

PROCEEDING OF THE SEMINAR ON PRACTISING SUSTAINABLE FOREST MANAGEMENT: Lessons Learned and Future Challenges



20th-22nd August 2002
Shangri-La's Tanjung Aru Resort
Kota Kinabalu, Sabah, Malaysia

Organised by:

School of International Tropical Forestry
Universiti Malaysia Sabah



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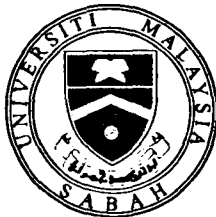
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PREFACE

Since the last decade, forest and forestry have gained a lot of attention in both the local and international arena. One area that has been extensively discussed is sustainable forest management. It necessitates an integrated approach and concerted effort from the government and private sector as well. In view of this, Malaysia has taken steps to ensure the effective implementation of sustainable forest management practices not also to maintain environment stability, provide sanctuary for wildlife and the conservation of biological diversity.

Recognising the significance of sustainable forest management, a seminar with the theme "Practising Sustainable Forest Management: Lesson Learned and Future Challenges was held in Kota Kinabalu from 20th-22nd August 2002. Fifteen papers were presented to reflect the government's perspective, as well as perspectives related to the environment, certification, education, and marketing.

This publication presents a compilation of the papers presented at the seminar. It is hoped that this proceeding could serve as reference material for all those interested in sustainable forest management. It also serves as a source of information for those who are keen to know more about the activities and development undertake in Malaysia towards achieving sustainable forest management.

I would like to extend my appreciation and gratitude to all the members of the editorial in making this proceeding a reality.

Roszehan Mohd. Idrus
Chairman
Organising Committee

ABBREVIATION USES

| | |
|-----------------------|---|
| AAC | Annual Allowable Cut |
| AR | Afforestation and Reforestation |
| ARD | Afforestation, Reforestation, and Deforestation |
| BAPA | Buenos Aires Plan of Action |
| BMZ | German Ministry of Economic Cooperation and Development |
| BTEW | Bukit Tarek Experimental Watershed |
| CARs | Corrective Action Requests |
| CBA | Cost-Benefit Analysis |
| CDM | Clean Development Mechanism |
| CEA | Cumulative Effects Assessment |
| CERS | Certified Emissions Reductions |
| CFCs | Chlorofluorocarbons |
| CFPC | Certified Forest products Council |
| CHG | Greenhouse gases |
| CHP | Comprehensive Harvesting Plan |
| CIFOR | Center for International Forestry Research |
| CO₂ | Carbon Dioxide |
| CH₄ | Methane |
| COP-1 | Conference of Parties |
| COP-3 | Third Conference of Parties |
| CSP | Certification Support Programme |
| DBH | Diameter at Breast High |
| DFR | Dermakot Forest Reserve |
| DIPSIM | Dipterocarp Forest Growth Simulation Model |
| EA | Environmental Assessment |
| EBRD | European Bank for Reconstruction and Development |
| EcoRA | Ecological Risk Assessment |
| EHIA | Environmental Health Impact Assessment |
| EIA | Environment Impact Assessment |

| | |
|--------------------|---|
| EMP | Environmental Management Plans |
| EMS | Environmental Management System |
| EPIS | Environmental Performance Indicators |
| EQA | Environmental Quality Act |
| ERA | Environmental Risk Assessment |
| ES | Expert Systems |
| FCCC | Framework Convention on Climate Change |
| FD | Forestry Department |
| FCS | Finish Forest Certification System |
| FMP | Forest Management Plan |
| FMU | Forest Management Unit |
| FRC | Forest Research Center |
| FRIM | Forest Research Institute of Malaysia |
| FSC | Forest Stewardship Council |
| FSC P&P | Forest Stewardship Principles and Criteria |
| FSPA | Implementation of Sustainable Forest Management Fomiss-Samlimh Pilot Area |
| GFTN | Global Forest and Trade Network |
| GIS | Geographical Information Systems |
| GPS | Global Positioning System |
| GTZ | Malaysia-German Technical Cooperation |
| HCVFs | High Conservation Value Forest |
| HHRA | Human Health Risk Assesment |
| HIA | Human-Induced Activities |
| IET | International Emissions Trading |
| INC | International Negotiating Committee |
| IPCC | Intergovernmental Panel on Climatic Change |
| ISO | International Standards Organisations |
| ITC | Integrated Timber Complex |
| ITTC | International Tropical Timber Council |
| ITTO | International Tropical Timber Organisation |

