ITTO	
ITTO BUDGET(US\$) :	110,000.00	
STARTING YEAR :	1993	
PRE-PROJECT:	PPD011/93 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 :	XV	DESCRIPTION :
SESSION FUNDED :	XVI	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.
STATUS :	OPERATIONAL	
COUNTRY :	COLOMBIA	
AGENCY :	MINISTRY OF THE ENVIRONMENT	
ITTO BUDGET(US\$) :	252,375.00	
STARTING YEAR :	1994	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:	PPD012/93 (F)	TITLE : BIOTECHNOLOGY AND SUSTAINABLE PRODUCTION OF TROPICAL TIMBER
SESSION APPROVED :	XVI	DESCRIPTION :
SESSION FUNDED :	XVI	During it's XVth Session, the ITTC decided to request the Executive Director of ITTO to contract a study on biotechnology issues which pertain to sustainable production, processing and marketing of tropical timber. This project has been designed in order for the Secretariat to implement this decision.
STATUS :	OPERATIONAL	
COUNTRY :	ITTO	
AGENCY :	ITTO	
ITTO BUDGET(US\$) :	44,000.00	
STARTING YEAR :	1995	
PRE-PROJECT:	PPD008/94 Rev.2 (F)	TITLE : DIAGNOSIS AND DESIGN OF A SUPPORT PROGRAM FOR PLANFOR
SESSION APPROVED :	XVIII	DESCRIPTION :
SESSION FUNDED :	XVIII	This project intends to support the implementation of PLANFOR through an analysis of forest problems, the development of appropriate solutions and the methodology to implement them, as well as to encourage the involvement of civil society, particularly rural communities and the timber industry, in afforestation programs and the sustained management of forests.
STATUS :	OPERATIONAL	
COUNTRY :	ECUADOR	
AGENCY :	CORMADERA	
ITTO BUDGET(US\$) :	154,821.00	
STARTING YEAR :	1995	
PRE-PROJECT:	PPD006/95 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 :	XVIII	DESCRIPTION :
SESSION FUNDED :	XVIII	This pre-project was developed in response to the conclusions and recommendations made to PD 32/94 Rev.1 (F,1) by the ninth ITTO Expert Panel on Project Appraisal. The panel recommended that a pre-project proposal be formulated incorporating the suggested modifications. These were: 1) that 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; and 2) that 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.
STATUS :	OPERATIONAL	
COUNTRY :	PANAMA	
AGENCY :	INRENARE	
ITTO BUDGET(US\$) :	251,407.00	
STARTING YEAR :	1995	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 production in natural (primary or secondary) forests, incorporating measures to lessen the environmental impact of the activities to be implemented and to strengthen community participation.

<p>PRE-PROJECT: PPD008/95 Rev.2 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XIX STATUS : OPERATIONAL COUNTRY : GLOBAL AGENCY : ISME ITTO BUDGET(US\$) : 96,427.00 STARTING YEAR : 1996</p>	<p>TITLE : MANGROVE RESOURCE INFORMATION SYSTEM OF THE SCOPE AND CONTENT OF EXISTING DATABASES</p> <p>DESCRIPTION : The long-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.</p>
<p>PRE-PROJECT: PPD014/95 Rev.3 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : TOGO AGENCY : ODEF ITTO BUDGET(US\$) : 40,090.00 STARTING YEAR : *</p>	<p>TITLE : IDENTIFICATION AND PLANNING OF MEASURES FOR THE SUSTAINABLE MANAGEMENT OF TEAK PLANTATIONS IN TOGO</p> <p>DESCRIPTION : Togo has more than 20,000 hectares of plantations, 6,000 ha of which are teak, and are scattered around the southern 3/4 of the country. So far, these plantations have received very little silvicultural treatment. The specific objectives of this pre-project are to develop management plans and identify and assess the necessary measures for institutional strengthening to ensure the sustainable management of these plantations.</p>
<p>PRE-PROJECT: PPD017/95 Rev.1 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : EGYPT AGENCY : UNDERSECRETARIAT FOR AFFORESTATION, MINISTRY OF AGRICULTURE</p> <p>ITTO BUDGET(US\$) : 77,015.00 STARTING YEAR : 1996</p>	<p>TITLE : DEVELOPMENT AND PROMOTION OF AFFORESTATION ACTIVITIES IN EGYPT</p> <p>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.</p>
<p>PRE-PROJECT: PPD003/96 Rev.1 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : PERU AGENCY : INRENA ITTO BUDGET(US\$) : 193,593.00 STARTING YEAR : 1996</p>	<p>TITLE : DESIGN OF A SOCIALLY SUSTAINABLE FOREST MANAGEMENT MODEL</p> <p>DESCRIPTION : The hiring of a team of experts is proposed in order to formulate a management plan, designed and implemented with the active participation of local communities in the conversion forest areas of the Alexander von Humboldt National Forest. The implementation of this proposal would be a solution to the impacts of the de-facto occupation of the areas not included in the management plan of ITTO Project PD 95/90, it would generate a tropical timber surplus for export, and it would lead to the establishment of new industries. Most importantly, it would create permanent and secure sources of income for the participating communities, thus ensuring the viability of forest-based socio-economic development.</p>
<p>PRE-PROJECT: PPD004/96 Rev.1 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : CONGO AGENCY : DIRECTION GENERALE DES EAUX ET FORETS</p> <p>ITTO BUDGET(US\$) : 44,385.00 STARTING YEAR : *</p>	<p>TITLE : DEVELOPMENT OF A MASTER PLAN FOR FOREST MANAGEMENT IN CONGO</p> <p>DESCRIPTION : The aim of this pre-project is to define a global strategy and an action plan with the view of planning on lands suitable for forests and to developing forest management plans.</p>
<p>PRE-PROJECT: PPD005/96 (F)</p> <p>SESSION APPROVED :XX SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : THAILAND AGENCY : THAILAND ENVIRONMENT INSTITUTE</p> <p>ITTO BUDGET(US\$) : 41,878.22 STARTING YEAR : 1996</p>	<p>TITLE : BUFFER ZONE DEVELOPMENT FOR SUSTAINABLE FOREST MANAGEMENT</p> <p>DESCRIPTION : This proposal will undertake a six month pre-project study to assess the requirements for buffer zone management at Kaeng Krachan National Park. The selected site is the largest protected park in Thailand and as such is an important refuge for many rare species, a large number of these being endemic to Thailand. The park is currently suffering encroachment at many points along its boundary and therefore urgently requires a management strategy designed to protect natural forest resources and also alleviate the pressure for land in the surrounding communities.</p>

The project will assess the current status of the buffer zone area of the project site, then examine other buffer zone areas which have implemented management projects and use this information to design a buffer zone management strategy. This management strategy will then be implemented and evaluated in a three year project, designed to maximize the protection of its natural forest resources. The long term objective is to help eliminate the pressure on natural forest areas within the protected area system in Thailand.

