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AND MARKET INTELLIGENCE

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## REPORT OF PROJECTS, PRE-PROJECTS AND ACTIVITY IN PROGRESS

### ECONOMIC INFORMATION AND MARKET INTELLIGENCE

#### [A] Projects, Pre-Projects and Activity under Implementation

1. PD 16/93 Rev.4 (M) Phase IV Market Information Service for Tropical Timber and Timber Products (MIS) (ITTO)

#### Budget and Sources of Funding:

Total Budget:	US\$	4,193,258
Bali Partnership Fund Sub-Account B:	US\$	2,015,000
Government of Japan:	US\$	1,273,258
Unearmarked:	US\$	650,000
Government of Switzerland:	US\$	170,000
Government of USA:	US\$	50,000
Government of Sweden:	US\$	35,000

Implementing Agency: ITTO Secretariat

Council Session Approved: Twenty-first (Yokohama, 1996)

Starting Date: January 1997

Duration: Planned: 24 months with 2-year extensions  
To date: 176 months

The main output of this project, which has been implemented by the ITTO Secretariat since 1996, is the bi-weekly *Tropical Timber Market (TTM) Report*. Other outputs include providing information to readers on specific trade issues, promoting communication and networks between importers and exporters and providing market intelligence to complement the various other outputs of the ITTO secretariat.

Over the years, the contents of the TTMR have evolved in tandem with changes in the trade in tropical wood products. In the early years, the focus was on trends in the markets for primary products and as the trade in secondary products grew new elements were included in the TTMR.

In recent years, the pace of growth in the trade in secondary tropical wood products has been phenomenal and a plan to rebalance the contents of the TTMR to reflect current trade flows has been developed and will be implemented in 2012.

The TTMR has attracted over 12,000 subscribers who receive email notification when each report is available. The TTMR is reproduced on numerous timber trade websites and is frequently quoted in trade circles. The ITTO publication summarizing success stories in sustaining tropical forests being prepared to celebrate ITTO's 25th anniversary quotes some testimonials from subscribers to ITTO's TTMR.

2. PD 124/01 Rev.2 (M) Promotion of Sustainable Management of African Forests (ITTO/ATO)  
Phase III Stage 1

Budget and Sources of Funding:

Total Budget:	US\$	500,000
Government of Japan:	US\$	200,000
Government of Switzerland:	US\$	200,000
Government of China:	US\$	100,000

Implementing Agency: ITTO

Council Session Approved: Thirty-second (Bali, 2002)

Starting Date: July 2011

Duration:

Planned:	18 months
To date:	3 months

This project was designed to assist ten ITTO African member countries (all of which are also members of the African Timber Organization - ATO) to implement the harmonized ITTO/ATO Principles, Criteria and Indicators (PCI) for the Sustainable Management of African Tropical Forests. It involves extensive capacity building in ten member countries and within ATO itself. The project has been divided into three phases, with all three phases split again into two stages each to facilitate funding.

The phasing of the project split its activities as follows:

- Phase I Capacity building at regional and national levels in selected ITTO member countries and development of draft harmonized PCI (43 months, stages one and two completed)
- Phase II Capacity building at national level in the other ITTO member countries and among beneficiaries within selected countries, including establishment of C&I working groups in all countries (35 months, stages one and two completed)
- Phase III Capacity building among beneficiaries within ITTO member countries, including on the use of the PCI in certification and/or legality assurance initiatives (stage one underway, stage 2 pending finance)

The project coordinator during Phase II (Mr. Francois Hiol Hiol) gave notice of his intention to resign in late 2010 after submitting the final report/audit for Phase II and after funding for Stage 1 of Phase III was approved at the Forty-sixth ITTC Session. ITTO immediately began a search to recruit a new project coordinator in early 2011, with the current coordinator (Mr. Olivier Ahimin, Cote d'Ivoire) signing a contract commencing in March 2011. Mr. Ahimin was delayed in taking up his position at ATO headquarters in Libreville, Gabon due to unrest in Cote d'Ivoire and due to the cessation of ATO operations in 2010 arising from administrative problems including lack of payment of dues by its members. Mr. Ahimin worked from Cote d'Ivoire during March and part of April this year to finalize the workplan and budget for Phase III Stage 1, taking into account the generosity of donors who provided funding of US\$500,000 for Stage 1, exceeding the original plan prepared by Mr. Hiol Hiol by US\$100,000. This required the inclusion of some activities originally planned for Phase III Stage 2 under Stage 1 and the consequent reduction of the ITTO budget for Phase III Stage 2 by an equivalent amount. The revision of the budget and workplan also took account of the cessation of ATO operations which is expected to persist at least for the duration of implementation of Phase III Stage 1. In order to keep the total budget of this project consistent with that originally approved, the total ATO contribution to Phase III has been shifted to the Stage 2 budget. If ATO has not recommenced operations if/when Phase III, Stage 2 is funded, this issue may need to be revisited and alternative regional arrangements considered. For Phase III, Stage 1 this project is being implemented solely by ITTO, with a formal letter of agreement signed in July 2011 between ITTO, the project coordinator and ITTO's regional officer (based in the same office in Libreville) regulating project implementation and administration (including handling of project funds). The revised workplan and budget for Phase III Stage 1 incorporating the above aspects are available on request from the Secretariat (French only).

Since taking up his post in July, the project coordinator has commenced project activities in several countries. Workshops have been convened and/or consultancies awarded in Cameroon, Cote d'Ivoire, Ghana, Liberia, and Togo with a view to using the ATO-ITTO PC&I as a framework for forest certification and legality

initiatives planned or underway in those countries. The project coordinator participated in a regional meeting convened by COMIFAC in Cameroon in April 2011 on forest management in the Congo Basin where details of the project and its activities were presented. He has also met with regional officials of WWF in Gabon to ensure that organization's continued engagement with and support to project activities (WWF has contributed funds to project training workshops and utilized the PC&I in developing Cameroon's FSC forest certification framework during Phases I and II). The project coordinator will travel to the Racewood forest industry forum in Congo in early October and will commence activities with Congo and other central African partner countries in conjunction with that trip. A project monitoring mission is planned by the Secretariat in December 2011, in conjunction with a meeting of the project steering committee.

The complete project progress report submitted by the project coordinator, together with the workplan for the next semester, is available on request from the Secretariat (French only).

### **3. PD 182/03 Rev.2 (M) Enhancement of the Forest Statistics Information and Management System (STATFOR) through the Integration of a Computer Module for Processed Log Management (Gabon)**

#### **Budget and Source of Funding:**

Total Budget:	US\$	439,618
Bali Partnership Fund Sub-account A:	US\$	235,768
Government of USA:	US\$	50,000
Government of Gabon:	US\$	153,850

Implementing Agency: Direction des Inventaires, des Aménagements et de la Régénération des Forêts (DIARF)

Council Session Approved: Thirty-seventh (Yokohama, 2004)

Starting Date: January 2008

Duration:	Planned:	11 months
	To date:	45 months

This project was designed to further develop the STATFOR computerized forest management/monitoring system developed under three earlier ITTO projects [PD 36/92 (M), PD 15/98 Rev.2 (M) and PD 56/00 Rev.3 (M)] which has been utilized in a large World Bank project in Gabon. The project aims at creating a new module for STATFOR called TRANSFOR which will extend the bar-code monitoring system developed earlier for logs to processed products like sawnwood and veneer. This will assist the government in monitoring logs from felling to final product, thereby improving tax revenues and laying a foundation for eventual certification of exported timber products.

The agreement for the project was signed in July 2006. A work plan from the implementing agency had been submitted prior to this, in May 2006. After a lengthy delay, the government of Gabon submitted in August 2007 nominations for international and national consultants that were required for the initiation of project activities. Following consultations and approval by the Secretariat of the nominated consultants, the first installment of project funds was sent in January 2008 following which no reports on progress were submitted by the implementing agency in 2008. During a project monitoring mission in December 2008, the Secretariat was informed that the Government of Gabon wished to substantially revise the project proposal and nominate new international consultant(s). The Secretariat informed the Government of Gabon that a revised proposal (including revised budget, nominated consultants and justification for these changes) would need to be submitted for the consideration of the Committee at its Forty-third session. At the session, however, the delegation of Gabon announced that the project would be implemented as originally planned with the originally nominated international consultant, that the initial installment of funds sent in 2008 was still intact and that work had already begun. This was confirmed by the Secretariat during a monitoring mission at the end of 2009.

The international consultant worked with the DIARF team during 2010 to implement project activities including the development of TRANSFOR. All capital equipment was purchased (vehicle, bar code scanners, portable computers, etc.) and the implementation of the project was effectively completed by mid-2011. During the third project monitoring mission in late 2010, the Government of Gabon indicated that the private sector in Gabon had considerable interest in the tracking technology being developed by the project and requested that project activities be extended to the end of 2011 (with no additional ITTO funding) to allow for further extension of project results to the private sector. This extension was approved by the Secretariat.

In 2011, the Government of Gabon requested that ITTO carry out an evaluation of this and previous statistics development projects in the country with a view to ensuring that outputs were effectively implemented in the country's national forest management systems. This request followed a restructuring of government bodies in charge of forestry in the country. The Secretariat agreed to this request and has recruited a consultant to carry out a mid-term review of the on-going project using the pooled fund for evaluation of projects. This consultancy had just commenced at the time of preparation of this report, with the consultant scheduled to visit Gabon during October 2011. As no progress report was submitted by the Government of Gabon in time for inclusion in this report, its representative will be requested to brief the Committee at its Forty-fifth Session on project developments, including the on-going mid-term evaluation.