| | |
|-----------------|---|
| ITP | Industrial Tree Planting |
| JI | Joint Implementation |
| JWG | Malaysia-Netherlands Joint Working Group |
| LCA | Life Cycle Analysis |
| LEI | Lembaga Ekolabel Indonesia |
| LIL | Low Impact Logging (Helicopter Logging) |
| LULUCF | Land Use Change and Forestry |
| MC&I | Malaysian Criteria and Indicators for Sustainable Forest Management |
| MDF | Mixed Dipterocarp Forest |
| MDFRA | A Multi-disciplinary Forest Resource Assessment |
| MEA | Multilateral Environment Agreements |
| MGSFMP | Malaysiagerman Sustainable Forest Management Project |
| MFMA | Model Forest Management Area |
| MOSTE | Ministry of Science, Technology and Environment |
| MOUs | Memorandum of Understanding |
| MPI | Ministry of Primary Industries |
| MPOB | Malaysian Palm Oil Board |
| MSC | Multistakeholders Committee |
| MTCC | Malaysian Timber Certification Council |
| MTC | Malaysian Timber Council |
| MTIB | Malaysian Timber Industry Board |
| NCR | Native Customary Rights |
| NCSFM | National Comitee for Sustainable Forest Management |
| NFI | National Forest Inventories |
| NFC | National Land Council |
| NGO | Non-Governmental Organisation |
| NSC | National Steering Committee |
| NTCC | National Timber Certification Committee |
| NTTA | Netherlands Timber Trade Association |
| N2O | Nitrus oxide |
| OECD | Organizations of Economic Capabilities and Development |

| | |
|----------------|---|
| PEFC | Pan-European Forest Certification |
| PFTN | Producer Forest and Trade Networks |
| PHB | <i>Pengurusan Hutan Berkekalan</i> |
| P&C | Principles and Criteria |
| P&P | Pulp and Paper |
| RAP/COC | Requirements and Assesment Procedures for Chain-of-Custod Certification |
| RIL | Reduced Impact Logging |
| SAR | Second Assessment Report |
| SAREC | Swedish Agency of Reserch Cooperation With Developing Countrie |
| SD | Sustainable Development |
| SDNU | Sarawak Dayak National Union |
| SEA | Strategic Level EIA |
| SFD | Sabah Forestry Department |
| SFI | Sabah Forest Industries |
| FM | Sustainable Forest Management |
| SFMC | Standard for Forest Management Certification |
| SFMLA | Sustainable Forest Management Licence Agreement |
| SGS | <i>Societe Generate de Surveillance</i> |
| SIA | Social Impact Assessment |
| SMS | Selective Management System |
| SOP | Standard Operating Procedure |
| TOT | Trainers of Trainers |
| TWG | Technical Working Group |
| UNCED | United Nations Conference on Environment and Development |
| UMS | Universiti Malaysia Sabah |
| UNCED | Conference on Environment and Development |
| UNFCCC | United Nations Framework Convention on Climate Change |
| UPM | Universiti Putra Malaysia |
| USA | United State of America |
| VJRs | Virgin Jungle Reserves |

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|--------------|--|
| WARP | Wood Worker's Alliance for Rainforest Protection |
| WSSD | World Summit on Sustainable Development |
| WWF | World Wide Fund for Nature |
| YAKIN | Kelantan Darul Naim Foundation |
| YIK | Kelantan Islamic Foundation |