PRE-PROJECT:	PPD008/96 (F)	TITLE : SUSTAINABLE FOREST MANAGEMENT IN THE RAPIRAN BOLSON, BOLIVIAN AMAZON REGION
SESSION APPROVED :	XX	DESCRIPTION :
SESSION FUNDED :	XX	This pre-project is aimed at strengthening a project proposal to be implemented in an area of over 150,000 ha located in the Nicolas Suarez Province in the Department of Pando. It seeks to implement a sustainable management system with a view to increasing forest production in the natural forests of the Bolivian Amazon region through forest management plans that will facilitate the participation of private companies and native communities in the project area on the basis of institutional strengthening and development.
STATUS :	OPERATIONAL	
COUNTRY :	BOLIVIA	
AGENCY :	DIRECCION FORESTAL Y DE VIDA SILVESTRE	
ITTO BUDGET(US\$) :	45,753.00	
STARTING YEAR :	1996	
PRE-PROJECT:	PPD015/96 Rev.1 (F)	TITLE : TECHNICAL ASSISTANCE TO DEVELOP A MAPPING AND INVENTORY PROJECT AIMED AT THE SUSTAINABLE MANAGEMENT AND ADMINISTRATION OF FOREST RESOURCES
SESSION APPROVED :	XXI	DESCRIPTION :
SESSION FUNDED :	XXI	This proposal will provide technical assistance through a project to reinforce and further develop the current level of knowledge on Panama's forest cover in its current state and recommend a land use management plan based on the potential of the resource and its efficient utilization. The project will also define an overall strategy and action plan to strengthen Panama's capabilities to monitor its progress towards the achievement of the Year 2000 Objective.
STATUS :	OPERATIONAL	
COUNTRY :	PANAMA	
AGENCY :	INRENARE	
ITTO BUDGET(US\$) :	49,902.00	
STARTING YEAR :	1997	
PRE-PROJECT:	PPD017/96 Rev.1 (F)	TITLE : STUDY AND DEFINITION OF A GENERAL SCHEME FOR IMPLEMENTING STRATEGIES FOR THE SUSTAINABLE MANAGEMENT OF THE FORESTS OF GABON IN ACCORDANCE WITH THE YEAR 2000 ITTO OBJECTIVE
SESSION APPROVED :	XXI	DESCRIPTION :
SESSION FUNDED :	XXI	This pre-project aims to define the following action strategies for the sustainable management of the forests of Gabon: 1) survey of the entire national forest territory, 2) continue forest territory stratification studies, and 3) the development and implementation of management plans for stands within the permanent forest estate.
STATUS :	OPERATIONAL	
COUNTRY :	GABON	
AGENCY :	MINISTRY OF WATER & FORESTS, GABON	
ITTO BUDGET(US\$) :	88,242.00	
STARTING YEAR :	1997	
PRE-PROJECT:	PPD013/96 Rev.1 (F)	TITLE : ESTABLISHMENT OF A NETWORK OF PERMANENT SAMPLE PLOTS TO MONITOR THE DYNAMICS OF THE COTE D'IVOIRE RESERVED FORESTS
SESSION APPROVED :	XXI	DESCRIPTION :
SESSION FUNDED :	XXI	This pre-project is aimed at establishing a network of permanent sample plots to improve existing knowledge on the dynamics of forest stands (both natural and planted) for the purpose of establishing the sustainable management of forest ecosystems in Cote d'Ivoire.
STATUS :	PENDING AGREEMENT	
COUNTRY :	COTE D'IVOIRE	
AGENCY :	SODEFOR	
ITTO BUDGET(US\$) :	84,930.00	
STARTING YEAR :	*	
PRE-PROJECT:	PPD016/96 Rev.2 (F)	TITLE : DEMONSTRATION ON REFORESTATION USING TROPICAL HARDWOOD SPECIES IN YUNNAN PROVINCE OF CHINA
SESSION APPROVED :	XXI	DESCRIPTION :
SESSION FUNDED :	XXI	The specific objectives of the pre-project are to critically assess various aspects of tropical reforestation in Yunnan Province, China, and to formulate a project proposal to deal with the reforestation of lands in the Province with tropical hardwood species, with the participation of forestry related research and development agencies as well as local communities, especially indigenous forest dwellers and resettled populations.
STATUS :	PENDING AGREEMENT	
COUNTRY :	CHINA	
AGENCY :	DEPARTMENT OF FORESTS, YUNNAN PROVINCE	
ITTO BUDGET(US\$) :	91,046.50	
STARTING YEAR :	*	

<p>PRE-PROJECT: PPD018/95 (F)</p> <p>SESSION APPROVED :XIX SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : PANAMA AGENCY : INRENARE ITTO BUDGET(US\$) : 49,849.00 STARTING YEAR : *</p>	<p>TITLE : CONSOLIDATION OF SUSTAINABLE FOREST MANAGEMENT IN THE PANAMANIAN MOIST TROPICS THROUGH FOREST EXTENSION AND RESEARCH STRENGTHENING</p> <p>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.</p>
<p>PRE-PROJECT: PPD009/96 Rev.1 (F)</p> <p>SESSION APPROVED :XXI SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : CONGO AGENCY : DIRECTION GENERALE DES EAUX ET FORETS ITTO BUDGET(US\$) : 63,658.00 STARTING YEAR : *</p>	<p>TITLE : ESTABLISHMENT OF A CENTER FOR THE PRODUCTION OF FOREST TREE SEEDS</p> <p>DESCRIPTION : The aim of this pre-project is to carry out a feasibility study on the establishment of a suitable technical infrastructure for the production and conditioning of forest tree seeds, in order to have a bank available of the necessary seeds to meet user demands.</p>
<p>PRE-PROJECT: PPD010/96 Rev.1 (F)</p> <p>SESSION APPROVED :XXI SESSION FUNDED : * STATUS : PENDING FINANCE COUNTRY : TOGO AGENCY : DIRECTION DES PRODUCTIONS FORESTIERES (DPF) ITTO BUDGET(US\$) : 50,302.00 STARTING YEAR : *</p>	<p>TITLE : PRELIMINARY STUDY FOR A PROJECT ON THE PRODUCTION OF TIMBER BY AGROFORESTRY METHODS IN THE WAWA REGION (PLATEAU REGION OF TOGO)</p> <p>DESCRIPTION : Wawa Prefecture is situated in the forested area of Togo. It is a particularly suitable region for cash crop (coffee and cocoa) farming. Cash crop cultivation has been promoted at the expense of the forests, which have almost disappeared from the Akposso rural landscape. This pre-project is aimed at surveying the prevailing conditions with a view to preparing a project document on the production of timber by the taungya method in the Wawa Prefecture (Plateau region of Togo). The key concept is to reduce, or even eliminate, the negative effects of cash crops, which is linked to the destruction of forest cover. The pre-project intends to re-introduce forest timber species into the Akposso farming environment to re-establish the forest estate to satisfy local timber demand and increase foreign currency earnings.</p>
<p>PRE-PROJECT: PP-F/05-11</p> <p>SESSION APPROVED :V SESSION FUNDED : V STATUS : SUSPENDED COUNTRY : LIBERIA AGENCY : FORESTRY DEVELOPMENT AUTHORITY ITTO BUDGET(US\$) : 25,000.00 STARTING YEAR : *</p>	<p>TITLE : COORDINATED NATURAL FOREST MANAGEMENT AND SUSTAINABLE RURAL DEVELOPMENT IN AREAS ADJOINING SAPO NATIONAL PARK, LIBERIA</p> <p>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 Sapu 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.</p>