**4. PD 291/04 Rev.2 (M) Establishment of a Network to Facilitate Collection, Processing and Dissemination of Statistics Pertaining to Tropical Timber and Other Forestry Parameters in India**

**Budget and Sources of Funding:**

Total Budget:	US\$	241,478
Government of Japan:	US\$	124,000
Bali Partnership Fund Sub-account A:	US\$	52,378
Government of U.S.A.:	US\$	30,000
Government of Korea:	US\$	10,000
ICFRE:	US\$	25,100

Implementing Agency: Indian Council of Forestry Research and Education (ICFRE)

Council Session Approved: Thirty-eighth (Brazzaville, 2005)

Starting Date: June 2006

Duration:	Planned:	24 months
	To date:	63 months

The agreement for the project was signed in May 2006. Following submission of the work plan by the implementing agency, the Secretariat transferred the first installment of funds to the project account in June 2006. Subsequently, the project team was recruited and a National Forestry and Environmental Statistics Laboratory was established at ICFRE. All software and hardware envisaged in the project document were obtained by the end of 2006. A national meeting of stakeholders was convened in late 2006 and data collection formats were agreed to. Eight regional consultation meetings were conducted in 2007 and 2008 to secure cooperation from state officials and to establish statistical nodes in relevant states, including at the Ministry of Environment and Forests headquarters in Delhi. The international consultant visited ICFRE for a week in May 2008 to advise on further refinement of the statistical system to ensure its compatibility with international forestry reporting requirements, including those of ITTO.

The project activities were completed in 2009 following a 6-month extension of project duration without additional ITTO funding. A monitoring mission was carried out in January 2009 and all project outputs were reviewed. A national workshop to disseminate the results of the project and to establish an on-going network of statistical correspondents in all of India's states was convened in April 2009. The completion report and financial report were submitted to ITTO by ICFRE at the end of 2009, along with a request to use remaining project funds to carry out a survey to obtain better production statistics on pulp, paper and wood panel products. The Secretariat approved this request and was informed in late 2010 that the final report of this work and the final audited financial statement accounting for all project funds would be submitted to the Secretariat by March 2011. Although the final report on the additional work had not been received by the Secretariat at the time of preparation of this report, it is expected prior to the Forty-fifth Session of the Committee; if so this project will be reported complete under the relevant agenda item. The representative of India will be requested to inform the Committee of developments in completing this project at the Forty-fifth Session of the Committee.

5. PD 406/06 Rev.1 (M) Establishment of the National Forest and Timber Marketing Statistics System (Ecuador)

Budget and Sources of Funding:

Total Budget:	US\$	569,401
ITTO Contribution:	US\$	454,148
Government of Ecuador:	US\$	115,253

Implementing Agency: Dirección Nacional Forestal del Ministerio del Medio Ambiente

Council Session Approved: Fortieth (Mérida, 2006)

Starting Date: July 2009

Duration:	Planned:	24 months
	To date:	25 months

The project, which is a product of PPD8/98 Rev.1 (M), aims at establishing a forest information and statistical system for Ecuador. The system will generate data, facilitate monitoring capabilities, enable economic analyses, and decentralize the process of collection of information.

Before the commencement of project activities, the Ministry of Environment was engaged in the development of a platform for the management of authorizations for forestry operations, called "SAF" which is available at <http://servicios.ambiente.gob.ec/saf/default.php> and serves as the basis for the implementation of the project.

According to the latest progress reports received, the implementation of project activities towards the achievement of outputs and specific objectives is as follows:

Specific Objective 1: "To implement the capabilities of the National Forest Authority for monitoring and surveillance through the development of a forest statistical information system."

- The Strategic document for the management of the database of the 'vertical portal of forest information' has been completed.
- Application for the registry of 'economic activities' and 'issue of timber transportation certificates' have been developed.
- IT infrastructure in 15 regional technical offices has been established.
- The technical solution for communications (messaging and cooperation) has also been implemented.

Specific Objective 2: "To establish a mechanism to promote active involvement of the sector in the use and generation of statistical information"

- The implementing agency reported that 70% of activities under this specific objective have been initiated, and are expected to be completed by the end of 2011.

Specific Objective 3: "To encourage the flow of geo-referenced information relating to the use of forest statistics on native forests"

- The geographic information system has been integrated into the SAF platform.
- The application to validate geographical information of the forest harvesting sites has also been developed and tested.

Training activities have been carried-out in general, contributing to an 80% progress in the implementation of this component, with the expectation that all training will be completed by October 2011. The whole National Forest and Timber Marketing Information System is expected to be fully developed and

operational by December 2011 within the time of the extension of project duration granted by the Committee at its Forty-fourth Session.

In addition, the implementing agency has produced the following publications under the project, which are available at ITTO's website [http://www.itto.int/project\\_reports/](http://www.itto.int/project_reports/):

- Surveillance and validation of forest resources in Ecuador 2007-2009;
- Description of the timber production chain in Ecuador;
- Forest Governance in Ecuador 2011; and
- Forest Harvesting in Ecuador 2010: offenses and forfeitures.

As for dissemination activities, two radio spots and two posters have been generated.

To date, ITTO has disbursed a total amount of US\$234,116.00 in two instalments to the project, while counterpart contribution is reported at US\$124,615.00.

The implementation of the project is on track, and the implementation of project activities is expected to be completed by the end of 2011.

6. PD 443/07 Rev.1 (M) Strengthening of the Forest Statistics and Information Center – CIEF (Honduras)

Budget and Sources of Funding:

Total Budget:	US\$	398,951
Government of Japan:	US\$	230,023
Government of Honduras:	US\$	168,928

Implementing Agency: AFE-COHDEFOR – Administración Forestal del Estado (original)  
ICF - Instituto Nacional de Conservación y Desarrollo Forestal (new)

Council Session Approved: Forty-second (Port Moresby, 2007)

Starting Date: December 2008

Duration:	Planned:	24 months
	To Date:	34 months

The Agreement for this project was signed in June 2007. Following governmental restructuring in Honduras (and the replacement of COHDEFOR by ICF as the implementing agency), the ITTO Secretariat received a detailed project work plan from the implementing agency in September 2008 and other relevant information to allow disbursement of the first installment of ITTO funds in December 2008. Subsequent to this, the project team was recruited in liaison with the Secretariat and the international expert visited Honduras in May 2009 to advise on the development of the statistical system. A comparison of the situation in 2006 (when this project was drafted) and in 2009 was undertaken and proposals for adjustment of activities were sent to and approved by the Secretariat. An agreement was signed with a new government agency (PROBOSQUE) to provide inputs to the development of the statistical system amounting to US\$180,000, more than meeting the required contribution of the government of Honduras in the approved budget. A technical committee to guide the project involving all stakeholders was set up in early 2009 under the auspices of ICF and has met twice a year since then. An initial monitoring mission was undertaken by the Secretariat at the end of 2009.

Significant progress has been made in implementing the project as of the time of preparing this report. The statistical software package and all computer hardware detailed in the project document were purchased and relevant staff were trained in their use. All training courses and sector studies called for in the project document have been carried out. A second ITTO monitoring mission originally scheduled for November 2010 was delayed until March 2011 due to scheduling conflicts. During this monitoring mission the government of Honduras requested an extension of the project to the end of 2011 without additional ITTO funding to allow the statistical system to be fully incorporated into ICF's forest management framework. This request was subsequently approved. The annual financial audit for 2009 was submitted in late 2010, following which the final tranche of project funds was disbursed. The audit for 2010 is to be included in the final financial audit of the project which, together with the final report, is expected to be submitted to the Secretariat before the end of

2011. If all reports are received on time this project may be considered under the Committee's agenda item on completed projects at its Forty-fifth Session.

The complete progress report submitted by the implementing agency is available on request from the ITTO Secretariat (Spanish only).

7. PD 449/07 Rev.2 (M) Enhancing Forest Law Enforcement in Papua New Guinea

Budget and Sources of Funding:

Total Budget:	US\$	739,040
Government of Japan:	US\$	350,040
Government of Australia:	US\$	50,000
Japan Lumber Importers' Association:	US\$	50,000
Government of U.S.A.:	US\$	23,000
Government of PNG:	US\$	222,000
PNG Industry:	US\$	44,000

Implementing Agency: Papua New Guinea Forestry Authority

Council Session Approved: Forty-third (Yokohama, 2007)

Starting Date: August 2010

Duration:	Planned:	24 months
	To date:	13 months

The project is aimed at increasing the contribution of the forest sector to PNG's national economy through enhanced market access and higher foreign exchange remittances, as well as further improving the sector's forest management practices by enhancing forest law enforcement and governance.

The project was approved and funded at the Forty-third Session of ITTC in November 2007 and the project agreement was signed in May 2008. Following the signing of the project agreement, the implementing agency had been working on the finalization of the project inception report incorporating the first Yearly Plan of Operation (YPO1). After the revised inception report incorporating YPO 1 as well as other relevant documents were finally submitted and approved, the first installment of ITTO funds for the project were disbursed to the implementing agency in December 2009, marking the official commencement of project implementation.

The implementation of the project suffered a substantial delay due to problems related to the replacement of project staff and consultants. Eventually, actual implementation began in early August 2010.

