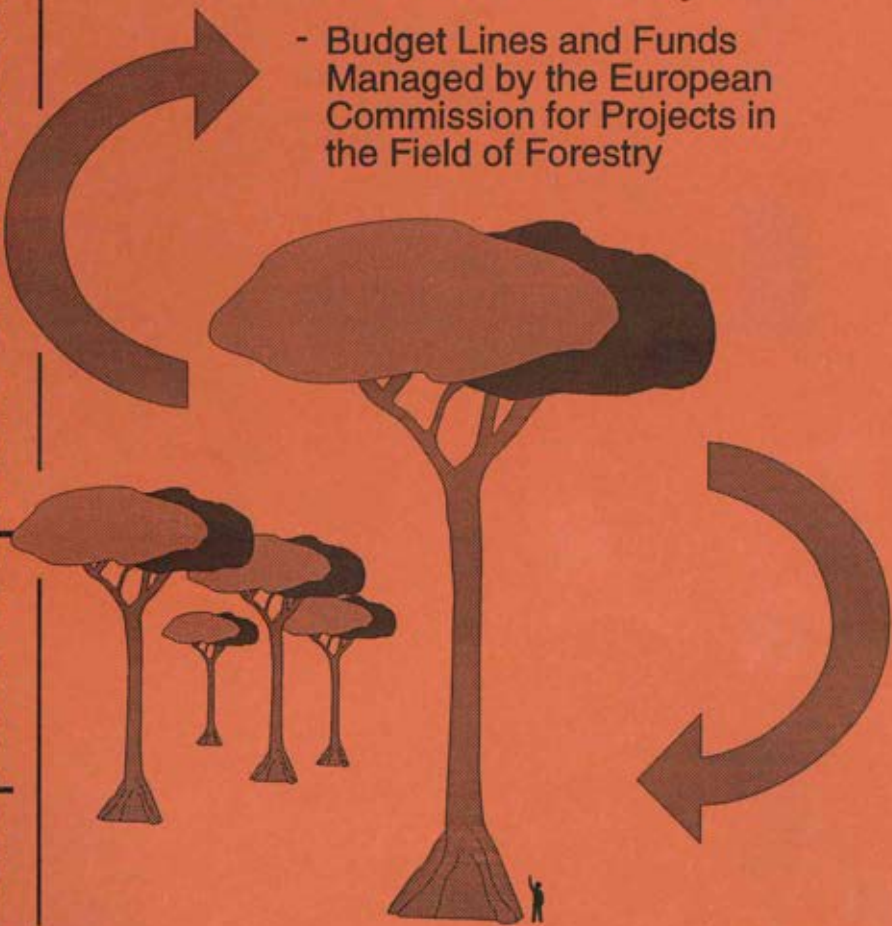




# Newsletter

Programmes - Agenda - News

- 4th General Assembly ETFRN
- Budget Lines and Funds Managed by the European Commission for Projects in the Field of Forestry



### **The European Tropical Forest Research Network (ETFRN)**

is an initiative of the European Commission, and was established in October 1991 in order to provide information and services to support research on tropical humid and dry forests. This includes all research areas related to the tropical forest environment.

The aim of ETFRN is to increase the cooperation and concertation of research institutions, governments and industry of European and tropical countries through well-targeted information management.

ETFRN organises and participates in workshops and seminars. It supports its participants in exploiting existing funding sources and in establishing research cooperations. It will use and support the development of a Global Tropical Forestry Research Information System.

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#### **Editors:**

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## Organisations-Institutions Programmes

### *Nitrogen Fixing Tree Association*

The Nitrogen Fixing Tree Association (NFTA) is an international association of 1,600 community groups, development workers, tree breeders, researchers and farmers.

What brings them together is an interest in the use of nitrogen fixing trees to improve the soil, protect the environment and enhance the well-being of farm families and other land users.

Through research outreach and communications, NFTA provides the skills and resources needed to introduce, improve and manage nitrogen fixing trees successfully.

#### **Research**

NFTA has built up an internationally renowned collection of high-quality seed of important nitrogen fixing trees. The Association makes small quantities available to its associates for research and pilot extension or development projects.

Over the past five years, 600 NFTA associates have established species screening trials. The Association provides seeds, symbiotic micro-organisms, and information on species and research design and methodology. Associates then share their findings through NFTA's regular publications.

#### **Outreach**

NFTA has co-sponsored courses to train more than 1,500 community leaders in the use of nitrogen fixing trees. The Association provides extension agents and development personnel with its field-tested training curriculum plus a comprehensive, yet clear and concise, manual 'Production, use and management of nitrogen fixing trees'.

NFTA has awarded more than 100 grants to help non-governmental organisations start pilot projects on the use of nitrogen fixing trees to meet community needs. Staff of the Association work with community groups to design projects and support local efforts through an advisory service and on-site consultations. NFTA-assisted projects include production and distribution of tree seedlings, translation of extension materials into local languages, farmer training courses, and demonstration plantings.

NFTA's associates have access to:

- High-quality germplasm (seed and symbionts) for research and demonstration projects
- A technical advisory service through correspondence and on-site consultation with NFTA staff who help with species selection, project and research design, project management, and training activities
- Short technical courses and international workshops on nitrogen fixing trees and related technical issues

Opportunities to share field experience and research results through regular NFTA publications.

### Communications

With its research reports, and its species fact sheets NFTA keeps its associates informed on current and new developments in the field of nitrogen fixing tree research. It brings together researchers and development specialists to discuss important nitrogen fixing trees and related management systems in its international workshops, and offers them an 'Agroforestry Information Service' in order to expand and strengthen land-use research and development networks.

### Regional programmes

Conservation and Development Programme for Southeast Asia. NFTA is helping to protect the natural resources of Indonesia, The Philippines and Thailand by promoting sustainable land-use systems that use appropriate agroforestry technologies with nitrogen fixing trees.