PROJECT:	PD209/91 Rev.2 (I)	TITLE : STUDY OF ZAIRIAN TIMBER WITH A VIEW TO PROMOTING CERTAIN SPECIES
SESSION APPROVED :	XII	DESCRIPTION :
SESSION FUNDED :	XII	This 5-year project will contribute to restructuring and strengthening the Zairian Center for Timber Promotion and assist with the implementation of research and marketing activities to promote the utilization and trade of Zairian lesser-known species. The activities include: (i) the renovation and equipping of CTP office and laboratory facilities; (ii) collection and information on Zairian species and establishment of a data bank; (iii) implementation of basic research on wood anatomy and mechanical strength; (iv) on-the-job training of Zairian staff on timber technology, marketing and data bank operations; (v) organization of market promotion events in major domestic outlets; and (vi) organization of overseas promotion missions and participation in international timber fairs.
STATUS :		
COUNTRY :	ZAIRE	
AGENCY :	CENTER FOR TIMBER PROMOTION	
ITTO BUDGET(US\$) :	695,116.00	
STARTING YEAR :		Contractual arrangements for project implementation were finalized in February 1993. The implementing agency has been notified that ITTO is holding consultations with the donor country concerning the disbursement of project funds to allow project commencement.
<hr/>		
PROJECT:	PD102/90 (I)	TITLE : DEVELOPMENT OF WAFERBOARD PRODUCTS FROM POTENTIAL TROPICAL WOOD SPECIES FOR BUILDING PRE-FABRICATED HOUSES
SESSION APPROVED :	IX	DESCRIPTION :
SESSION FUNDED :	IX	This 18-month project researched the utilization of Amazonian tropical species for manufacturing waferboard for construction use. Boards were experimentally produced with three different species. Variables studied were resin content and pressing time. The boards' strength and dimensional stability properties were analyzed. The statistical analysis indicated that the panels made of Cedrelinga catenaeformis (cedrorana) with 9% of resins and 8 minutes press time had the best performance, within the physical and mechanical properties studied. Therefore, boards with these specifications were manufactured for use in the prototype house.
STATUS :	COMPLETED	
COUNTRY :	BRAZIL	
AGENCY :	INPA	
ITTO BUDGET(US\$) :	72,480.00	
STARTING YEAR :	1992	This project provided unique information on the use of Amazonian species for waferboard manufacturing, though limited to aspects related to the technical appropriateness of three species as sources of wood raw material for this composite panel. Assessment of initial data on the boards performance in the prototype house indicate that from an engineering viewpoint the experimental boards could compete with plywood. However, conclusions supporting this industrial and marketing option could not be made because of the lack of an overall economic feasibility study.
<hr/>		
PROJECT:	PD150/91 Rev.1 (I)	TITLE : IDENTIFICATION AND NOMENCLATURE OF COMMERCIAL TROPICAL TIMBER SPECIES IN THE ANDEAN SUB-REGION
SESSION APPROVED :	X	DESCRIPTION :
SESSION FUNDED :	X	This sub-regional project studied the nomenclature and identification of one hundred tropical timber species of the Andean countries. The study included 20 species from each of the Andean-Pact countries (Bolivia, Colombia, Ecuador, Peru and Venezuela).
STATUS :	COMPLETED	
COUNTRY :	PERU	
AGENCY :	INIA	
ITTO BUDGET(US\$) :	550,000.00	The results of the project study and research were published in a comprehensive handbook on the "Identification of the Forests' Species of the Andean Sub-Region". For each species the handbook provides information on nomenclature, tree description, species and silviculture distribution and availability, anatomical and physical properties of the wood, and wood utilization. The handbook also includes high quality photographs and drawings which are quite useful to facilitate species identification.
STARTING YEAR :	1993	This project developed and presented in the handbook practical species identification methods and tools at the dendrological and anatomical levels. The handbook is expected to remove tree identification difficulties, thus contributing to forest management and timber production and trade operations.
Five thousand copies of the handbook have been printed and are being distributed to interested parties in Bolivia, Colombia, Ecuador, Peru and Venezuela.		
<hr/>		
PROJECT:	PD152/91 Rev.1 (I)	TITLE : HARMONIZATION OF TECHNICAL TROPICAL TIMBER STANDARDS IN THE ANDEAN SUB-REGION
SESSION APPROVED :	X	DESCRIPTION :
SESSION FUNDED :	X	This project studied the reasons for limited use of forest products technical standards in the Andean sub-region and suggested actions to ensure effective use of standards. The assessments of standardization policies and of constraints to use of standards, as well as the identification and assessment of options to promote use of appropriate standards were carried out in each of the five countries participating in the project (Bolivia, Colombia, Ecuador, Peru and Venezuela).
STATUS :	COMPLETED	
COUNTRY :	PERU	
AGENCY :	INIA	
ITTO BUDGET(US\$) :	316,000.00	
STARTING YEAR :	1993	The project studies confirmed the indications that existing standards are relatively ineffective

and not known or used by industrialists. In some of the countries these standards were developed without the industry's participation and, therefore, do not reflect real life conditions. On the other hand, industrialists are not encouraged to improve product quality and production services because they are faced with a non-demanding consumer.

The project concluded that further work to prepare harmonized grading rules for the sub-region would be premature. Instead, recommendations were made for work to improve the use of existing standards in the participating countries, emphasizing needed action by the relevant institutions and timber industry and trade associations. The results of the situation assessments and recommendations were summarized in three technical reports published by the project: (i) Andean Technical Standards for Sawnwood Classification: Policies, Constraints and Application Options; (ii) Methodology and Criteria for Evaluation of Quality Control Systems in Wood Processing Enterprises; and (iii) Outline of a Quality Standard for Sawnwood in the Andean Region.

The project also included a training component focusing on the hardwood lumber classification rules of the National Hardwood Lumber Association (NHLA-USA). These standards are widely used by timber industries in the sub-region exporting to the United States.