Since the commencement of project implementation, progress has been made in respect of the following:

- The first progress report was submitted on 25 February 2011.
- The first PTC meeting was held in Port Moresby of PNG on 1 March 2011.
- The second installment of ITTO funds was disbursed on 11 May 2011.
- The second progress report was submitted on 7 September 2011

To date, progress towards the achievement of outputs is as follows:

- Meetings of the Project Coordinating Committee were held in the Forestry Authority and field trips were made to inspect project sites of the Cloudy Bay forest operations and work proceeded in the preparation of the tracking system software as well as liaison with stakeholders;
- The stakeholder consultation tools, techniques and milestones have been finalized with PNGFA counterparts for inclusion in the detailed Project Implementation Plan and the Roles & Responsibilities Matrix;
- The design of a database to capture timber products flow information has commenced;

- The software to be used for the system under development was prepared to a beta stage. Field visits were carried out to test the prototype software with the two partner companies, Cloud Bay Sustainable Forestry Ltd, and Stetten Bay Logging Company Ltd;
- The field trials of the software assisted greatly and several enhancements were identified. Subsequent to the field trials, the software was further developed to a pre-release version;
- User Acceptance Testing (UAT) was carried out on the pre-release version of the software. This was done by SGS, PNG FA, CBSF, and SBLC staff. The UAT was carried out on PDA units and also on web versions of the software;
- Feedback from the UAT was sent to Helveta Ltd to assist in the refinement of the pre-release software. A final version of the software was developed and manuals prepared for release during the training period in September 2011;
- The initial stakeholder consultations were also undertaken leading to the preparation of a Findings Report. This document provides a sound basis for the drafting of the PNG Timber Legality Standard, Industry Code-of-Conduct and Stakeholder Monitoring Module.

Although this project has experienced a substantial delay due to the replacement of project personnel, the current implementation process is on track and in accordance with the workplan.

8. PD 479/07 Rev.2 (M) Timbers of Tropical Africa Part 2: Group 7(2) within the PROTA Programme (Ghana)

Budget and Sources of Funding:

Total Budget:	US\$ 1,053,635
Government of Japan:	US\$ 596,419
PROTA:	US\$ 457,216

Implementing Agency: Plant Resources of Tropical Africa (PROTA)

Council Session Approved: Forty-fourth Session (Yokohama, 2008)

Starting Date: 1 January 2009

Duration:	Planned:	36 months
	To date:	32 months

The objective of the project is to improve access to interdisciplinary data on the timbers of Tropical Africa as a basis for sustainable forest management and to improve networking, leading to better cooperation and information exchange between forestry actors. This is to be achieved principally through a synthesis of knowledge and information on 570 timbers of Tropical Africa from currently less important timber-producing taxonomic families [Commodity Group 7(2)] and the facilitation of wide access to it for targeted beneficiaries. This project is a follow-up to project PD 264/04 Rev.3 (M,I) on 495 timbers of Tropical Africa from currently more important timber-producing taxonomics families [Commodity Group 7(1)] that had successfully been implemented from 2006 to 2008.

Since the previous report submitted to the Committees at the Forty-fourth Session in December 2010, further progress in the implementation of the project has been achieved. All activities under Output 1.1 – WORLDREFS – TIMBERS, Output 1.2 – AFRIREFS – TIMBERS and Output 1.3 – EXPERTISE TGA – TIMBERS have been fully implemented. For Output 3.2 – INCREASED CAPACITY IN WOOD ANATOMY, activity 3.2.1 – wood anatomy workshop has been completed while activity 3.2.2 – provision of FORIG with equipment has achieved 80% progress in implementation. Under Output 3.1 – INCREASED CAPACITY IN SCIENTIFIC WRITING AND EDITING, activity 3.1.1 – training of authors has achieved 80% progress in implementation while for activity 3.1.2 – training of editors, the progress in implementation has reached 90%.

Progress in the implementation of activities under the remaining outputs has been slower. For Output 1.4 – IMAGEFILE TIMBERS, Output 1.5 – TEXTFILE – TIMBERS and Output 1.6 – TRANSLATION – TIMBERS, all activities have achieved 60% progress in implementation while under Output 2.1 – WEBDATABASE – TIMBERS, activity 2.1.1 has achieved 50% progress in implementation. The remaining project activities under Output 2.2 – HANDBOOK – TIMBERS and 2.3 – CD – TIMBERS have



yet to be implemented pending the completion of activities under OUTPUTS 1.4, 1.5, 1.6. Factors for the slow progress include (i) increased number of species covered from 550 to 690, paucity of published information on some minor species, delays in submission of manuscripts by some authors and budget reduction suffered by PROTA. For these reasons, the Executive Director has approved an extension of the duration of the project to June 2012 without additional ITTO funding.

The implementing agency has received all the five installments of ITTO funds, amounting to US\$126,240 on 23 February 2009, US\$100,000 on 9 February 2010, US\$100,000 on 8 July 2010, US\$100,000 on 11 February 2011 and US\$75,000 on 11 June 2011. It has also submitted project progress reports on schedule. The three meetings of the Project Steering Committee (PSC) were convened on 14 October 2009 in Wageningen, the Netherlands, 23 September 2010 in Kumasi, Ghana, and on 5 September 2011 in Wageningen, the Netherlands. The reports of the first and second annual financial audits were submitted on schedule in March 2010 and March 2011 while the YPO 3 (2011) was approved by the PSC at its second meeting on 23 September 2010.

9. PD 480/07 Rev.2 (M) Demand and Supply of Tropical Wood Products in China Towards 2020

Budget and Sources of Funding:

Total Budget:	US\$	410,988
ITTO Contribution:	US\$	263,520
Implementing Agency Contribution:	US\$	147,468

Implementing Agency: The Institute of Forestry Policy and Information,  
Chinese Academy of Forestry (CAF)

Council Session Approved: Forty-fourth Session (Yokohama, 2008)

Starting Date: March 2010

Duration:	Planned:	24 months
	To date:	18 months

The project, which is a follow up to ITTO PD 25/96 Rev.2(M), is aimed at improving the supply of tropical wood products from sustainably managed forests to Chinese market and promoting sustainable development of global wood products trade. The project is to analyze the timber situation in China by 2020 with a focus on tropical timber to increase market transparency in China.

To achieve this objective, major project outputs and activities include collecting information and materials, developing research, analysis and investigation reports, publishing and disseminating China's Forest Products Market Information, and holding seminars and an international workshop.

The first installment of ITTO funds for the project was disbursed to the implementing agency in February 2010, after it had submitted its Inception Report with a detailed workplan and a notification of commencement. The project implementation commenced in March 2010.

Since the commencement of the project implementation, the following progress has been achieved:

- The first progress report was submitted on 16 September 2010;
- The second installment of ITTO funds was disbursed on 8 November 2010;
- The first PTC meeting was held on 12 November 2010;
- The second progress report was submitted on 25 February 2011;
- The third progress report was submitted on 29 August 2011

To date, progress towards the achievement of project outputs is as follows:

- A qualified international consultant had been recruited, 12 specially invited correspondents had been recruited and the regular exchange mechanism had been established. The international consultant visited China in October 2010 and the forecasting model for the supply and demand of tropical wood products, questionnaires for enterprises and consumers and the framework of main report were revised.

- Information and materials on tropical wood production, consumption and trade had been collected for analysis and compilation. A consulting meeting had been held to collect stakeholders' opinions and suggestions.
- The framework of the main project report was drafted and discussed with the international consultant. The survey questionnaires for enterprises and consumers were also developed and disseminated to target groups.
- The two analysis reports and an investigation report, including the analysis reports on the productive capacity of Chinese tropical wood processing enterprises and the end uses of the imported tropical log were finalized.
- The seminar on "Opportunities and Challenges Faced by Chinese Tropical Wood Processing Enterprises" was held in Beijing in December 2010.
- Six domestic investigations had been carried out in Guangdong, Sichuan, Liaoning, Hainan, Shandong and Xinjiang provinces respectively.
- The questionnaire for consumers' preference was disseminated to target groups and 560 feedbacks were received. The statistical analysis had been conducted. The questionnaires for enterprises had also been disseminated to targeted enterprises.
- Based on the framework of the main report as reviewed by international consultant, the project team has begun writing the main report. The forecasting model for supply and demand for tropical wood products has been developed and became operational with the forecasting results being reviewed by experts in this field.
- The feedback from consumers and wood enterprises has been analyzed using the software SPSS, and two investigation reports had been drafted.
- The draft of the analysis report "Conflict issues and policy trends on China's trading of tropical wood products" has been prepared.
- Seventeen issues on China Wood Products Market Information were compiled and published both in Chinese and English.

The implementation of this project is well on track and in accordance with the approved workplan.

10. PPD 14/00 (M) Strengthening the Market Discussion (ITTO)

Budget and Sources of Funding:

Total Budget:	US\$	122,000
Government of U.S.A.:	US\$	25,500
Government of Australia:	US\$	10,000
Trade Advisory Group (T-A-G):	US\$	6,500
Unearmarked:	US\$	80,000

Implementing Agency: ITTO

Council Session Approved: Twenty-ninth (Yokohama, 2000)

Starting Date: January 2001

Duration:	Planned:	24 months
	To date:	128 months

The ITTO Annual Market Discussion is a forum for international dialogue on the tropical timber trade. The event is also important for trade representatives to discuss and enhance understanding of the many, and often complex, trade policy issues facing member governments and the industry. This pre-project strengthens the event by allowing the engagement of selected speakers.

The participation of selected invited speakers at the ITTO Annual Market Discussion 2011 on the theme 'The Crisis, the impact and the recovery' is to be financed under this pre-project. Out of the sum of

US\$100,000 budgeted under activity 30 of the ITTO Biennial Work Programme 2010-2011, a sum of US\$50,000 in funding was received. The theme for the ITTO Annual Market Discussion 2012 will be decided at the Forty-fifth Session of the Committee.