Programme for Latin America. Many nitrogen fixing tree species originated in Latin America. NFTA is expanding programme activities in this region through international workshops and the publication and distribution of technical information in Spanish.

For details on how to become an NFTA associate and information on NFTA publications, please contact:

Nitrogen Fixing Tree Association (NFTA)  
1010 Holomua Road  
Pala, Hawaii 96779  
USA

Tel.: +1-808-579-95 68

Fax: +1-808-579-85 16

### *The New Forests Project*

The New Forests Project (NFP) is a people-to-people, direct-action programme established in 1982 in an effort to curb deforestation in developing countries.

Since its inception, the New Forests Project has educated communities threatened by deforestation on the importance of forests and natural resource protection. Over the last ten years, NFP has helped farmers to begin tree-planting projects in more than 3,000 villages in over 100 developing countries. These village projects are designed to help establish a self-help way of obtaining the necessities of life (fuel-wood, livestock feed, building materials, etc.).

New Forests Project assistance is provided through the World Seed Programme. This segment of the Project distributes tree seeds, technical assistance, training aids and on-site technical training (through village trainers and other local extensionists).

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Through this programme, NFP promotes the planting of fast-growing, nitrogen-fixing tree species. With proper management, these trees can sustainably produce fuelwood, animal forage and organic fertilizer. In addition to being excellent choices for soil rehabilitation and erosion control, these leguminous trees have a proven ability to increase agricultural yields.

In recent years, NFP has been working with local, non-governmental organisations in developing countries to initiate reforestation projects and training programmes that promote environmental conservation.

In 1990, NFP established a Regional Agroforestry Training Centre in Nueva Concepción, Guatemala.

In 1993, the NFP began a reforestation project in El Salvador, in association with the Centre for Education and Rural Development (CEDRO). In Ethiopia, NFP is assisting the Tigray Development Association with reforestation projects and training programmes in agroforestry and solar box cooking. The NFP has plans for similar projects in the Philippines, Vietnam and Armenia.

The New Forests Project also has an occasional newsletter, 'New Forests News'. Furthermore, it provides packets of tree seeds, technical information, and training materials free of charge to groups worldwide interested in starting reforestation projects with fast-growing, nitrogen-fixing trees.

If you are interested in receiving the reforestation packet, please write to the address below and include an environmental description of your area, including elevation, average annual rainfall, length of rainy and dry seasons, high and low temperatures, soil characteristics, and the purpose of the tree planting (fuelwood, lumber, forage, soil conservation, soil enhancement, etc.).

For more information please contact:

Stuart Conway

Director

The New Forests Project

731 Eighth Street, SE

Washington, DC 20003

USA

Tel.: +1-202-547-38 00

Fax: +1-202-546-47 84

### *Rainforest Action Network*

The Rainforest Action Network (RAN) is a non-profit activist organisation working to save the world's rainforests and support the rights of indigenous peoples. Founded in 1985, the RAN works on an international scale in cooperation with other environmental and human rights organisations on major campaigns to protect the rainforests.

Within North America alone, there are now over 150 Rainforest Action Groups (RAGs) associated with RAN. RAGs carry on the essential grassroots work of educating lo-

cal communities and gathering the critical mass needed to exert effective pressure for change when and where it is needed. RAN's monthly 'Action Alert' and quarterly 'World Rainforest Report' keep the RAGs and RAN's individual members informed about the assaults on the rainforests and what individuals can do about them.

RAN works with environmental and human rights groups in 60 countries, sharing information and coordinating the US sector's role in worldwide campaigns to protect the rainforests and their inhabitants. Through financial contributions and networking services, RAN supports the efforts of indigenous and environmental groups in tropical countries to achieve ecologically sustainable solutions within their own regions.

There are a number of organisations working on the rainforest issue. RAN is distinguished by its emphasis on grassroots education and action, its networking capabilities, and its commitment to mobilizing citizen activists to respond quickly and directly to the forces that threaten the rainforests and all of us.

For more information please contact:

Camilla Fox  
Rainforest Action Network  
450 Sansome, Suite 700  
San Francisco, CA 94111  
USA  
Tel.: +1-415-398-44 04  
Fax: +1-415-398-27 32

### *Forestry Planning and Policy Assistance in Asia and the Pacific Area*

Traditional forest policies and strategies, essentially designed to police the forest estate, have proved to be inadequate as the resource diminished and local populations dependent on natural forest for a wide range of goods grew. It has been recognised that forestry strategies and plans need to be adapted to a wider range of aspects than in the past. Many countries have in recent years begun the process of reorientation of their policies and programmes.

However, the reorientation process has just started and the lack of proper capabilities in analysing/planning, implementation and assessment of impacts is a major constraint in addressing current forestry problems and realising more effectively development opportunities.

To address these constraints the FAO project 'Forestry Planning and Policy Assistance, Asia and the Pacific Region, funded through the assistance of the Government of Japan, became operative in November, 1991. The project duration is for five years.

The member countries are Bangladesh, Bhutan, Laos, Myanmar, Pakistan and Vietnam.

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This regional project aims at enhancing the planning capabilities of participating countries through training and technical assistance specified for common problems and cooperation among countries in exchange of information and experience accumulated.

### **Development objective**

The long-term objective of the project is the capability of member countries to analyse and plan their forestry development through forestry sector development plans and relevant policy/strategies which fit socio-economic and environmental settings of the countries in the region and contribute to sustainable forestry development and people's welfare.

### **Immediate objective 1**

Enhancing the capability of national forestry data centres to collect, store and analyse the information necessary for planning, monitoring and evaluating forestry development and the sector's programmes.

### **Immediate objective 2**

Strengthening the analytical capabilities of the member countries in forest sector planning and policy formulation.

### **Immediate objective 3**

Strengthening national capabilities in the formulation of forest sector plans and policies and their integration into national and other related sectoral plans and policies.

### **Immediate objective 4**

Strengthening the national capabilities in foreign project formulation and monitoring.