PROJECT: PD020/92 Rev.1 (I)

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

SESSION APPROVED :XII
SESSION FUNDED : XII
STATUS : COMPLETED
COUNTRY : CHINA
AGENCY : CRIWI/CAF
ITTO BUDGET(US\$) : 86,700.00
STARTING YEAR : 1992

DESCRIPTION :

This project compiled and produced technical information to assist Chinese importers and users to properly identify, process and utilize tropical timbers from Africa. The technical literature on African tropical timbers was reviewed and technical data was put in a computer database for utilization by interested parties in China. The project was the second phase of a comprehensive program that includes the study of species from Southeast Asia, Africa and Latin America/Caribbean.

Information and specimens of 205 African tropical timbers were collected and studied under the project. An active exchange program was established with wood research institutes in Belgium, United Kingdom and France. It stored data and information on nomenclature, provenance, anatomical features, properties and main uses of African tropical timbers. To facilitate access and use of the data bank, a user's guide was prepared and made available. The data bank included the following main functions and characteristics: (i) retrieval of tree species according to wood anatomical features; (ii) retrieval of suitable tree species according to wood uses; (iii) retrieval of provenance, properties and uses according to tree species; and (iv) retrieval of species according to countries.

The project also prepared and published a handbook of "Tropical Timber in the African Region" in Chinese. The handbook presents comprehensive information on properties and uses of a total 205 wood species from Africa.

PROJECT: PD046/92 (I)

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

SESSION APPROVED :XIII
SESSION FUNDED : XIII
STATUS : COMPLETED
COUNTRY : ECUADOR
AGENCY : AIMA
ITTO BUDGET(US\$) : 223,650.00
STARTING YEAR : 1993

DESCRIPTION :

This project organized and convened a World Conference on Tropical Plywood in Quito, Ecuador (2-4 May 1995), 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.

The project sponsored participation of 40 representatives from the government and private sector of ITTO member countries actively involved in production and trade of tropical plywood. The conference program included three sessions: (a) trade and investment, (b) resources and production, and (c) technology. The conference, attended by 256 participants from the plywood industry in Latin America, the Caribbean and elsewhere in the world, proposed the establishment of a world federation of plywood associations to promote the plywood industry.

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)

SESSION APPROVED :VI
SESSION FUNDED : VI
STATUS : OPERATIONAL

DESCRIPTION :

This 12-month project is transferring to Cameroon technologies for processing lesser known

COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET(US\$) : 159,000.00
 STARTING YEAR : 1990

species wood raw materials into a manufactured stable product (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) is 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 day 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: PD012/87 (I)

TITLE : RESEARCH ON UTILIZATION OF TROPICAL TIMBER IN CONSTRUCTION

DESCRIPTION :

SESSION APPROVED :III
 SESSION FUNDED : VII
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : FRIM
 ITTO BUDGET(US\$) : 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: PD047/88 Rev.3 (I)

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

DESCRIPTION :

SESSION APPROVED :XI
 SESSION FUNDED : XI
 STATUS : OPERATIONAL
 COUNTRY : PHILIPPINES
 AGENCY : FPRDI
 ITTO BUDGET(US\$) : 763,992.60
 STARTING YEAR : 1993

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: PD060/89 (M,F,I)

TITLE : FELLOWSHIP AND RELATED ASSISTANCE PROGRAM TO PROMOTE TROPICAL FOREST SECTOR DEVELOPMENT

DESCRIPTION :

SESSION APPROVED :VI
 SESSION FUNDED : VI
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL (ITTO)
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 1,110,553.27
 STARTING YEAR : 1989

This project has been superseded by Phase II of the Fellowship Programme - PD 1/93 Rev.1 (M, F,I). However, PD 60/89 (M,F,I) will remain operational until all the ongoing Fellowships have been completed. During the history of the project, a total of 167 Fellowships were approved, of which 145 had been completed as of 27 February 1997; 5 are still operational; 17 have been terminated for unavoidable reasons.

PROJECT: PD073/89 (M,F,I)

TITLE : ASSISTANCE FOR PROJECT IDENTIFICATION AND FORMULATION

DESCRIPTION :

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

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

DESCRIPTION :

SESSION APPROVED :X
 SESSION FUNDED : X
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : FUNTAC
 ITTO BUDGET(US\$) : 1,875,000.00
 STARTING YEAR : 1993

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:	PD107/90 (I)	TITLE : STRATEGIES FOR SUSTAINABLE WOOD INDUSTRIES IN SARAWAK
SESSION APPROVED :	IX	DESCRIPTION :
SESSION FUNDED :	XII	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.
STATUS :	OPERATIONAL	
COUNTRY :	MALAYSIA	
AGENCY :	FORESTRY DEPARTMENT, SARAWAK	
ITTO BUDGET(US\$) :	462,577.50	
STARTING YEAR :	1992	
PROJECT:	PD109/90 Rev.4 (I)	TITLE : ASSISTANCE TO MODERNIZATION, RESTRUCTURING AND DEVELOPMENT OF WOOD-BASED INDUSTRIES IN COTE D'IVOIRE
SESSION APPROVED :	XII	DESCRIPTION :
SESSION FUNDED :	XII	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.
STATUS :	OPERATIONAL	
COUNTRY :	COTE D'IVOIRE	
AGENCY :	SODEFOR	
ITTO BUDGET(US\$) :	680,400.00	
STARTING YEAR :	1994	
PROJECT:	PD143/91 Rev.2 (I)	TITLE : NON-WOOD TROPICAL FOREST PRODUCTS: PROCESSING, TRADE AND COLLECTION
SESSION APPROVED :	X	DESCRIPTION :
SESSION FUNDED :	X	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 focuses 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.
STATUS :	OPERATIONAL	
COUNTRY :	BRAZIL	
AGENCY :	FUNATURA and IBAMA	
ITTO BUDGET(US\$) :	374,000.00	
STARTING YEAR :	1993	
PROJECT:	PD179/91 Rev.2 (I)	TITLE : INDUSTRIAL UTILIZATION AND IMPROVED MARKETING OF SOME GHANAIAN LESSER-USED TIMBER SPECIES FROM SUSTAINABLY MANAGED FORESTS
SESSION APPROVED :	XII	DESCRIPTION :
SESSION FUNDED :	XII	This 3-year project is implementing industrial utilization and marketing research activities to promote production, trade and consumption of products manufactured with lesser-used Ghanaian tropical timber species for which inventory data and technical properties information are available. While the project focus is on product development research and market studies, research on the environmental impact of harvesting lesser-used species at various intensity levels is also included. Dissemination of the technologies developed and other project results to forest industries of Ghana and selected countries in the region will occur through training workshops, seminars, and publications.
STATUS :	OPERATIONAL	
COUNTRY :	GHANA	
AGENCY :	FORIG	
ITTO BUDGET(US\$) :	985,273.00	
STARTING YEAR :	1993	
PROJECT:	PD017/92 Rev.4 (I)	TITLE : TECHNOLOGY TRANSFER/COMMERCIALIZATION OF SELECTED COCOWOOD UTILIZATION TECHNOLOGIES
SESSION APPROVED :	XV	DESCRIPTION :
SESSION FUNDED :	XV	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.
STATUS :	OPERATIONAL	
COUNTRY :	PHILIPPINES	
AGENCY :	FPRDI	
ITTO BUDGET(US\$) :	766,983.00	
STARTING YEAR :	1994	