11. PPD 139/07 Rev.1 (M) Strengthening of the National Forest Information System (Thailand)

Budget and Sources of Funding:

Total Budget:	US\$	116,005
ITTO Contribution:	US\$	84,505
Government of Thailand:	US\$	31,500

Implementing Agency: Royal Forest Department

Council Session Approved: Spring project cycle (June 2008)

Duration: Planned: 8 months

The pre-project agreement has been signed in March 2011 and the implementing agency is in the process of submitting the revised Inception Report to the ITTO Secretariat.

**[B] Projects Pending Agreement**

None.

**[C] Projects Pending Financing**

1. PD 124/01 Rev.2 (M) Promotion of Sustainable Management of African Forests (ITTO/ATO)  
Phase III Stage 2

Budget and Sources of Funding:

Total Budget:	US\$	1,118,144
ITTO Contribution:	US\$	944,144
ATO Contribution:	US\$	174,000

Implementing Agencies: ITTO and ATO

Council Session Approved: Thirty-second (Bali, 2002)

Duration: Planned: 18 months [Phase III]

Phase III Stage 2 of this project will be considered for financing following completion of Phase III Stage 1 (see section A, item 2).

2. PD 578/10 Rev.1 (M) Implementation of a National Information System for the Sustainable Management of Forest Resources (Côte d'Ivoire)

Budget and Sources of Funding:

Phase III

Total Budget: US\$ 780,726

ITTO Contribution: US\$ 676,450

Government of Côte d'Ivoire: US\$ 104,276

Implementing Agency: Direction de l'Informatique, des Statistiques et des Archives du Ministère de l'Environnement, des Eaux et Forêts (DISA)

Collaborating Agencies:

1. Direction de la Production et des Industries Forestières ;
2. Direction du Reboisement et du Cadastre Forestier ;
3. SODEFOR ;
4. La Direction Générale des Douanes ;
5. La Direction Générale des Impôts ;
6. Les Ports autonomes d'Abidjan et de San Pedro (PAA et PASP)

Council Session Approved: Forty-sixth Session

Duration: Planned: 24 months

Financing for this project has not yet been allocated but the Council has authorized the Executive Director to start implementation as soon as earmarked funds for the total ITTO contribution become available in the Special Account. The project will lose its status as an approved project at the end of June 2012.

3. PD 599/11 Rev.1 (M) Development and Testing of National Forest Stock Monitoring System (FSMS) with Improved Governance Capabilities at all Levels of the Forest Administration (Philippines)

Budget and Sources of Funding:

Phase III

Total Budget: US\$ 788,043

ITTO Contribution: US\$ 497,930

Government of the Philippines: US\$ 290,113

Implementing Agency: Philippines Forest Management Bureau (FMB)

Approved: Spring 2011

Duration: Planned: 18 months

Financing for this project has not yet been allocated but the Council has authorized the Executive Director to start implementation as soon as earmarked funds for the total ITTO contribution become available in the Special Account. The project will lose its status as an approved project at the end of December 2012

## FOREST INDUSTRY

### [A] Projects and Pre-projects under Implementation

#### 1. PD 73/89 (M,F,I) Assistance for Project Identification and Formulation (Global)

##### Budget and Sources of Funding:

Total Budget:	US\$	3,449,551.89
Government of Japan:	US\$	1,216,900.00
Government of Denmark:	US\$	300,000.00
Government of Switzerland:	US\$	210,000.00
Government of U.S.A.:	US\$	155,000.00
Government of U.K.:	US\$	80,000.00
Government of Australia:	US\$	77,354.89
Bali Partnership Fund Sub-account B:	US\$	970,000.00
Private Sector:	US\$	340,297.00

Implementing Agency: ITTO Secretariat

Council Session Approved: Seventh (Yokohama, 1989)

Starting Date: April 1990

Proposed Duration: 2 years + annual extensions

The objective of this project is to improve the project identification and formulation capabilities of personnel in ITTO producer member countries in order to expand national absorption capacity for investment and aid in the forestry sector. The importance of the project was recognized in Council decisions 2(X), 2(XI), 6(XIII), and 8(XVIII), which remind and encourage Members to use the expert facility available under the project to enhance their ability to identify and formulate good projects.

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 quality in the structure and implementation of the project cycle. The project has funded several independent consultancies to assist Members with project formulation and organized several training workshops.

During the reporting period, several activities were funded from this project, namely:

- REDD+ pre-feasibility study in Indonesia, in cooperation with Marubeni/METI Japan;
- REDD+ feasibility study in Brazil, in cooperation with Marubeni/MOE Japan;
- Study on wood-based industry sector in Nigeria;
- Facilitated the review of project proposal PD 456/07, the RIFFEAC project for Congo Basin countries; and
- Facilitated the formulation of project proposal for the ACTO biodiversity project in the Amazon basin.

#### 2. PD 39/93 Rev.4 (I) Ph.II The Development, Application and Evaluation of Biomass Energy through Briquetting, Gasification and Combustion of (Wood and Agricultural) Residue (Cameroon)

##### Budget and Sources of Funding:

Total Budget:	US\$	1,129,550
Common Fund for Commodities:	US\$	791,550
Government of Cameroon:	US\$	338,000

Implementing Agency: Wood Promotion Center [Centre de Promotion du Bois (CPB)], Ministry of Forestry and Wildlife, Government of Cameroon

Council Session Approved: Forty-fifth (Yokohama, 2009)

Starting Date (Revived Project) : September 2010

Duration:           Planned:           20 months  
                      To date:           12 months

The Committee noted that the project was funded by the Common Fund for Commodities (CFC) and commenced in 1997, with the aim of introducing and transferring biomass energy technologies to the commercial sector in Malaysia and Cameroon. As recommended by the Committee at the XLI session, a technical mission was dispatched to conduct an in-depth assessment of the implementation of the Cameroonian component of the project from 21 to 26 January 2008. On 27 June 2008, the Minister of Forests and Wildlife of Cameroon gave his concurrence to the report and recommendations of the Mission and on 31 October 2008, the Managing Director of CFC agreed with the proposal to resume the implementation of the Cameroonian component of the project with the following conditions: (i) Financial Audit Report for IRGM Energy Research Laboratory (Cameroonian component) to be made available to CFC; (2) Confirmation that equipments procured by CFC would be handed over to the new project executing agency; (3) IRGM to account fully all expenditures in line with CFC reporting requirements; (4) FRIM outstanding reporting to be submitted to ITTO/CFC (including completion report, technical reports, financial statement and final financial audit). All of these conditions have been fulfilled. The Project Agreements, both from CFC and ITTO for the implementation of the revived project "The development, Application and Evaluation of Biomass Energy Technologies through Briquetting, Gasification, and Combustion of (Wood and Agricultural) Residues-Phase II" have been signed by the signatories.

The implementation of the project has been commenced. ITTO has released its No Objection Letter for the project's experts and personnel on July 2011. At the current stage, the project has prepared the TOR and the arrangement for study tour to FRIM. The visit is dedicated to work on the design and the engineering drawings of the equipments and to visit the manufacturers of the equipment and the commercial plants using the corresponding equipments and to give technical advice to the Cameroonian project team in their process of developing the technologies. Two experts bio-energy technology from FRIM will be engaged to help the implementation of the project.

The Committee may wish to invite the delegation of Cameroon to provide an update on the progress of the project implementation.

### 3. PD 13/99 Rev.2 (M,F,I) ITTO Information Network [Phase I and Phase II] (Global)

#### Budget and Sources of Funding:

Total Budget:	US\$	6,996,571.97
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#### Phase I

Bali Partnership Fund:	US\$	505,556.00
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Government of U.S.A.:	US\$	1,085.97
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#### Phase II

Bali Partnership Fund:	US\$	3,893,913.00
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Government of Japan:	US\$	216,017.00
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Unearmarked Fund:	US\$	1,180,000.00
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Pending Finance for 2011:	US\$	150,000.00
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Pending Finance for 2012:	US\$	300,000.00
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Pending Finance for 2013:	US\$	750,000.00
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Implementing Agency: ITTO Secretariat

Council Session Approved: Twenty-Sixth (Chiang Mai, 1999)

Starting Date: December 1999

Proposed Duration: 2 years + annual extensions

This project continues the main part of the work carried out under ITTO Project PD 17/93 Rev.3 (M,F,I), which started in 1994 and produced and distributed 22 editions of the ITTO newsletter, the ITTO Tropical Forest Update (TFU). Project PD 13/99 Rev.2 (M,F,I) was approved by the Committee on Forest Industry and the Council at the Council's Twenty-fifth Session and was financed at its Twenty-seventh Session. It commenced in December 1999.

The objective of this project is to collect, compile and disseminate information and to publish the Tropical Forest Update (TFU) to highlight ITTO activities in reforestation and forest management, forest industry development and trade and market intelligence. To date under PD 13/99 Rev. 2 (M,F,I), 46 editions of the newsletter in English, French and Spanish have been produced. The layout, printing and distribution of the newsletter has been carried out since mid-2008 by Design One in Sydney, Australia.

Following efforts to encourage subscribers in developed countries to access the report on ITTO's website, the hardcopy mailing list for the newsletter is now at under 15,000 for the three languages. The TFU is almost certainly the world's most widely read international journal on tropical forestry.