### **Immediate objective 5**

Strengthening the capacity of forestry planning units through the provision of technical assistance, establishment of regional cooperation and exchange of information and experiences among member countries.

For further information please contact:

Dr. S.K. Bhargava  
c/o FORSPA  
Maliwan Mansion  
Phra Atit Road  
Bangkok 10200  
Thailand  
Fax: +662-280-45 67

### *Osa Centre for Biological Studies*

The Osa Centre for Biological Studies (CEBIOS SA) in Costa Rica is a private conservationist organisation in process of formation. Its main objective is to create a space (services and facilities) for everyone interested in doing academic research, to organize courses on tropical biology, to appreciate Peninsula de Osa's richness, or simply to get information and knowledge about the region.

CEBIOS SA is located 350 km south of San José, in Drake Bay, Peninsula de Osa. Peninsula de Osa is one of the richest regions in biological varieties of the country.

CEBIOS SA is formed by two areas: the first one of 3 hectares (Drake Bay Mirador) and the other of 70 hectares (CEBIOS SA Tropical Biological Reserve). Drake Bay Mirador is the CEBIOS SA headquarters. The second is located at the boundaries of Corcovado's National park, and presents the same biological varieties as the park.

CEBIOS SA has been working for a year now. Its consolidation is planned to be effected in three stages:

### **Stage 1: 1993 - 1994**

1. Offering the usual tourist service (lodging, tours, meals and transportation). This includes, in addition, presentations and lectures about the biological varieties and aspects related to the region and exhibition of CEBIOS SA project.
2. Concluding the organisation of the main area i.e., signalisation, paths, opening and maps.
3. The building of the basic infrastructure for a better working of CEBIOS SA.
4. Starting contacts with other national organisations with similar objectives.
5. Starting contacts with international institutions such as research centres and academic departments.

### **Stage 2: 1995 - 1996**

1. Offering improved services and facilities for research and tourism in the region.
2. Improving infrastructure, including the consolidation of the library, the conference centre and equipment.
3. Beginning a plan for divulgating the national and international research performed at CEBIOS SA.

### **Stage 3: 1997 onwards**

By this time CEBIOS SA expects to have achieved an important degree of independence to allow it to work at its highest capacity.

For further information please write to:  
José Antonio Vargas  
Apdo. 349-4100  
Grecia  
Costa Rica

### *The Programme of European Research Conferences*

The European Science Foundation (ESF) started in 1990, jointly with the Commission of European Communities and in association with several European Learned Societies a Programme of European Research Conferences largely modelled on the Gordon Research Conferences in the USA. This Programme is now largely funded by the Human Capital and Mobility Programme of the European Union.

The main features of these conferences are:

Each Conference consists of a series of five-days long scientific meetings on one general topic, spread over several years (typically one meeting every other year). These are discussion meetings at which scientists discuss new developments in their particular scientific discipline. As a rule, speakers do not offer written contributions, and there are no "Proceedings".



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This Programme covers all domains of scientific research, from Natural Sciences to Humanities and Social Sciences.

The Chairman of each meeting has full responsibility for its scientific programme. A small organizing committee normally assists him. Each Chairman has a Vice-Chairman (usually from another country), who should be prepared to organize the next meeting of the Conference a year or two later. Normally, the Chairman is not involved in matters relating to practical arrangements of the Conference.

Although mostly Europeans, conference speakers and participants also come from other, non-European countries. Participation, by invitation upon application, is limited to about 80 - 100 or less in Social Sciences and Humanities. The Conference Chairman, with the help of the Organizing Committee, selects the participants from among the applicants. About 30 per cent of the participants should be young researchers. Some grants are available for participants upon written request, in particular for young scientists from less developed areas of the European Union.

The conferences are held all around Europe. The Office of the Programme at the ESF is responsible for all practical arrangements, payments and communication with applicants.

A Steering Committee (assisted by Advisory Panels) takes full responsibility for the selection of conference subjects and chairman.

For further information please contact:

Dr. Josip Hendekovic  
Executive Director  
European Science Foundation  
1, Quai Lezay-Marnésia  
67080 Strasbourg Cedex  
France  
Tel: +33-88 76 71 35  
Fax: +33-88 36 69 87



**UNRISD**

The United Nations Research Institute for Social Development (UNRISD) is an autonomous agency that engages in multi-disciplinary research on the social dimensions of contemporary problems affecting development.

Its work is guided by the conviction that, for effective development policies to be formulated, an understanding of the social and political context is crucial. The institute attempts to provide governments, development agencies, grassroots organisations and scholars with a better understanding of how development policies and processes of economic, social and environmental change affect different social groups.

Working through an extensive network of national research centres, UNRISD aims to promote original research and strengthen research capacity in developing countries.

Current research themes focus on the social dimensions of economic restructuring, environmental deterioration and conservation, ethnic conflict, the illicit narcotic drugs trade and drug control policies, political violence, the mass voluntary return of refugees, and the reconstruction of wartorn societies, as well as ways of integrating gender issues into development planning.

The institute's newsletter, *UNRISD Social Development News*, provides regular updates about research results, highlights discussions and recommendations of conferences, and includes summaries about new publications. It is available free of charge in English, French and Spanish.

For further information please contact:  
UNRISD Reference Centre  
Palais des Nations  
1211 Geneva 10  
Switzerland  
Fax: +41-22-740 07 91

## News

### *Budget Lines and Funds for Projects in the Field of Tropical Forestry*

In the following article you will find some information on budget lines and funds managed by the European Commission for projects in the field of tropical forestry in 1993.

#### 1. Budget Line B7/5041: "Tropical forest activities"

The Directorates General of the European Commission, DG I (Latinamerica and Asia), DG VIII (African, Caribbean and Pacific States - ACP), and DG XI (Environment) are in charge of this budget line worth MECU 50 for 1993 (MECU - Million ECU).