PROJECT: PD001/93 Rev.1 (M,F,I) TITLE : ITTO FELLOWSHIP PROGRAM - PHASE 1

DESCRIPTION :

SESSION APPROVED :XIV
 SESSION FUNDED : XIV
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL (ITTO)
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 1,779,350.00
 STARTING YEAR : 1993

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

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

PROJECT: PD017/93 Rev.3 (M,F,I) TITLE : ITTO NETWORK FOR INFORMATION SHARING AND PROJECT SUPPORT

DESCRIPTION :

SESSION APPROVED :XIV
 SESSION FUNDED : XIV
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL (ITTO)
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 3,013,300.00
 STARTING YEAR : 1994

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

PROJECT: PD037/94 Rev.3 (I) TITLE : STRENGTHENING OF THE FOREST PRODUCTS LABORATORY OF IBAMA

DESCRIPTION :

SESSION APPROVED :XX
 SESSION FUNDED : XXI
 STATUS : OPERATIONAL
 COUNTRY : BRAZIL
 AGENCY : IBAMA
 ITTO BUDGET(US\$) : 556,703.00
 STARTING YEAR : 1996

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

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

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

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

PROJECT: PD047/94 Rev.3 (I) TITLE : INDUSTRIAL UTILIZATION OF LESSER-KNOWN FOREST SPECIES IN SUSTAINABLY MANAGED FORESTS

DESCRIPTION :

SESSION APPROVED :XIX
 SESSION FUNDED : XIX
 STATUS : OPERATIONAL
 COUNTRY : HONDURAS
 AGENCY : COHDEFOR
 ITTO BUDGET(US\$) : 735,335.00
 STARTING YEAR : 1996

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.

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. In addition, two hundred workers and technicians from the Cooperative and participating industries will be trained on appropriate harvesting and processing technologies.

PROJECT: PD020/95 Rev.2 (I)

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

SESSION APPROVED :XVIII
 SESSION FUNDED : XVIII
 STATUS : OPERATIONAL
 COUNTRY : CHINA
 AGENCY : INSTITUTE OF BOTANY,
 CHINESE ACADEMY OF
 SCIENCE
 ITTO BUDGET(US\$) : 83,345.00
 STARTING YEAR : 1996

DESCRIPTION :

This 4-year project is researching 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 in 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 :XVIII
 SESSION FUNDED : XVIII
 STATUS : OPERATIONAL
 COUNTRY : CHINA
 AGENCY : INSTITUTE OF BOTANY,
 CHINESE ACADEMY OF
 SCIENCE
 ITTO BUDGET(US\$) : 88,620.00
 STARTING YEAR : 1996

DESCRIPTION :

This 4-year project is carrying 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: PD003/96 Rev.2 (I)

TITLE : DEVELOPMENT AND EXTENSION OF RUBBERWOOD PROCESSING AND UTILIZATION TECHNOLOGY

SESSION APPROVED :XX
 SESSION FUNDED : XX
 STATUS : OPERATIONAL
 COUNTRY : CHINA
 AGENCY : CRIWI
 ITTO BUDGET(US\$) : 214,798.00
 STARTING YEAR : 1996

DESCRIPTION :

This 2-year project will study and disseminate timber processing and utilization technologies to improve the efficiency and competitiveness of rubberwood industries in China. The work will focus on the study and selection of appropriate rubberwood preservation (boron-based chemicals and fire retardants) and kiln-drying technologies. The selected technologies will be disseminated to the rubberwood industry through training courses offered to industry staff, who will also have the opportunity to participate in selected fairs, conferences and seminars.

To complete the project, a workshop/seminar will be convened to further disseminate its results.

PROJECT: PD039/93 Rev.3 (I)

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

SESSION APPROVED :XVIII
 SESSION FUNDED : XVIII
 STATUS : PENDING AGREEMENT

DESCRIPTION :

COUNTRY : MALAYSIA
 AGENCY : FRIM
 ITTO BUDGET(US\$) : 1,390,195.00
 STARTING YEAR :

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

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

PROJECT: PD024/95 Rev.1 (I)

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

SESSION APPROVED :XIX
 SESSION FUNDED : XXI
 STATUS : PENDING AGREEMENT
 COUNTRY : CHINA
 AGENCY : CRIWI
 ITTO BUDGET(US\$) : 111,830.00
 STARTING YEAR :

DESCRIPTION :

The development objectives of the project are 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 (M,F,I)

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

SESSION APPROVED :XIX
 SESSION FUNDED : XIX
 STATUS : PENDING AGREEMENT
 COUNTRY : GHANA
 AGENCY : MINISTRY OF LANDS AND FORESTRY
 ITTO BUDGET(US\$) : 138,205.00
 STARTING YEAR : 1996

DESCRIPTION :

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

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. A key output will be proposals for long-term monitoring of LUS, as well as, ecological, social and environmental impact assessment reports at project mid-life, an extensive video documentation of LUS utilization, and a manual and draft guidelines for LUS utilization.

PROJECT: PD015/96 Rev.2 (M,I)

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

SESSION APPROVED :XX
 SESSION FUNDED : XX
 STATUS : PENDING AGREEMENT
 COUNTRY : PHILIPPINES
 AGENCY : FPRDI
 ITTO BUDGET(US\$) : 345,196.00
 STARTING YEAR :

DESCRIPTION :

This 2-year project will collect and make available information on the production, trade and utilization of non-wood forest products (bamboo, rattan, palms, vines, bast fibers, almaciga resin, etc.) in two selected forest areas in the Philippines (western Samar and Luzon). The project will also provide information on the regeneration pattern and cycle of important non-wood forest products, and sustainable-yield collection practices will be recommended to local communities.

The project will also identify problems forest dwellers face in their trade and recommend and introduce appropriate improved methods of collection, processing and storage.

Finally, the project will prepare a comprehensive report relating the collection, processing,

utilization and trade of non-wood forest products to sustainable forest management, based on the assessments made in the two selected areas under study.