At the 45th Session of the Council in November 2009, this project was extended for two years as part of the ITTO Biennial Work Programme for the Years 2010-2011 and funds amounting to US\$1 million were sought for its continued implementation. US\$500,000.00 was made available from Sub-account B of the Bali Partnership Fund for 2010 and \$650,000 from unearmarked funds in 2011 following approval of this increased amount in autumn 2010; the remaining budget to allow publication of scheduled issues of the TFU in 2011 (\$150,000 approved in autumn 2011 to take account of the rising yen rate and increased costs) is now being sought from donors. The activities carried out under the project are expected to be funded under the administrative budget once the ITTA 2006 comes into force, presumably sometime in 2012. Nonetheless, due to the uncertainty associated with this, additional funding has been requested under the 2012-2013 Biennial Work Program for 2012 (US\$300,000 for 2012, with the salary component and other support costs to be charged to program support) with the assumption that expenses to allow continued production of the TFU will be incorporated in ITTO's administrative budget from 2013 onwards.

4. PD 40/00 Rev.4 (I) Utilization of Small-Diameter Logs from Sustainable Sources for Bio-Composite Products (Indonesia)

Budget and Source of Funding:

Total Budget:	US\$	865,163
CFC:	US\$	600,000
Government of Indonesia:	US\$	265,163

Implementing Agency: Faculty of Forestry, Bogor Agricultural University  
in cooperation with  
Directorate of Forest Product Processing and Marketing  
DG of Forest Product Development  
Ministry of Forestry

Council Session Approved: Thirty-eight (Brazzaville, 2005)

Starting Date: November 2007

Duration:	Planned:	36 months
	To date:	45 months

The objectives of the project are to collect and make available comprehensive information on the structure and composition of small-diameter logs (SDL), which genetically and environmentally never reach 50 cm diameter, and their potential utilization for bio-composite products. To achieve the proposed objectives, the following project activities are included:

- the establishment of a research plot of 300 hectares;
- assessment of the physical, mechanical and chemical properties of selected SDL;
- identification of the potential utilization of SDL for value-added products; and
- organization of regional training to facilitate the transfer of technology on SDL management and utilization to interested parties in Indonesia, Malaysia, Philippines and PNG.

Progress towards achievement of outputs is as follows:

- Assess markets needs: the output has been achieved and relevant technical reports have been submitted to ITTO.
- Address technical gaps in producing bi-composites products: this output is on-going. Activities have been completed towards the identification of suitable timber species and the evaluation of their physical-mechanical properties for biocomposites (38 timber species for Indonesia, 9 timber species for Malaysia, and 3 timber species for the Philippines); and for the identification of measures to address milling issues.

While activities towards quality control of raw materials, and properties of SDL manufactured products are on-going for the case of the Malaysian and Philippine components; as well as for the activity on evaluating the properties of products manufactured from SDL (Indonesia focused on plywood, laminated veneer lumber, glulam, medium density fiber-board, and particle board; while Malaysia is focusing on biocomposites products; and Philippines is focusing on cement board).

- Determine equipment needs for production and manufacturing constrains: Activities for the achievement of this output are reported at about 90% progress.
- Address production constrains issues: Activities for the achievement of this output are reported at about 90% progress.
- Mitigate potential trade barriers: Activities for the achievement of this output are reported at about 90% progress, research has been carried out in several international standards such as JIS A 5908 and SNI 03-2105-2006, for particleboard, SNI 01-4449-2006 for MDF, ASTM D198, ASTM D2915, ASTM D3737, ISO-8375 for glulam, JAS SE-1 2003 for plywood, JAS SE-112003 for Structural Laminated Veneer Lumber, JIS 2003 for fiberboard, particleboard and formaldehyde; and product such as plywood, LVL, MDF, and particle board were tested and compare with those international standards.
- Comply with international standards: Based on the results of the above output, activities for the achievement of this output are reported at about 90% progress.
- The project also conducted a regional workshop in December 2011, where the results of the research as well as prototypes using SDL were displayed.

So far the EA has produced 10 technical reports based on the activities mentioned and above and has submitted them to ITTO.

The Executing Agency has experienced difficulty in getting the reports from the collaborative institution in PNG, and at the time of preparation of this report a mission by the staff of the EA to PNG was scheduled for beginning of September, in order to assist PNG in finalize its project activities.

The project has experience a small delay, and the EA requested an extension without additional funds to complete the research activities and related technical reports until 15 December 2001, such request was granted by ITTO on August 2011.

5. PD 77/01 Rev.2 (I,F) Contribution to the Development of Skills and Technical Training Structures at the Mbalmayo National School of Forestry (Central Province – Cameroon)

Budget and Sources of Funding:

Total Budget:	US\$	392,730
Government of Switzerland:	US\$	200,000
Government of Japan:	US\$	64,880
Government of U.S.A.:	US\$	10,000
Government of Cameroon:	US\$	117,850

Implementing Agency: Ecole des Eaux et Forêts (MINEF)



Council Session Approved: Thirtieth (Yaounde, 2001)

Starting Date: September 2002

Duration:           Planned:           18 months  
                           To date:           107 months

The project focuses on the development of skills and training structures at the Mbalmayo National Forestry School in order to meet the demands of the Government and private sector for highly qualified forestry technicians.

Outputs have been achieved as follows:

- The project upgraded the existing school facilities such as the library, the arboretum, the wood workshop, the students' cafeteria, and established new facilities such as a herbarium and a research unit on silviculture, wood technology and forest genetics;
- The project provided training abroad for the school teachers in wood technology, trade and marketing;
- Under the framework of the institutional assessment of the forestry sector carried out by the Government, the project also formulated and validated a master plan for the Mbalmayo National Forestry School, which was approved on June 2009; and
- The project also developed a proposal for a second phase, which was submitted for appraisal of the 36<sup>th</sup> ITTO Expert Panel for the Technical Appraisal of Projects Proposals in September 2008, named "Contribution to the development of skills and technical training structures at the Mbalmayo School of Forestry", which received category 2.

The Executing Agency has submitted completion report on August 2011, and at the time of preparation of this report the Secretariat was awaiting additional information in order to complete the final audit report.

6. PD 333/05 Rev.2 (I) Development and Delivery of a Vocational Training Programme in Reduced Impact Logging and Sustainable Forest Management Practices in Guyana

Budget and Sources of Funding:

Total Budget:	US\$ 1,154,613
Government of Japan:	US\$ 320,397
Government of USA:	US\$ 30,000
Government of France:	US\$ 11,500
Government of Guyana:	US\$ 441,431
Forestry Training Centre Inc.:	US\$ 80,155
Forest Enterprises:	US\$ 136,130
TFF/Caterpillar Inc.:	US\$ 135,000

Implementing Agency: Forestry Training Centre Incorporated (FTCI)

Council Session Approved: Thirty-eight (Brazzaville, 2005)

Starting Date: May 2007

Duration:           Planned:           24 months  
                           To date:           51 months

This project proposes to continue and expand vocational training in sustainable forest management and reduced-impact logging practices in Guyana.

The EA has submitted Completion report to ITTO in May 2010, and has reported the achievement of the following outputs:

- RIL training programme for medium and large scale operators organized and delivered: output achieved. Large concessions continued to opt for concession-based training, about 80% of all supervisors of large forest concessions have benefited from RIL training. Academic institutions, such as the University of Guyana and the Guyana School of Agriculture have now integrated FTCI's RIL Foundation Course into their academic calendar;
- RIL system for small-scale / community forestry operations designed: output achieved. The RIL system has components such as timber harvesting planning; forest mensuration, surveying and map reading; health and safety practices; chainsaw use, maintenance, and cross-cutting practices; introduction to wood utilization; skid trail planning; and skidding techniques;
- Capacity to provide RIL training programme for small-scale / community forest operations established: output achieved;
- RIL training programme for small-scale / community forestry operations organized and delivered: output achieved with 229 communities' members trained;
- Capacity to provide training programme on other aspects of sustainable forest management established: output achieved. FTCI developed modules on Introduction to Forest Management; Introduction to Forest Roads and Introduction to Wood Technology. FTCI has been able to arrange special courses in Forest Mensuration, Surveying and Mapping; Use of a GPS Handset; and Introductory Botany (dendrology);
- Training courses in other aspects of SFM organized and delivered: output achieved; and
- Long term sustainability of vocational SFM/ RIL training in Guyana secured: output achieved. A draft strategic plan has been prepared setting out the conditions under which FTCI can secure financial stability. More importantly, FTCI enjoys the support of the policy makers and is seen as an integral part of the thrust toward sustainable forestry practices.

The Executing Agency submitted audit report on July 2011 and at the time of preparation of this report, the EA was exercising the authorization given by the donors and the Committee at its 43<sup>rd</sup> Session for the use of the remaining funds for acquiring capital items.

7. PD 347/05 Rev.2 (I) Promoting Access to the Forest Sector Activities by Gabonese Nationals through the Development of the SME Forest Partnership (Gabon)

Budget and Source of Funding:

Total Budget:	US\$	384,200
Government of Japan (BPF-A):	US\$	278,200
Government of USA:	US\$	15,000
Government of Norway:	US\$	10,000
Government of France:	US\$	10,000
Government of Gabon:	US\$	71,000

Implementing Agency: Direction General des Eaux et Forêts (DGEF)

Council Session Approved: Thirty-eight (Brazzaville, 2005)

Starting Date: March 2006

Duration:	Planned:	12 months
	To date:	54 months

The project aims at enhancing the participation of Gabonese nationals to the sustainable management of forest concessions and to the further processing of timber, while at the same time identifies a mechanism to promote and finance forest logging and timber processing activities by Gabonese-owned small and medium-sized enterprises (SMEs).