This budget line is intended to finance projects concerned with the conservation and the sustainable management of tropical forests in humid and dry zones of Africa, Latinamerica and Asia.

The financed projects are either small projects with contracts of  $\pm$  ECU 50,000 to  $\pm$  MECU 1, or large projects, usually financial conventions of more than MECU 1; funding includes equipment, personnel and operational costs.

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Proposals may be submitted by public institutions, NGOs, research or development organisations, etc.

### 2. Budget Line B7/5040: "Ecology in developing countries"

This budget line is worth MECU 26 for 1993, and is administered by DG I for Latinamerican and Asian countries, together with DG VIII for ACP countries.

The priority for this budget line is the support of small projects of  $\pm$  ECU 100,000 to  $\pm$  MECU 1, which deal with sustainable development, conservation of biological diversity, wildlife, urban environment, pollution and marine ecology, as well as education, training and the sensitization of the public for the environment.

Contractors may come from research or development organisations, NGOs, public or semi-public institutions from developing countries or Europe.

### 3. Budget Lines B7-3000 and B7-3010: "Technical and financial cooperation with developing countries in Asia and Latin-america"

These large budget lines MECU 316 for Asia, and MECU 183 for Latinamerica are intended to support the cooperation with the regions and countries concerned, and are under the authority of DG I. Since 1992, 10% of these budget lines are reserved for environmental programmes and projects, including forestry aspects.

The projects in question are usually rather large, and sometimes amount to several million ECU, including equipment, personnel, and operational costs. They are submitted to the Commission by the respective national authorities.

### 4. Budget Line B7-8110: "External Aspects of Environmental Policy"

Tropical forestry and biodiversity matters within this budget are under the authority of DG XI, and amounted to  $\pm$  MECU 1 for 1993.

It partially takes over the funding of micro-projects (of  $\pm$  ECU 10,000 to  $\pm$  ECU 100,000), concerned with the conservation and sustainable management of tropical forests and biodiversity; these projects may include research and field activities, as well as studies, information and sensitization of the public.

Applications for financial support may derive from public or semi-public institutions, private or non-governmental organisations; the share of the Commission usually does not exceed 30 to 50% of the total project costs.

### 5. STD Fundings: "Life Sciences and Technologies for Developing Countries"

The STD programme is executed by DG XII (Science, Research and Development) and aims at financing innovative research projects, in which researchers from Europe and Developing Countries cooperate.

Proposals have to be submitted subsequent to the calls published in the Official Journal of the Commission, and may include all regions of the Tropics.

STD fundings may range from  $\pm$  ECU 100,000 to  $\pm$  MECU 1, and are related to Special Research Projects, and do not directly aim at financing the operability of research projects concerned.

### 6. Budget lines for NGOs working in the field of development

These budget lines allow the funding of development activities in developing countries, in particular in the field of humanitarian and food help, and are supported by European NGOs; although certain projects in tropical regions have forestry components, like reforestation, agroforestry, nursery, etc., and may also be eligible. These budget lines are under authority of DG VIII and amount to MECU 90.

### 7. European Development Fund (EDF) - Lomé Convention

Some of the fields of cooperation of the Lomé Convention IV between ACP and European countries concern the protection of the environment, and particularly the wise management of forest resources.

A number of projects containing forestry aspects have already been financially supported by the EDF; the projects and programmes are usually proposed by national authorities, through a national coordinator appointed by the government of the re-

spective ACP country. Nevertheless, small projects, including training and educational projects, may be proposed directly to DG VIII by development organisations.

The projects may vary, either in their nature, from reforestation, adaptive research, agroforestry, nature reserves, industrialization to education, or regarding their amount - the largest amount was contributed to a programme "Conservation of forests in Central Africa" with MECU 24, which is executed by seven countries.

These programmes and projects are elaborated in cooperation between DG VIII (geographical desks in Brussels and delegations in ACP countries) and the authorities of the respective ACP countries, within the framework of their national programmes.

Please note that the descriptions of budget lines above are merely given as information, and do not contain any commitments by the European Commission as regards the eligibility of project proposals or the amounts to be allocated to certain organisations or projects.

For further information please contact either the respective DGs under their general address:

European Commission  
Rue de la Loi 200  
B-1049 Brussels

or:

Bernard Mallet  
DG XI

same address as above.

### *Preliminary Analysis of the 3rd Call of STD-3 Forestry Proposals*

STD is a programme of the European Commission for scientific, fundamental, strategic or adaptive research. Its aim is to encourage joint research involving scientists from developing and EU countries and devoted to topics of interest to developing countries. From the moment it was launched in 1983, the program concentrated on tropical and subtropical agriculture, as well as on medicine, health and nutrition in tropical and subtropical areas (see also ETFRN Newsletter No. 2 and No. 5).

The current program period, STD 3, runs from 1991 to 1994. The 3rd Call to submit project proposals within the framework of the STD-3 programme was published on 15 June 1993 in the Official Journal of the European Communities. The deadline for applications was 30 November 1993.

Among the approx. 330 eligible proposals, around 12.5% are forestry proposals, and are concerned with research on biodiversity, sustainable use and management of natural resources.

On the European side, most of the partners are coming from British organisations, followed by Germany, the Netherlands, Spain, Italy and other countries. Participants from developing countries include African, Asian and Latinamerican scientists in roughly equal parts.

The CAN-STD panel (CAN: Committee of an Advisory Nature) will discuss the Commission recommendations for the funding of project proposals at its session on 24 - 25 March 1994, in Brussels.

### *4th General Assembly of ETFRN*

The 4th meeting of the General Assembly (GA) of ETFRN took place in Florence/Italy on December 10th, 1993. The fact that the GA is held in different places each time has become tradition. Holding the GA in the different member institutions, provides the opportunity for each member to demonstrate his programme and facilitates the interchange of research findings. Consequently, the rotation of the GA around member institutions fits with the wider objectives of ETFRN and is to be encouraged.