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

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

DESCRIPTION :

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

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

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

PROJECT: PD005/92 Rev.4 (I)
 SESSION APPROVED :XXI
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : CAMEROON
 AGENCY : ONADEF
 ITTO BUDGET(US\$) : 976,500.00
 STARTING YEAR :

TITLE : ESTABLISHMENT OF A CENTER FOR THE PROMOTION OF LESSER-KNOWN TROPICAL HARDWOOD SPECIES IN EUROPE

DESCRIPTION :

This 3-year project will establish a Center for the promotion of Cameroonian and other African hardwoods in selected European countries (France, Italy and Spain). The project activities include: (i) the setting-up (in Bourdeaux, France) and administration of the promotion Center, including a warehouse; (ii) promotional activities, which include preparation and dissemination of technical information organization of trade promotion seminars, and sale of 600m3 of lesser known species for trial processing by timber industries in the participating countries; and (iii) the formulation of a plan to establish the promotion Center on a continuing basis.

Upon project completion, promotion activities will have resulted in 30-45 trials carried out by European industries, and some of these are expected to lead to user industry decisions to utilize the tested species on a regular commercial basis, resulting in significant business deals in these species between producers/exporters and importers/users on a continuing basis.

PROJECT: PD013/95 Rev.3 (I)
 SESSION APPROVED :XX
 SESSION FUNDED :
 STATUS : PENDING FINANCE
 COUNTRY : FINLAND
 AGENCY : FTP
 ITTO BUDGET(US\$) : 1,090,000.00
 STARTING YEAR :

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

DESCRIPTION :

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

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

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

PROJECT: PD011/96 Rev.2 (I)

TITLE : STRENGTHENING AND DEVELOPMENT OF NON-CONVENTIONAL JOINERY TECHNOLOGY WITHIN THE CORPORATION FOR TIMBER PRODUCTION DEVELOPMENT IN THE COLOMBIAN PACIFIC REGION (CDP)

SESSION APPROVED :XXI

SESSION FUNDED :

STATUS : PENDING FINANCE

COUNTRY : COLOMBIA

AGENCY : CDP

ITTO BUDGET(US\$) : 540,500.00

STARTING YEAR :

DESCRIPTION :

In this 3-year project the Colombian Corporation for Timber Development in the Pacific region (CDP) will design and organize 12 training courses in the areas of (i) wood technology, (ii) wood finishing, (iii) non-conventional joinery, (iv) maintenance of cutting tools, (v) construction of wooden houses, (vi) industrial management principles, (vii) primary processing of wood, and (viii) community organization leadership. A total of 850 participants are to be trained in these courses, of which 540 will be in Santiago de Cali, 140 in Vereda Guacari (Lopez de Micay), and 170 in Buenaventura.

The training program will focus on simple low-investment, labor intensive production systems (EBNOC non-conventional joinery and UNIDO - type wooden house construction), mostly using timber shorts and other wood residues of the primary processing industries. The program has been designed to provide training for under-privileged social groups of Southwest Colombia, particularly blacks and females.

PROJECT: PD033/96 Rev.2 (M,F,I)

TITLE : WORKSHOP ON NONDESTRUCTIVE TESTING OF TROPICAL TIMBER

SESSION APPROVED :XX

SESSION FUNDED :

STATUS : PENDING FINANCE

COUNTRY : PHILIPPINES

AGENCY : FPRDI

ITTO BUDGET(US\$) : 139,788.00

STARTING YEAR :

DESCRIPTION :

This 1-year project will organize and convene a workshop to promote use of non-destructive testing for improving the quality control of wood products and inspection of timber structures in tropical timber producing countries. The proposed workshop will bring together researchers and practitioners to learn new technologies and discuss non-destruction methods and research needs for more efficient use of tropical timber. It is envisaged that the workshop will lead to the development and implementation of tropical timber non-destructive testing procedures in participating countries.

A minimum of 15 participants will attend the workshop, 10 of which will be sponsored by the project and include the following representatives: PNG (1); Malaysia (3); Indonesia (2); Fiji (1); Thailand (1); Africa (1); and Latin America (1).

PRE-PROJECT: PPD005/91 (I)	TITLE : PRE-FEASIBILITY STUDY ON HARMONIZATION OF TROPICAL PLYWOOD STANDARDS
SESSION APPROVED :XII SESSION FUNDED : XV STATUS : COMPLETED COUNTRY : GLOBAL AGENCY : ITTO ITTO BUDGET(US\$) : 88,000.00 STARTING YEAR : 1992	DESCRIPTION : This pre-project studied feasibility of developing appropriately harmonized tropical plywood standards for use in international trade. The study reviewed the most popular standards used by tropical plywood producers and importing countries: (i) British Standards (BS) 6566: (1985 Plywood); (ii) the IHPA Purchase Specifications for 3-Ply Wall Panel Imported Hardwood Plywood from Southeast Asia (1991); (iii) the Export Standard Specification of Japanese Plywood (1968); and (iv) the Japanese Agricultural Standard for Plywood for General Purpose (1988). The study concluded that the harmonization of glue bond and plywood marking requirements could be feasible. The work was based on comparisons between the 4 major standards with reference to requirements for veneer quality, glue bond and markings.
PRE-PROJECT: PPD006/94 Rev.1 (I)	TITLE : DEVELOPMENT AND EXTENSION ON THE RUBBERWOOD PROCESSING TECHNOLOGY
SESSION APPROVED :XVI SESSION FUNDED : XVI STATUS : COMPLETED COUNTRY : CHINA AGENCY : CRIWI ITTO BUDGET(US\$) : 26,375.00 STARTING YEAR : 1995	DESCRIPTION : This pre-project assisted 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 provided 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 also surveyed the rubberwood utilization situation in China and designed activities to disseminate in China the successful and appropriate processing and manufacturing practices that are common in Southeast Asia.
PRE-PROJECT: PPD009/94 Rev.1 (I)	TITLE : VALUE-ADDED WOOD PROCESSING OF FAST GROWING TROPICAL SPECIES
SESSION APPROVED :XVII SESSION FUNDED : XVII STATUS : COMPLETED COUNTRY : GLOBAL AGENCY : JOFCA ITTO BUDGET(US\$) : 177,517.00 STARTING YEAR : 1995	DESCRIPTION : The pre-project allowed the preparation of a report reviewing the current situation of wood processing of fast growing tropical species in producer member countries. This report is reproduced in document PPR 37/96 (I), entitled "Technical Review and Case Study on Value-Added Wood Processing of Fast Growing Tropical Species". The study also identified specific value-added products which have already been introduced and accepted by consumers in export markets and made several recommendations for the expansion and improvement of value-added processing. These include training, further dissemination of information on available technologies, and provision of information on potential markets for value-added products.
PRE-PROJECT: PPD050/91 (I)	TITLE : PROVISION OF ASSISTANCE FOR REASSESSMENT AND REFORMULATION OF ZAIRIAN PROJECT PROPOSALS PD205/91 (I) "NATIONAL SAW MAINTENANCE CENTRE," AND PD209/91 (I) "STUDY OF ZAIRIAN TIMBER WITH A VIEW TO PROMOTING CERTAIN SPECIES"
SESSION APPROVED :XI SESSION FUNDED : XI STATUS : OPERATIONAL COUNTRY : ZAIRE AGENCY : ITTO ITTO BUDGET(US\$) : 44,000.00 STARTING YEAR : 1992	DESCRIPTION : In coordination with the Zairian TFAP follow-up unit, this pre-project is assisting the Government of Zaire in preparing project proposals for presentation to ITTO, under the following terms of reference: (a) assess the wood production situation in Zaire, including the status and prospects for utilization and promotion of lesser-used species; (b) on the basis of the findings of activity (a) and taking account the Zairian institutional capability and institutional support that may be needed, develop the project profile presented under PD 209/91 into a full project proposal; (c) review and assess availability of appropriate saws and sawdoctoring training needs in Zaire and prepare recommendations for action to fill gaps, in light of ITTO priorities set up in the Action Plan. The planned activities may include the development of a full project proposal based on the profile presented under PD 205/91.
PRE-PROJECT: PPD002/92 Rev.1 (I)	TITLE : SUSTAINABLE DEVELOPMENT OF THE PLYWOOD INDUSTRY IN LATIN AMERICA
SESSION APPROVED :XII SESSION FUNDED : XV STATUS : OPERATIONAL	DESCRIPTION : This pre-project is conducting a survey to provide updated information on the structure of the