Outputs achieved during the reporting period are as follows:

- Assessment of the current situation of Gabonese SMEs: output achieved, the respective technical report has been submitted to ITTO on October 2006;

- Selection of five SMEs to participate in the project activities and in the missions: output achieved in February 2007, five SMEs were selected based on a set of criteria, which included the main activities of the enterprise, motivation, financial situation, level of organization, among others. The selected SMEs include one harvesting company, two mill companies, and two furniture companies;
- Mission to Brazil and South Africa: output achieved, the mission to Brazil was conducted in 2007, while the mission to South Africa was conducted in February 2011, in both trips Gabonese authorities such as SMEs had the chance to get to know the financial mechanisms established to support SMEs, establish contacts for further cooperation with Brazilian and South African governmental institutions as well as with private sector, which in the case of the South African mission resulted in business ventures for the Gabonese SMEs; and
- As for outputs 4 & 5, a financial mechanism for SMEs identified and a project proposal for its implementation: Draft technical reports are already available and will be validated in a workshop to be scheduled at the end of September or beginning October 2011, according to the information provided by the Executing Agency at the time of preparation of this report.

The project has experienced a long delay, mostly in part to the late release of counterpart funds, and to a slow pace in responding to different communication from the part of the Executing Agency, which, at the last PSC meeting held in June 2011, requested an additional extension to complete the project activities by the end of October 2011.

8. PD 364/05 Rev.4 (I) Providing Village Communities with Basic Technological Training for Extracting Valuable Essential Oils from *Eucalyptus citriodora* Plantations in Rural Areas of Congo

Budget and Sources of Funding:

Total Budget:	US\$	622,261
CFC:	US\$	480,511
Government of the Republic of Congo:	US\$	141,750

Implementing Agency: Service National de Reboisement (SNR)  
(National Reforestation Service)

Council Session Approved: Fortieth (Mérida, 2006)

Starting Date: March 2010

Duration:	Planned:	24 months
	To date:	17 months

The project aims at providing village community members with the technologies and expertise to extract essential oils and to link them with market niches.

Progress towards achievement of outputs is as follows:

- Development Programme for *Eucalyptus citriodora* essential oil extraction prepared: The Executing Agency has issued the vacancy announcements for the engaging of international consultant;
- Trainers trained in essential oil extraction technologies: Output achieved, activities have been completed regarding the training of trainers in both Republic of Congo and Democratic Republic of Congo with a total of 10 trainers; and
- Production process organized: Progress has been done as sites have been selected for the extraction of the essential oil in both Republic of Congo and Democratic Republic of Congo, and cartography of the sites is available. The remaining activities under this output require the assistance of the international consultant which has not yet been selected.

As for outputs under specific objective 2, namely "Market for *Eucalyptus citriodora* essential oil organized"; and "Essential oil production and marketing techniques disseminated through extension work" are expected to begin as soon as the international consultant is engaged.

9. PD 384/05 Rev.3 (I) Testing Laboratory for the Development of Quality Standards for Mexican Primary and Processed Tropical Forest Products

Budget and Source of Funding:

Total Budget:	US\$	756,270
Government of Japan (BPF-A):	US\$	323,670
Government of USA:	US\$	80,000
Government of Finland:	US\$	60,000
Government of Mexico:	US\$	292,600

Implementing Agency: Institute of Ecology A.C.

Council Session Approved: Forty-first (Yokohama, 2006)

Starting Date: October 2007

Duration:	Planned:	24 months
	To date:	46 months

The project aims at establishing a tropical timber laboratory accredited by an international recognized body, at informing and training timber producers on the benefits of ensuring that their products meet quality standards for national and international markets.

Outputs achieved during the reporting period are as follows:

- Testing equipment and materials upgraded and updated to make them suitable for tropical timber products: output achieved 100% of the foreseeing testing equipment has been acquired, and existing laboratory machinery has been updated. Testing procedures have also been updated as consequence of the acquisition of the new equipment;
- Accreditation of the Laboratory by the proper national authority: output achieved, extension of the accreditation has been granted in March 2010 and has been renewed. Now the Laboratory can operate 13 different tests under ASTM standards (versus a base-line of 6 tests at the beginning of the project);
- Capacity to provide 20 services per year established: as of the last reporting period, the Laboratory has received a total 29 service requests, out of which 20 have been performed;
- Tropical timber producers' and industrialists' awareness of the benefits to back the quality of their products through testing: so far, training activities have been conducted in 5 states of Mexico out of 9. In addition a business plan of the laboratory has been completed in order to guide the identification of further research opportunities for tropical timber and timber products;
- Development of quality standards that can be applied to Mexican timber species: output achieved, a draft on an Official Norm for particle fiber board has been developed; and
- Development of technical sheets for selected timber species and their products, output achieved with a database of 27 timber species available.

At the time of preparation of this report the EA informed that the completion report was under preparation, while the final financial audit has already been submitted to ITTO in June 2011. According to the audit report the project was implemented under the budget with savings amounting to US\$9,414.87, which were returned to ITTO in May 2011.

10. PD 385/05 Rev.4 (I,F) Industrialization, Marketing and Sustainable Management of Ten Mexican Native Species

Budget and Source of Funding:

Total Budget:	US\$ 1,965,119
Government of Japan:	US\$ 314,678
Government of Mexico	US\$ 1,650,441

Implementing Agency: University of Guadalajara (Department of Wood, Cellulose, and Paper)

Council Session Approved: Forty-first (Yokohama, 2006)

Starting Date: December 2008

Duration:	Planned:	36 months
	To date:	32 months

The project aims to acquire technical information on 10 native tropical timber species to enhance their productivity and forest management, and to identify market niches for both primary and processed products from these species.

Progress towards the achievement of outputs, according to the Progress Report as of 30 June 2011 is as follows:

- Prospective programmes for the sustainable silvicultural management of 10 selected species: this output is about 90% in progress. So far, analysis of the literature, verification in the field in 20 sites, and elaboration of the cartography have been carried out. The remaining 10% progress is for editing of the silvicultural management guides.
- Diagnostic study on first and second-stage timber processing industries: output achieved.
- Technological characterization of the 10 selected species: this output is about 75% progress. The EA is now working with 11 species instead of 10. The mechanical characterization of the 11 species is now completed, while the physical characterization according to the standards ASTM D 2017-05 and EN-350-1 are being carried out with a progress of about 75%. Tests are expected to be completed by September 2011.
- Products use and diversification: this output is about 80% progress. Activities such as market survey and prototypes have been carried out.
- Producer's training: the EA has conducted several visits and interviews with different stakeholders (forest producers, forest industries, forest technicians, and local governments) and has identified training needs in the following fields:
  - Sawing,
  - Timber drying,
  - Business management,
  - Marketing, and
  - Design.

At the time of preparation of this report, the EA informed that planning for conducting the training is being carried out.

The EA has been working as well in the sustainability of the project after ITTO's support, which includes a Memorandum of Understanding with the local government for the transfer of know-how generated by the project and further research on the timber species and its potential uses.

The project is on track and it is expected to be completed in December 2011.

## 11. PD 433/06 Rev.3 (I) Sustainable Model for the Brazilian Wood Flooring Production Chain

## Budget and Sources of Funding:

Total Budget:	US\$	821,787
Government of Japan:	US\$	466,927
Government of Switzerland:	US\$	50,000
ANPM:	US\$	304,860

Implementing Agency: National Hardwood Flooring Association (ANPM)

Council Session Approved: Spring Project Cycle, June 2008

Starting Date: March 2011

Duration:	Planned:	30 months
	To date:	05 months

This project embraces the industrial production chain of wood flooring, with activities directed from forest management to manufacture process and, product utilization. Its Development Objective is to contribute to the sustainable and adequate utilization of forest resources from the Brazilian tropical forest.

The Specific Objective aims to increase the efficiency in forest resources utilization by the production chain of solid wood flooring, integrating extraction and utilization of commercial and less used timber species, improving drying and manufacture processes, adding value and quality to the product, promoting residues utilization, and providing social benefits to industry employees.

After 5 months of implementation, progress is reported as follows:

- Under output 1, Proposing a management model to integrate the exploration and use of lumber from commercial and less used species: revision of the literature and identification of potential timber species as well as interview with private companies has been carried out; and
- Under output 3, Quality certification programme: activities towards the compilation of international standards and specifications for solid wood flooring have begun.

It is expected that field activities will start from July 2011, once the flooring companies partnered in the project start harvesting.

## 12. PD 448/07 Rev.2 (I) Sustainable Utilization and Marketing of Selected Non-Timber Forest Products (NTFPs) to Support the Handicraft Industry and the Development of Rural Communities (Philippines)

## Budget and Source of Funding:

Total Budget:	US\$	450,082
Government of Japan:	US\$	294,672
Government of U.S.A.:	US\$	60,000
Government of the Philippines:	US\$	95,410

Implementing Agency: Forest Products Research and Development Institute (FPRDI) in collaboration with Federation of Philippine Crafts Fair Traders Inc. (FPCFTI)

Council Session Approved: Forty-third (Yokohama, 2007)

Starting Date: August 2009

Duration:	Planned:	24 months
	To date:	24 months

The project aims at determine the availability, extraction intensity, and natural regeneration of selected NTFPs; and at improving the technical skills of collectors and handicraft producers who are dependant of these resources. The project is focusing in selected NTFPs such as: palms, vines, and resins in the provinces of Camarines Norte and Quezon.