Main items of the agenda concerned:

#### EASDSS - ETFRN/AGREP-Supplementary-Data-Service System

The GA agreed that the information needs of ETFRN shall be attained within the AGREP-System and in cooperation with the AGREP focal points. It was underlined that the objective of these activities should be that all the data-collection should be done by AGREP and that ETFRN will assist AGREP to get the information required. The basis for discussions on this item was the discussion paper worked out by the ETFRN working group on EASDSS.

In order to gain a better overview of current publicly funded forestry research projects in tropical regions, the GA agreed on an 8-step catalogue to increase the number of forestry research projects to be stored in AGREP in the course of 1994.

### Task Force 'Sustainable Management'

A study on the "Certification of all Timber and Timber Products" was commissioned by ITTO in November 1993, and is to be finished by May 1994. This study is expected to deliver useful hints and information for future activities of the Task Force 'Sustainable Management'. Therefore, future discussions on this Task Force will be based on this study as one of the main sources of information; consequently further activities will be postponed after the study will have been finalized.

### Task Force 'PIRFAG' (Amazon and French Guyana)

For the moment, this Task Force remains 'inactive'. Nevertheless, interested researchers will have the opportunity to receive information and support in this field of research from SILVOLAB in French Guyana (contact: Olivier Laroussinie, President of the Management Committee of Silvolab-Guyana, BP 316, 97379 Kourou, French Guyana, Fax: +594-32-43-02)

### Task Force 'ASAL' (Arid and Semi-Arid Land Forestry)

The preparations for this Task Force were delayed, due to the change of the responsible Node representative. Nevertheless, this Task Force remains to be of interest for ETFRN, and a discussion paper on this

theme will be worked out and distributed to all ETFRN Nodes.

### STD Programme

An overview was given on the state of the discussion on the fourth research framework programme of the Commission (1994 - 1998), to which STD is a sub-programme. The formulation of the new 'Research Cooperation Programme for Developing Countries' (RCDC) will be done in two steps. Under the first step general characteristics of RCDC will be formulated, which also include the main research areas as they are defined now: health, agriculture and natural resources (incl. forestry). The second step will describe the main research areas in detail.

Up to now it has become clear that RCDC will set regional priorities, whereas the research aims can differ from region to region, and it was stressed by the GA participants, that the National Nodes of ETFRN should contribute to the identification of possible priorities in the field of tropical forest research within the future RCDC programme.

### Election of Chairman and Vice-Chairman

The GA unanimously re-elected Erik Lammerets van Bueren (TROPENBOS/NL) as GA Chairman, François Grison (CIRAD-Forêt/F) as first Vice Chairman - both also members of the Board of ETFRN - and Ian Hunter (NRI/UK) as second Vice Chairman for two more years.

# European Tropical Forest Research Network

## International Agenda: Conferences

Date	Title	Contact
<b>Feb. 94</b>		
01. - 03.	Outlook '94, Canberra/Australia	Australian Bureau of Rural Resources, Outlook '94, GPO Box 1563, Canberra 2601, Australia
02. - 05.	Mechanisms of Woody Plant Defences against Herbivores, Kihei/Hawaii/USA	Dr. W.J. Mattson, Pesticide Research Center, Michigan State University, East Lansing, MI 48824, USA; Fax: +1-517-353 55 98
06. - 11.	Behaviour, Population Dynamics, and Control of Forest Insects, Maui/Hawaii/USA	Dr. Thomas L. Payne, c/o Ohio Agricultural Research and Development Center - OARDC, 116 Agricultural Administration Building, 2120 Fyffe Road, Columbus, OH 43210, USA; Tel: +1-614-292 38 97 Fax: +1-614-292 32 63
08. - 11.	Conservation Through Sustainable Use of Wildlife, Brisbane/Australia	Centre for Conservation Biology, University of Queensland, Qld 4072, Australia; Fax: +61-7-365 16 55
17. - 20.	7. Jahrestagung der Deutschen Gesellschaft für Tropenökologie, Bremen/Germany	Prof. Dr. U. Saint-Paul, Zentrum für Marine Tropenökologie (ZMT), Universitätsallee GW1/A, 28359 Bremen, Germany; Tel: +49-421-218 51 52, Fax: +49-421-218 51 70
<b>March 94</b>		
05. - 12.	FIG XX Congress - Surveying Global Changes, Melbourne/Australia	ICMS, P.O. Box 29, Parkville, Victoria, Australia 3052; Tel: +61-3-387-99 55, Fax: +61-3-387-31 20
07. - 09.	5th Round Table Conference on Dipterocarps: Recent Advances in Dipterocarp Research for Sustainable Forest Management, Chiang Mai/Thailand	Somyos Kijkar, Director, ASEAN-Canada Forest Tree Seed Center, Muak Lek, Saraburi 18180, Thailand; Tel: +66-36-34 13 05, Fax: +66-36-34 18 59
21. - 24.	Silviculture of Protection Forestry in Arid Regions and the Agroforestry Potential, Alexandria/Egypt	S.A.E. Kandeel, Dept. of Forestry & Wood Technology, El Shatby, Alexandria, Egypt
28. - 31.	4th International Conference on Plant Protection in the Tropics, Kuala Lumpur/Malaysia	The Honorary Secretary, 4th MAPPS ICPPT, c/o Dept. of Plant Protection, Faculty of Agriculture, 43400 UPM Serdang, Selangor, Malaysia; Fax: +603-948 37 45