COUNTRY : BRAZIL
 AGENCY : ABIMCI
 ITTO BUDGET(US\$) : 115,500.00
 STARTING YEAR : 1996

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.

PRE-PROJECT: PPD011/92 (I)

TITLE : REVIEWING AND PREPARING SUPPORTING DOCUMENTS FOR WORK ON GUIDELINES FOR THE DEVELOPMENT OF SUSTAINABLE FOREST INDUSTRIES

SESSION APPROVED :XIII
 SESSION FUNDED : XIV
 STATUS : OPERATIONAL
 COUNTRY : GLOBAL (ITTO)
 AGENCY : ITTO
 ITTO BUDGET(US\$) : 157,200.00
 STARTING YEAR : 1993

DESCRIPTION :

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.

PRE-PROJECT: PPD009/93 (I)

TITLE : EXPANSION OF THE PRODUCTION CAPABILITY OF SMALL-MEDIUM SCALE FURNITURE MANUFACTURERS FOR THE PURPOSE OF INCREASING MALAYSIA'S EXPORT OF VALUE-ADDED TIMBER PRODUCTS

SESSION APPROVED :XV
 SESSION FUNDED : XV
 STATUS : OPERATIONAL
 COUNTRY : MALAYSIA
 AGENCY : MTIB
 ITTO BUDGET(US\$) : 62,760.00
 STARTING YEAR : 1995

DESCRIPTION :

This pre-project is studying 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.

PRE-PROJECT: PPD007/94 Rev.2 (I)

TITLE : PROJECT FOR THE ESTABLISHMENT OF THE AIMA FOREST CORPORATION - CORFOAIMA

SESSION APPROVED :XVII
 SESSION FUNDED : XVII
 STATUS : OPERATIONAL
 COUNTRY : ECUADOR
 AGENCY : AIMA
 ITTO BUDGET(US\$) : 101,491.00
 STARTING YEAR : 1996

DESCRIPTION :

This pre-project is carrying 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.

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: PPD015/95 Rev.2 (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 :XIX
 SESSION FUNDED : XX
 STATUS : OPERATIONAL
 COUNTRY : GHANA
 AGENCY : FORIG
 ITTO BUDGET(US\$) : 39,169.42
 STARTING YEAR : 1996

DESCRIPTION :

This pre-project convened a seminar in Ghana which focused on increasing the utilization and marketing of products from plantation grown timber. Three networked projects proposed by the project design team were discussed and were incorporated into subject areas: (i) more efficient utilization of small diameter logs; (ii) further manufactured production from sawnwood from small plantation grown trees; and (iii) utilization of residues from processing of small plantation grown logs. The seminar participants discussed the role that plantation grown timber can play and the relevance of the three research projects to the wood industry. Further defined were the species to be studied in the network research and the allocation of species to participating institutions. Discussions on sources of funding for the projects was also on the seminar agenda. Effective organization and the development of mechanisms to maintain a network on processing, utilization and marketing of small diameter timber was one of the major objectives of the seminar. Also considered by members were requests for equipment to enable them to carry out their assigned research activities.

PRE-PROJECT: PPD007/96 Rev.1 (I)	TITLE : UPGRADING PRODUCTION EFFICIENCY IN FURNITURE MANUFACTURING
SESSION APPROVED :XX SESSION FUNDED : XX STATUS : OPERATIONAL COUNTRY : MYANMAR AGENCY : MYANMAR TIMBER ENTERPRISE ITTO BUDGET(US\$) : 57,497.50 STARTING YEAR : 1996	DESCRIPTION : The specific objectives of the pre-project are to review the current situation of furniture manufacturing in Myanmar and formulate a project proposal which would define an overall strategy and an action plan for improving productivity in furniture manufacturing in Myanmar.
PRE-PROJECT: PPD002/96 Rev.2 (I)	TITLE : DEVELOPMENT OF THE INDIAN RUBBERWOOD INDUSTRY
SESSION APPROVED :XX SESSION FUNDED : XX STATUS : PENDING AGREEMENT COUNTRY : INDIA AGENCY : INDIAN RUBBERWOOD TASK FORCE ITTO BUDGET(US\$) : 58,025.00 STARTING YEAR :	DESCRIPTION : The pre-project's development objective is to promote greater utilization of rubberwood in India The pre-project will carry out studies on the present status of the rubberwood industry in India with a view to assessing its development potential, identify existing problems, and determine its technical assistance needs & thereby developing a project proposal for the integrated development of the Indian rubberwood industry components.
PRE-PROJECT: PPD012/96 Rev.1 (I)	TITLE : DEVELOPMENT AND IMPLEMENTATION OF STRESS GRADING RULES FOR TROPICAL TIMBERS
SESSION APPROVED :XXI SESSION FUNDED : XXI STATUS : PENDING AGREEMENT COUNTRY : PHILIPPINES AGENCY : FPRDI ITTO BUDGET(US\$) : 50,957.00 STARTING YEAR :	DESCRIPTION : This pre-project will assess the viability of implementing stress grading rules for tropical timber used by the construction industry in the Philippines. The assessment comprises of an exhaustive technical review of stress grading systems applicable to tropical timber, determination of the required effectiveness of a stress grading system appropriate for the Philippine situation and an economic analysis.
PRE-PROJECT: PPD018/96 Rev.2 (I)	TITLE : FORMULATION OF A GENERAL PLAN FOR THE INDUSTRIALIZATION OF TIMBER PRODUCTION IN GABON IN COMPLIANCE WITH THE SUSTAINABLE FOREST MANAGEMENT STANDARDS
SESSION APPROVED :XXI SESSION FUNDED : XXI STATUS : PENDING AGREEMENT COUNTRY : GABON AGENCY : MINISTRY OF FORESTRY ITTO BUDGET(US\$) : 94,001.00 STARTING YEAR :	DESCRIPTION : This pre-project proposal aims to define a global strategy and action plan to promote further industrialization of the timber sector in Gabon, taking into account the provisions of the government's new policy in the sector and the policy on the sustainable management of Gabonese forests.
PRE-PROJECT: PPD011/95 Rev.2 (I)	TITLE : INTERNATIONAL CONFERENCE ON VALUE-ADDED HARDWOOD PROCESSING AND UTILIZATION
SESSION APPROVED :XIX SESSION FUNDED : STATUS : PENDING FINANCE COUNTRY : GHANA AGENCY : FORIG ITTO BUDGET(US\$) : 107,534.00 STARTING YEAR :	DESCRIPTION : 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: (i) identification of value-added manufacturing opportunities in wood products; (ii) technical assistance to small and medium sized timber producing companies; and (iii) provision of an industry perspective which may be useful in the state policy development process.