Progress towards the development of outputs as of June 2011 is as follows:

- Material/resource availability, extraction intensity and regenerative growth of the selected NTFPs determined and quantified: output achieved, the study and the inventory of the selected NTFPs in the project sites have been completed. Summary tables indicating the density and volume of the selected NTFPs was included in the last progress report.
- Local legal policy designed to regulate NTFPs harvesting formulated and implemented: two local ordinances have been submitted for deliberation and approval of the local councils, while a third one is currently under review of the Department of Environment and Natural Resources of the Philippines (DENR).
- Technically trained NTFPs gatherers and handicraft workers ready to promote sustainable collection of NTFPs and production of high quality handicrafts products: at the time of preparation of this report training has been provided on:
  - Harvesting, processing, basic weaving skills and advance weaving techniques for handicrafts of pandan (*Pandanus spp.*);
  - Production, collection and processing techniques of tiger grass (*Thysanolaena maxima*) for handicrafts;
  - Harvesting, processing, propagation, basic weaving skills, bleaching and dying of anahaw (*Livistona rotundifolia*) for fans and handicrafts; and
  - Harvesting, material preparation, processing and preservative treatment of selected NTFPs.
- Improved and profitable marketing of raw material and finished products: activities have been carried out by providing training in:
  - Product cost and pricing;
  - Labeling, tagging and both preparation, (some of the communities participated at local trade shows after the training);
  - Product preparation and product design;
  - Product trading process; and
  - Product Quality control and management.

Currently the EA is searching for a suitable Marketing Consultant in order to continue with the respective activities under this output.

The EA has taken steps in order to secure the sustainability of project activities after ITTO's support by engaging with Community Based Forest Management Associations (CBFMAs) with tenurial rights for 25 years, renewable for additional 25 years; by crafting local policies for the conservation of the NTFPs; and by making linkages with other relevant government agencies.

The project is experiencing a small delay due to unforeseen circumstances and requested a 5-moth extension, which was granted by ITTO in August 2011. The project is expected to be completed in December 2011.

13. PD 457/07 Rev.5 (I) Operational Supportive System for Promoting the Further Processing of Timber in Five Countries of the Congo Basin (Gabon)

Budget and Sources of Funding:

Total Budget:	US\$	1,887,714
Common Fund for Commodities:	US\$	1,253,345
Economic Community of Central African States (ECCAS):	US\$	634,369

Implementing Agency: Economic Community of Central African States (ECCAS)

Council Session Approved: Forty-fourth (Yokohama, 2008)

Starting Date: October 2011 (expected)

Duration:           Planned: 48 months  
                          To date: N/A

The project will socialize and implement a supportive mechanism for stakeholders in the timber processing industries with the aim of boosting the countries' SMEs potential of exports of processed timber products, through:

- Setting up a light and functional structure for supporting the FPT;
- Conduct a baseline study of the timber processing value chain and assess its potential for growth; and
- Establishing an action plan to address the needs of the SME/SMI and artisanal sector in order to up-grade them in the value chain through value addition, employment generation and income increase.

At the time of preparation of this report, the EA was working in order to meet the conditions to request the release of the authorized allocation from CFC. It is expected that project activities will commence in October 2011.

14. PD 506/08 Rev.1 (I) Reviving Forestry Education in Liberia

Budget and Source of Funding:

Total Budget:	US\$	352,249
Government of Japan:	US\$	212,522
Government of U.S.A.:	US\$	80,000
Government of Liberia (FDA and Ministry of Education):	US\$	59,727

Implementing Agency: The Forest Development Authority (FDA) and the Ministry of Education (MoE), supporting the Forestry Training Institute (FTI), Tubmanburg

Council Session Approved: Forty-fourth (Yokohama, 2008)

Starting Date: August 2009

Duration:           Planned: 24 months  
                          To date: 24 months

This project is aimed at supporting the reestablishment of forest education activities for middle level forestry technicians of the Forestry Training Institute (FTI) located in Tubmanburg. The project deals with the establishment of a functional curriculum, the training of trainers and immediate practical training of the currently registered students in the FTI. In addition, the project will support a national working group that conducts a strategic process on forest education in Liberia as a whole.



During the reporting period, activities under the project work plan have been carried out, including:

- Workshop held on April 21, 2011 with USAID support to establish and adopt a road map for new FTI curriculum development;
- The Core Leadership Team on FTI curriculum development established in May 2011 and work started on preparing first draft of new curriculum;
- 16 students in Forest Ranger Program underwent field training in Forest inventory from June 8-27, 2011;
- School reopened on May 4, 2011 and classes ongoing with enrollment of 120 students in the two program areas; and
- Basic repairs undertaken on school infrastructure: painted buildings and repaired window screen in dormitories, classroom and office block.

There are gaps that the project management is currently dealing with, namely: Lack of contemporary curriculum/syllabi to meet demands and needs of the industry as existing one is obsolete; continued demands from students for modern training methods and equipment have become compelling; and stakeholders including the Forestry Development Agency, partners in the sector and private sector are demanding targeted short term training for skills building e.g. specialized skill training in sawmilling; resource/needs assessment; chain of custody; equipment operation, repair and maintenance.

The project is experiencing a delay due to unforeseen circumstances. However, it stated that project activities are now back on track. The Committee may wish to invite the delegation of Liberia to provide an update on the progress of the project implementation.

15. PD 512/08 Rev.2 (I) Industrial Utilization and Marketing of Ten Potential Timber Species from Secondary and Residual Primary Forests (Peru)

Budget and Sources of Funding:

Total Budget:	US\$	691,992
Government of Japan:	US\$	328,517
Government of U.S.A.:	US\$	60,000
Government of Korea:	US\$	10,000
AIDER/UNU:	US\$	293,475

Implementing Agency: Association for Integrated Research and Development (AIDER) in cooperation with the National University of Ucayali (UNU) and the National Institute for Natural Resources (INRENA)

Council Session Approved: Spring Project Cycle, June 2009

Starting Date: August 2010

Duration:	Planned:	24 months
	To date:	12 months

The project aims at fostering the rehabilitation and enrichment of Secondary and Residual Primary Forests of the Peruvian Amazon, by carrying out technological studies to determine the sustainability of abundant timber species found in these types of forests. The results of the technological studies will be used to identify market niches for these timber species, according to their technological properties.

Progress towards the development of outputs as of June 2011 is as follows:

- New timber species technologically characterized: this output present a progress of about 50%, samples of the following timber species have been collected and test for their physical, mechanical and chemical properties are being conducted:
  - *Jacaranda copaia* (huamanzamana),
  - *Simarouba amara* (marupa),

- *Shcyzolobium amazonicum* (pashaco),
- *Apeiba membranacea* (maquizapa ñagcha),
- *Apuelia molaris* (ana caspi),
- *Brosimum utile* (panguana),
- *Matisia codata* (sapote), and
- *Croton matourensis* (aucatadijo).

Samples of other two other timber species *Septhoteca tesmanii* (utucuro) and *Terminalia oblonga* (yacushapana amarilla) are still to be collected.

- Activities towards output 1.2 “Proposal of suitable conditions for primary processing”; and output 2.2 “Business plans for timber products made from the selected species” are schedule to be conducted in 2012.
- Preparations have been carried out for activities under output 2.1 “Diversification of products and study of value added prototypes”, by collecting information and designing the questionnaire for the diagnosis of the industry of first and second stage processing.

The EA faced some small delays in the implementation of activities for year one, nonetheless it stated that project activities are now back on track.

16. PD 513/08 Rev.1 (I) Enhancing the Capacity of the Wood Processing Sector to Improve Efficiency and Add Value in Guyana

Budget and Sources of Funding:

Total Budget:	US\$	377,953
Government of Japan:	US\$	234,640
Government of U.S.A.:	US\$	44,000
Government of Guyana:	US\$	99,313

Implementing Agency: The Guyana Forestry Commission (GFC)

Council Session Approved: Forty-fourth (Yokohama, 2008)

Starting Date: April 2010

Duration:	Planned:	12 months
	To date:	17 months

This project is aimed at upgrading the capacity of wood processing industry through development of strategic guidance and human capacity building. In recognition of the importance of the best practice in the sector to address issues of appropriate machinery and equipment, a community model processing operation will be developed in collaboration with the stakeholders, to provide realistic demonstration for increasing value in the sector in particular at the community level.

After project completion, the wood processing sector will have received targeted skills training to enable it to increase recovery and value from processing. It will also be guided by a coherent policy and code of practice to ensure best practice both for production and for health and safety and the environment. The net result of the project will be increased revenue for the sector as well as more efficient use of the forest resource which will ultimately benefit the local and global environment. Increased employment will provide livelihoods for urban and rural dwellers which will be especially appreciated in areas where alternative means of earning a living are limited.

During the reporting period, activities under the project work plan have been carried out, including:

- Drafting document outlining relevant policies required to support the implementation of Code of Practice for wood processing;
- Drafting document detailing a Code of Practice “best practices” for wood processing;
- Drafting document detailing a Strategic Plan for Capacity Building within the wood processing sector; and

- The exchange visit to observe wood processing operations was completed from February 7<sup>th</sup>-11<sup>th</sup>, 2011. The visit was to Suriname where eight (8) companies involve in sawmilling and value-added operations were visited.

The comments from the review process were incorporated into the document. Initial discussions were held with regards to necessary training needed to ensure that the Code of practice is implemented efficiently and effectively to produce a competitive, profitable and sustainable wood processing sector and three (3) areas were identified for the development of training modules. Areas identified are:

- Programme for management/supervisory personnel;
- Competency based programme for operators of head rig, edger, resaw, trim-saw and crosscut-saw; and
- Competency based programme for saw-doctoring.

The project is expected to complete its activities by end of this year. The Committee may wish to invite the delegation of Guyana to provide an update on the progress of the project implementation.