## European Tropical Forest Research Network

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### April 94

04. - 07. 5th Global Warming International Conference and Exposition, San Francisco/USA  
GW5 Program Committee, c/o GWIC, P.O. Box 5275, Woodridge, IL 60517-0275, USA;  
Fax: +1-708-910 15 61
17. - 23. 3rd Asian Conference on Mycorrhizae: Biology and Technology of Mycorrhizae, Yogyakarta/Indonesia  
Director, SEAMEO BIOTROP, P.O. Box 17, Bogor, Indonesia;  
Fax: +62-251-32 68 51
24. - 27. Minimum Data Requirements for Sustainable Forest Management, Stellenbosch/South Africa  
Prof. B. Bredenkamp, Faculty of Forestry, University of Stellenbosch, Private Bag X5018, 7599 Stellenbosch, South Africa;  
Fax: +27-22 31-77 36 03

### May 94

02. - 07. International Symposium on Biodiversity and Taxonomy in Tropical Ecosystems, Bonn/Germany  
Dr. F. Krapp, c/o Zoologisches Forschungsinstitut, Museum A. Koenig, Adenauer Allee 150 - 164, 53113 Bonn, Germany;  
Tel: +49-2 28-91 22-2 94,  
Fax: +49-2 28-21 69 79
02. - 07. Assessment of Non-Timber Resources and 'Simplicity Versus Efficiency', Ascona/Switzerland  
Michael Köhl, Swiss Federal Institute for Forest, Snow and Landscape Research, Zürcherstr. 111, 8903 Birmensdorf, Switzerland
16. - 20. International Symposium on the Spatial Accuracy of Natural Resource Database: "Unlocking the Puzzle", Williamsburg/USA  
Dr. James L. Smith, Dept. of Forestry, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0324, USA
30. - 02.06. International Symposium on Agroforestry, Berlin/Germany  
Dr. H.-P. Ende, Institute of Forest Ecology, Center for Agricultural Landscape and Landuse Research (ZALF), 16225 Eberswalde, Germany; Tel: +49-33 34-543 14,  
Fax: +49-22 24-543 00

### June 94

06. - 09. SIT '94 - Inventories for Ecosystem Management, Oregon/USA  
G. Lynd, USDA Forest Service, FIERR, P.O. Box 96090, Washington, DC 20090-6090, USA;  
Fax: +1-202-205 10 87
07. - 10. 5th International Symposium on Society and Resource Management, Fort Collins/USA  
Michael J. Manfreda, Human Dimensions in Natural Resources Unit, Colorado State University, Fort Collins, Colorado 80523, USA;  
Tel: +1-303-491-65 91,  
Fax: +1-303-491-22 55



## European Tropical Forest Research Network

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20. - 24. International Conference on Ecology and Environment, Drake Bay/ Peninsula de Osa/Costa Rica  
Celso Vargas, Dept. of Computer Science, Costa Rica Institute of Technology, P.O. Box 159, Cartago, Costa Rica;  
Fax: +506-51 53 48, E-mail: VARGASE@UCRVM2.UCR.AC.CR
20. - 24. Mapping and Geographic Information Systems, Athens/Georgia/USA  
ISPRC Commission IV, 173 Ave. de Lautrec, 1100 Castres, France;  
Tel: +33-63-72 31 00,  
Fax: +33-63-72 30 32
20. - 25. International Sustainable Agriculture Conference, Minneapolis/Minnesota/ USA  
Conference Headquarters, 1607 Mount Curve South, Minneapolis, MN 55403, USA; Tel: +1-612-374-36 56, Fax: +1-612-374-37 57
29. - 05.07. 5th International Congress for Computer Technology in Agriculture, Cambridge/UK  
Katherine Fort, RASE, National Agricultural Centre, Stoneleigh Park, Warwickshire CV8 2LZ, UK;  
Tel: +44-203-69 69 69,  
Fax: +44-203-69 69 00
- July 94**
04. - 06. Origin and Evolution of the Flora of the Monsoon Tropics, Tinaroo/ Australia  
ASBS Symposium, c/o Mr. J. Clarkson, P.O. Box 1054, Mareeba Qld 4880, Australia
05. - 10. Interforst '94, 7th International Trade Fair for Forestry and Log Timber Technology, Munich/Germany  
Munich Trade Fair Corporation, Messelgelände, P.O. Box 12 10 09, 80034 Munich, Germany;  
Fax: +49-89-510 75 06
10. - 16. FAO/IAEA Symposium on the Use of Nuclear and Related Techniques in Soil/Plant Studies with Special Emphasis on Environmental Preservation and Sustainable Agriculture, Acapulco/Mexico  
Dr. Christian Hera, Head of Soil Fertility, Irrigation and Crop Production Section, Joint FAO/IAEA Division, P.O. Box 100, 1400 Vienna, Austria
10. - 16. 15th International Congress of Soil Sciences, Acapulco/Mexico  
15th WCSS Secretariat, Centro de Edafología, Colegio de Postgraduados, P.O. Box 45, 56230-Chapingo, Mexico; Tel: +52-595-457 01,  
Fax: +52-595-457 23
24. - 27. International IUFRO/NEFU/FAO Seminar on Forest Operations under Mountainous Conditions, Harbin/ China  
Prof. Li Guangda, Dept. of Forest Operations, Northeast Forestry University, 8 Hexing Road, 150040 Harbin, P.R. of China;  
Fax: +86-451-240146

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### Aug. 94

13. - 22.                    Symposium on Mountain Geocology and Sustainable Development, Germany, Austria and the Czech Republic  
Prof. Dr. J. Stadelbauer, Institute of Human Geography, University of Freiburg, Werderring 4, 79098 Freiburg, Germany;  
Tel: +49-761-203 35 77,  
Fax: +49-761-203 35 75
20. - 26.                    VI International Congress of Ecology, Manchester/UK  
The Secretary, VI International Congress of Ecology, Dept. of Environmental Biology, The University, Manchester M13 9PL, United Kingdom
28. - 03.09.                Measuring and Monitoring Biodiversity in Tropical and Temperate Forests, Chiang Mai/Thailand  
Secretariat, Forest Biodiversity Symposium, c/o Royal Forest Dept., Silvicultural Research Sub-Division, 61 Paholyothin Road, Chatuchak, Bangkok, Thailand 10900;  
Fax: +66-2-579 47 30