ANNEX 2
Status of Members as at 31 December 1996
(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)
Russian Federation	28 Mar 1985		20 May 1985 (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
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
1996 ITTO Publications

General Information

1. GI-6 Annual Report 1995
2. GI-7 Annual Review and Assessment of the World Tropical Timber Situation 1995
3. GI-8 Reports of the Sessions of the International Tropical Timber Council and Permanent Committees on Economic Information and Market Intelligence (PCM), Reforestation and Forest Management (PCF) and Forest Industry (PCI):
 - ITTC(XIX) & PC(XVII) - Yokohama, Japan, November 1995
 - ITTC(XX) & PC(XVIII) - Manila, Philippines, May 1996

Reports of Seminars, Workshops and other Meetings

4. SRS-24 International Seminar for Establishing Tropical Forests and Timber Trade Statistics, Esie de Bingerville, Côte d'Ivoire. 22 May - 9 June 1995
5. SRS-25 International Training Seminar in Statistics for Tropical Forestry, Caracas, Venezuela. 7-25 August 1995
6. SRS-26 International Training Workshop on Tropical Forestry and Timber Trade Statistics. Kuala Lumpur, Malaysia. 27 November - 15 December 1995
7. SRS-27 Report of the Working Party on Certification of All Timber and Timber Products
8. SRS-28 Proceedings of the World Conference on Tropical Plywood in the Latin America/Caribbean Region
9. SRS-29 Proceedings of the Seminar. The Development and Management of the Lanjak-Entimau Biodiversity Conservation Area, Sarawak, Malaysia, 15-16 January 1996

Project Reports

10. PD 37/88 Rev.3 (I) Utilización Industrial de Nuevas Especies Forestales en el Perú
11. PD 106/90 Rev.1 (F) ITTO Project PD 106/90 Rev.1 (F) Development of the Lanjak-Entimau Wildlife Sanctuary as a Totally Protected Area. Phase I: The Management Plan
12. PD 150/91 Rev.1 (I) Manual de Identificación de Especies Forestales de la Subregión Andina
13. PD 20/92 Rev.1 (I) Tropical Timber in the African Region
14. PD 25/93 Rev.1 (F) Informe Final del Proyecto "Evaluación del Progreso del Ecuador Hacia el Cumplimiento de la Meta del Año 2000" (Anexos del Informe Final- 59 en total) *Includes Executive Summary in English*

15. PD 32/93 Rev.2 (F) Utilization of Remote Sensing in Site Assessment and Planning for Rehabilitation of Logged-over Forests

Pre-project Reports

16. PPR 37/96 (I) Value-Added Wood Processing of the Fast Growing Tropical Species
17. PPR 38/96 (I) Current Situation of Rubber Wood Processing and Utilization
18. PPR 39/96 (I) Analysis of Macroeconomic Trends in the Supply and Demand of Sustainably Produced Tropical Timber from the Asia-pacific Region - Phase III
19. PPR 40/96 (M) Evaluation and Enhancement of ITTO's Statistical Functions and Networks
20. PPR 41/96 (I) Pre-Feasibility Study on Harmonization of Tropical Plywood Standards
21. PPR 42/97 (F) Biotechnology and the Sustainable Production of Tropical Timber - Desk Study
22. PPR 43/97 (F) Diagnóstico de los Sistemas de Permisos y Concesiones Forestales y Propuesta de CRITERIOS E INDICADORES para la Ordenación Sostenible de los Bosques Naturales.

Technical Series

23. TS-14 Timber Certification in Transition: Study on the Development in the Formulation and Implementation of Certification Schemes for All Internationally Traded Timber and Timber Products

Other Publications

24. OP-21 Restoration of Mangrove Ecosystems. ISME
25. OP-22 Tree Flora of Sabah and Sarawak. Volume Two

ANNEX 4
Professional Members of the ITTO Secretariat
as at 31 December 1996

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

Ms. Catriona Prebble
Editor/Newsletter Coordinator
Forest Industry

ANNEX 5

Contributions to the Special Account

	1996	1995
PRE-PROJECT SUB-ACCOUNT:		
AUSTRALIA	\$0.00	\$38,446.66
CANADA	\$19,635.97	\$0.00
DENMARK	\$0.00	\$75,000.00
JAPAN (*)	\$12,590,000.00	\$12,115,332.00
NORWAY	\$30,000.00	\$35,942.17
U.S.A.	\$0.00	\$275,000.00
PRIVATE - PILOT CLUB	\$946.00	\$1,017.82
	<hr/>	
Total:	\$ 12,640,582.50	\$12,540,738.65
	<hr/>	
PROJECT SUB-ACCOUNT		
AUSTRALIA	\$71,500.00	\$72,454.35
AUSTRIA	\$0.00	\$150,000.00
FRANCE	\$0.00	\$39,369.30
JAPAN	\$7,065,140.50	\$908,013.67
KOREA	\$10,000.00	\$0.00
THE NETHERLANDS	\$530,260.00	\$442,865.93
NORWAY	\$20,000.00	\$110,015.00
SWITZERLAND (**)	\$3,113,832.65	\$1,834,924.83
UNITED KINGDOM	\$146,947.52	\$272,000.00
UNITED STATES OF AMERICA (**)	\$262,000.00	\$847,000.00
COMMON FUND FOR COMMODITIES	\$381,116.52	\$54,926.00
JLIA	\$0.00	\$50,927.00
PRIVATE - ITO YOKADO CORP.	\$129,242.00	\$61,422.00
PRIVATE - OTHERS	\$37,669.25	\$123.42
	<hr/>	
Total:	\$11,767,708.44	\$4,844,041.50
	<hr/>	

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

(**) Part of these funds were later allocated to Pre-project Sub-Account.