17. PD 521/08 Rev.3 (I) Participatory Forest Management for Sustainable Utilization of Non Timber Forest Products (NTFP) Surrounding the Protected Area of Rinjani and Mutis Timau Mt, Nusa Tenggara Indonesia

Budget and Sources of Funding:

Total Budget:	US\$	617,574
Government of Switzerland:	US\$	400,000
Government of Japan:	US\$	45,187
Government of U.S.A.:	US\$	45,187
DG of Land Rehabilitation and Social Forestry:	US\$	31,200
WWF and Forestry Service of West Nusa Tenggara Province:	US\$	96,000

Implementing Agency: Directorate General of Land Rehabilitation and Social Forestry, Ministry of Forestry in collaboration with WWF Indonesia Nusa Tenggara Programme and Forestry Service of West Nusa Tenggara Province

Council Session Approved: Spring Project Cycle, June 2010

Starting Date: June 2011

Duration: Planned: 24 months  
To date: 3 months

This project is aimed at improving participation of local communities on sustainable utilization of NTFPs for conservation benefit of the Rinjani and Mutis Timau Mountains Protected Area (PA) of which is in compliance with ITTO Policy Development Series No 15 (Criteria and Indicator for the sustainable management of tropical forest). The result of the project will contribute to sustainable management of the protected area in Nusa Tenggara Indonesia. The project will achieve two outputs: Output (1) Capacities of local communities increased in obtaining the permit for utilizing NTFP's. This will be achieved by conducting series of trainings on sustainable utilization of NTFP's in 9 villages around the protected area (providing technical and managerial skills including entrepreneurship); Developing Model for small-scale forest economy dealing with 10 commodities of NTFP's for income generation of local communities; and conducting series of extensions for improving awareness of ESE (Economic, Social and Ecological) benefits of Protected Area. Output (2) Management plan for the more economically viable of NTFP's elaborated. The project will develop management plan using updated and reliable information through participatory process; Conducting 3 series of intensive consultation with local stakeholders in formulating NTFP utilization policy; and developing options of economic incentives for local communities to participate in conservation of PA and sustainable utilization of NTFP's.

The first project steering committee meeting and field visit in West Nusa Tenggara Province were held in July 2011. The committee provided recommendation to the project management, which include:

- Establish an NTFP commodity prioritization to enable effective intervention and significant results of the project. Baseline data of the project sites must be in place for appropriate measure and strategies to pursue the project's expected outputs and obtaining positive impacts;
- Business plans and benefit sharing schemes in the context of the NTFP management plan for the project's site are necessary to be developed in order to provide prospective pictures of each NTFP commodity development;
- There is need to establish the meaning of benefit sharing in the frame of collaborative forest management. For this, the project should conduct an action research to produce data that can provide indication on the principle of share of benefits between local government and communities;
- Social dimension of the development in the project sites should be well understood and taken into consideration in defining the scope of the interventions and in establishing communication with the stakeholders; and
- The capacity building programme of the project should encompass, among others, gender equality, NTFP technical development; processing and market linkage (ex. through contract farming management and institutional strengthening).

In accommodating the result of the first project steering committee, the first YPO has been revised.

18. PD 523/08 Rev.1 (I) Operational Strategies for the Promotion of Efficient Utilization of Rubber Wood from Sustainable Sources in Indonesia

Budget and Sources of Funding:

Total Budget:	US\$	907,794
Government of Japan:	US\$	535,094
Japan Lumber Importers Association (JLIA):	US\$	50,000
Government of Korea:	US\$	20,000
Government of Indonesia/ISWA:	US\$	302,700

Implementing Agency: Indonesian Sawmill and Woodworking Association (ISWA) in collaboration with The Directorate General of Forestry Products Management (BPK)

Council Session Approved: Spring Project Cycle, June 2009

Starting Date: June 2010

Duration:	Planned:	36 months
	To date:	15 months

This project is aimed at contributing to the alleviation of the timber deficit problem facing the national wood industry through promotion of the efficient utilization of rubber wood biomass. The project's development objective is to contribute to the lessening of wood raw material supply problem facing the national forest industry by utilizing the vast rubber wood available from sustainable sources. Its specific objective is to promote the utilization of rubber wood from sustainable sources. Planned outputs of the project are: i) interest in the utilization of rubber wood owned by big companies increased; ii) incentives for and capacity in the utilization of rubber wood from smallholding plantations improved; iii) government policy governing rubber wood resource utilization revised and enhanced; iv) investment in rubber wood utilization increased; and v) appropriate technologies are available for the utilization of rubber wood from smallholding plantations.

During the reporting period, activities under the project work plan have been carried out, including:

- A national workshop on promoting the utilization of rubberwood from replanting areas of companies and farmers has been conducted in Medan (North Sumatra) on 20-21 January 2011. The workshop was attended by some 64 participants representing government institutions at the central and provincial levels, rubber and forestry research institutes, universities, practitioners; and produced important workable recommendations for improving utilization of rubberwood harvested from replanting areas;
- To provide reliable information on potential benefits of utilizing rubber wood by big companies, a case study was conducted at PTPN II North Sumatra (a state-owned rubber plantation) and presented in the project workshop held in January 2011. To be financially feasible, the scale of operation of a sawmill should be not less than 36,000 M<sup>3</sup> intake of logs per annum which requires around 1,000 hectares of stand to be harvested; and
- Equipments and facilities for sawing, peeling, chipping and kiln-drying, the processing machine and equipment have been installed at one of ISWA member's mill solely for the purpose of piloting and training. Observation on the operations of the machines and equipments has been carried out with the assistance of Forestry Research and Development Agency (FORDA) scientists focusing on aspects of productivity and production cost.

The project has identified main constraints to utilize rubber logs from replanting areas:

- Scattering and small areas of harvesting;
- Poor accessibility;
- Long distance of hauling to available processing sites thus low price of logs;
- Lack of resource to replant and lack of access to bank credit due to collateral requirements;
- Poor quality of logs; and
- Replanting means halting of farmer's income flow for 5 years.

To discuss encountered problems and constraints, the Project Management planned to convene a regional workshop in Jambi Province and a national workshop in Jakarta this year. The Committee may wish to invite the delegation of Indonesia to provide an update on the progress of the project implementation.

#### **[B] Project and Pre-projects Pending Agreement**

None

#### **[C] Projects and Pre-projects Pending Finance**

1. PD 518/08 Rev.2 (I) Energetic Valorization of Wood Residues by Compaction Process (Brazil)

Budget and Sources of Funding:

Total Budget:	US\$ 1,014,641
ITTO contribution:	US\$ 491,941
Government of Brazil:	US\$ 522,700

Implementing Agency: Brazilian Forest Service – SFB, Ministry of Environment

Council Session Approved: Forty-fourth (Yokohama, 2008)

Duration: 36 months

2. PD 520/08 Rev.2 (I) Promoting Timber Preservation for Reducing Forest Resource Depletion in Indonesia

## Budget and Sources of Funding:

Total Budget:	US\$	577,553
ITTO contribution:	US\$	454,518
Government of Indonesia (FPRDC):	US\$	123,035

Implementing Agency: Forest Product Research and Development Centre – FPRDC

Council Session Approved: Autumn Project Cycle, October 2009

Duration: 36 months

3. PD 522/08 Rev.2 (I) Properties, Processing and Marketing of Teak Wood Products of Community Teak Plantations in Java and Eastern Indonesia

## Budget and Sources of Funding:

Total Budget:	US\$	618,150
ITTO contribution:	US\$	452,688
Government of Indonesia:	US\$	165,462

Implementing Agency: Faculty of Forestry Gadjah Mada University in collaboration with Forest Research and Development Agency, Ministry of Forestry, Government of Indonesia

Council Session Approved: Autumn Project Cycle, October 2009

Duration: 36 months

4. PD 540/09 Rev.1 (I) Support to Improve the Productivity of the Peruvian Timber Industry for the Production of Higher Value-added Products (Peru)

## Budget and Sources of Funding:

Total Budget:	US\$	971,213
ITTO contribution:	US\$	505,341
Government of Peru:	US\$	465,872

Implementing Agency: National Forestry Chamber (CNF) in cooperation with the General Forest and Wildlife Directorate (DGFFS – MINAG)

Council Session Approved: Autumn Project Cycle, October 2009

Duration: 30 months

5. PD 549/09 Rev.2 (I,F,M) Provenance Evaluation, Wood Technological Characterization and Market Survey for Balsawood (*Ochroma pyramidale* Cav.) in the Lacandon Forest, Chiapas, Mexico

Budget and Sources of Funding:

Total Budget:	US\$	885,230
ITTO contribution:	US\$	635,918
Government of Mexico	US\$	249,312
Other sources:		

Implementing Agency: ETNOBIOLOGÍA PARA LA CONSERVACIÓN A. C.

Council Session Approved: Spring Project Cycle, June 2010

Duration: 36 months

6. PD 600/11 Rev.1 (I) Model Capacity Building for Efficient and Sustainable Utilization of Bamboo Resources in Indonesia (Indonesia)

Budget and Sources of Funding:

Total Budget:	US\$	872,032
ITTO contribution:	US\$	537,095
Donors:		
Switzerland:	\$250,000	
Balance funds:	\$287,095	

Government of Indonesia: US\$ 334,937

Implementing Agency: Directorate General of Watershed Management and Social Forestry (DGWMSF), Ministry of Forestry in collaboration with Bangli District Forestry Agency (BDFA)

Council Session Approved: Spring Project Cycle, June 2011

Duration: 36 months

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