### Sep. 94

05. - 09.                    8th Symposium of the IAMAP Commission on Atmospheric Chemistry and Global Pollution and 2nd Scientific Conference of the International Global Atmospheric Chemistry Project, Tokyo/Japan  
T. Ogawa, CACGP/IGAC Symposium, Dept. of Earth and Planetary Physics, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo 113, Japan
05. - 13.                    International Conference on Population and Development, Cairo/Egypt  
Population 94, ICPD Secretariat, c/o UN Population Fund, 220 E 42nd St, New York, NY 10017, USA;  
Tel: +1-212-297 522 22,  
Fax: +1-212-297 49 15
06. - 08.                    Allelopathy in Sustainable Agriculture, Forestry and Environment, Rajasthan/India  
Dr. Shamsher S. Narwal, Dept. of Agronomy, CCS Haryana Agricultural University, Hisar-125 004, Haryana, India; Tel: +91-16 62-7 37 21 Ext. 42 68, Fax: +91-16 62-7 35 52
07. - 09.                    Air Pollution, Multiple Stress and Predisposition to Tree Decline, Fredericton/New Brunswick/Canada  
Dr. Kevin Percy, Forestry Canada, Maritimes Region, P.O. Box 4000, Fredericton, NB, Canada E3B 5PJ;  
Tel: +1-506-452-35 24  
Fax: +1-506-454-35 25
11. - 15.                    1st Airborne Remote Sensing Conference and Exhibition, Strasbourg/France  
ERIM/Airborne Conference, P.O. Box 134001, Ann Arbor, MI 48113-4001, USA; Tel: +1-313-994 12 00, Fax: +1-313-994 51 23, E-mail: wallman@vaxb.erim.org.
12. - 16.                    Resource Technology 94: Decision Support - 2001, Toronto/Canada  
M. Power, Co-Chair, RT/94, Toronto, Canada; Tel: +1-613-589 28 80, Fax: +1-613-589 22 75,

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12. - 16. Scenario Studies for the Rural Environment, Wageningen/The Netherlands  
DLO Winand Staring Centre, International Agricultural Centre, P.O. Box 88, 6700 AB Wageningen, The Netherlands; Tel.: +30-83 70-901 11, Fax: +30-83 70-185 51
18. - 21. Inventory and Management of the Boreal Forests: Meeting World Needs, Anchorage/Alaska/USA  
Mr. Vernon J. LaBau, USDA Forest Service, Forestry Sciences Lab., 201 E. 9th Ave., Suite 303, Anchorage, AK 99501, USA; Tel: +1-9 07-2 71 25 85
26. - 30. International Symposium on Resource and Environmental Monitoring, Rio de Janeiro/Brazil  
INPE, c/o CRI, Av. dos Astronautas 1758, 12227-010 Sao Jose dos Campos, SP-Brazil; Fax: +55-123-21 85 43
27. - 01.10. IUFRO International Symposium on Growth and Yield of Tropical Forests, Tokyo/Japan  
Dr. Yukichi Konohira, Deputy Coordinator Division 4, Tokyo University of Agriculture and Technology, 3-5-8 Saiwaicho Fuchu, Tokyo 183, Japan; Fax: +81-423-64-78 12
- Oct. 94**
02. - 08. 2nd International Symposium on Ecoinformatics Problems, Suzdal/Russia  
Prof. Ferdinand Mkrtchyan, Institute of Radioengineering and Electronics, Russian Academy of Sciences, 1 Vvedensky Sq., Fryazino City, Moscow Region, 141120 Russia; Fax: +7-095-203 84 14
17. - 21. Sustainable Forest Management, Furano Hokkaido/Japan  
Dr. Hidejiro Nagumo, University Forest, The University of Tokyo, 1-1-1 Jayri, Bankyo-ku, Tokyo 113, Japan
17. - 21. FAO/IAEA International Symposium on Nuclear and Related Techniques in Soil/Plant Studies on Sustainable Agriculture and Environmental Preservation, Vienna/Austria  
Dr. Christian Hera, Head of Soil Fertility, Irrigation and Crop Production Section, Joint: FAO/IAEA Division, P.O. Box 100, 1400 Vienna, Austria
24. - 28. Down to Earth: Practical Applications of Ecological Economics, San José/Costa Rica  
O. Segura, Universidad Nacional de Costa Rica, Maestria en Política Economica para Centroamerica y el Caribe, P.O. Box 555-3000, Heredia, Costa Rica; Tel: +506-60 16 00, Fax: +506-37 68 68

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## Nov. 94

10. - 13. Forest Canopies Ecology, Biodiversity and Conservation, Sarasota/USA  
Meg Lowman, Director of Research, Selby Botanical Gardens, 811 South Palm Ave, Sarasota, FL 34236, USA, Tel: +1-813-366 57 30, Fax: +1-813-366 98 07
21. - 25. Systems-Oriented Research in Agriculture and Rural Development, Montpellier/France  
Jacques Faye & Michel Dulcire, International Symposium, Systems-Oriented Research and Rural Development, BP 50 35, 34032 Montpellier, France; Tel.: +33-67 61 71 85, Fax: +33-67 61 71 86, E-mail: sympo94@montp2.cirad.fr

## Dec. 94

12. - 16. International Symposium on High Salinity Tolerant Plants, Karachi/Pakistan  
Dr. M. Ajmal Khan, Convenor, Int. Symp. on High Salinity-Tolerant Plants, Dept. of Botany, University of Karachi, Karachi-75270, Pakistan

## March 95

20. - 24. Stand Establishment and Inter-Rotation Management: 2nd International Conference on Forest Vegetation Management, Rotorua/New Zealand  
IFVM #2, NZ FRI, Private Bag 3020, Rotorua, New Zealand; Fax: +64-7-347 93 80

## June 95

12. - 14. Recent Advances in Tropical Tree Seed Technology and Planting Stock Production, Haad-Yai/Songkhla/Thailand  
Symposium Secretariat, AFTSC, Muak-Lek, Saraburi 18180, Thailand; Tel: +66-36-341-305, Fax: +66-36-341-859

## Aug. 95

03. - 06. Research on Environmentally Sound Forest Practices to Sustain Tropical High Forests, a meeting associated with the IUFRO World Congress, Kotka/Finland  
Rudolf Heinrich, Chief, Forest Harvesting & Transport Branch, FAO, Via delle Terme di Caracalla, 00100 Rome, Italy; Tel: +39-6-57 97 47 27, Fax: +39-6-57 97 51 37
06. - 12. 20th IUFRO World Congress, Tampere/Finland  
Prof. Risto Seppälä, Finnish Forest Research Institute, Unioninkatu 40 A, 00170 Helsinki, Finland; Tel: +3 58-0-85 70 51, Fax: +3 58-0-62 53 08

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Nov. 95

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| 05. - 11. | Fire Management and Natural Resource Development in Latin America and the Caribbean, Guadalajara/Mexico | A. Koonce, Project Leader, Prescribed Fire Research, USDA Forest Service, Pacific SW Station, Forest Fire Laboratory, 4955 Canyon Crest Drive, Riverside, CA 92507-6071, USA; Tel: +1-909-276 65 70, Fax: +1-909-276 64 26 |
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## International Agenda: Workshops

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May 94

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| 21. - 24. | 6th Workshop of the IUFRO Working Party Molecular Genetics of Forest Trees, Scarborough/Maine/USA | Prof. Michael S. Greenwood, Dept. of Forest Biology, The University of Maine, Orono, USA; Tel: +1-207-581-28 38, Fax: +1-207-581-28 58 |
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July 94

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| 04. - 09. | Interactive Seminar and Workshop on Soil, Tree, Machine Interactions in Forest Operations, Feldafing/Germany | Dr. Dietmar Matthies, Lehrstuhl für forstliche Arbeitswissenschaft und Angewandte Informatik, Hohenbachernstr. 22, 85354 Freising, Germany |
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## International Agenda: Training Courses

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March 94

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| 14. - 25. | Forest Genetics and Tree Improvement, Raleigh/USA | Ann Coughlin, North Carolina State University, College of Forest Resources, Box 8001, Raleigh, North Carolina, 27695-8001, USA; Tel: +1-919/515-31 84, Fax: +1-919/515-72 31 |
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April 94

- |              |   |   |
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| 11. - 03.06. | Annual Short Course on Economics of Resource and Environmental Management, Armidale/Australia | Prof. B. Hardaker, Dept. of Agricultural Economics and Business Management, University of New England, Armidale 2351, Australia; Fax: +61-67-71 15 31 |
| 18. - 27.05. | Rural Project Planning Course, Australia  | Course Co-ordinator, ANUTECH Pty Ltd, GPO Box 4, Canberra, ACT 2601, Australia; Tel: +6 16-24 95 6 71, Fax: +6 16-2 49 58 75                          |

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### May 94

02. - 27. First International Course in Tropical and Subtropical Nematology, Brisbane/Australia International Consultancies, Dept. of Primary Industries, Queensland, GPO Box 46, Brisbane Qld 4001, Australia; Tel: +61-7-2 39 33 02, Fax: +61-7-2 21 38 96
02. - 10.06. International Short Course in Land Use Management for Tropical Agriculture, Brisbane/Australia International Consultancies, Dept. of Primary Industries, Queensland, GPO Box 46, Brisbane Qld 4001, Australia; Tel: +61-7-2 39 33 02, Fax: +61-7-2 21 38 96

### June 94

07. - 08.10. Certificate Course in Community Forestry, Bangkok/Thailand Dr. Somsak Sukwong, Director, Regional Community Forestry Training Center, c/o Faculty of Forestry, Kasetsart University, Bangkok 10900, Thailand
06. - 15.07. The Planning of Projects for Biodiversity Conservation, Bradford/UK The Course Director, The Planning of Projects for Biodiversity Conservation, University of Bradford, Bradford, England BD7 1DP, UK; Fax: +44-274-38 52 80
13. - 24. GIS and Environmental Modelling Course, Canberra/Australia George Collet, Forestry & Environment Division, ANUTECH Pty Ltd., Australian National University, Canberra ACT 0200, Australia; Fax: +61-6-249 58 75
20. - 15.07. Resource and Environmental Management Course, Canberra/Australia George Collet, Forestry & Environment Division, ANUTECH Pty Ltd., Australian National University, Canberra ACT 0200, Australia; Fax: +61-6-249 58 75
26. - 09.07. 9th International Training Course on Environmental Assessment and Management, Aberdeen/UK Conference Administrators, Ms. Barbara Rae or Ms. Jane Butler, Centre for Environmental Management and Planning, AURIS Environmental Division, 23 St. Machar Drive, Old Aberdeen, AB2 1RY, Scotland UK; Fax: +44-224-48 76 58

### July 94

06. - 22.09. Research Methods in Forestry, Reading and Oxford/UK Mrs Helen Stutley, Statistical Services Centre, University of Reading, P.O. Box 238, Whiteknights Road, Reading, Berkshire RG6 2AL, UK; Tel: +44-734-31 80 25, Fax: +44-734-75 31 69

### Courses and Conferences

#### *Postgraduate Course in Forestry Extension*

The University of Reading, UK, will launch a new course in forestry extension, beginning in October 1994, which is designed for foresters who have a degree or higher diploma in forestry or another subject relevant to the work of a forestry organisation and whose work involves (or is likely to involve in the future) working with rural people. Applicants should normally also have had at least two years' experience as forest officers or in extension work related to forestry.

#### Aims and Objectives:

The overall aim of the course is to develop a professionalism in extension work among foresters and those whose work involves agroforestry or rural development forestry. The more detailed the objectives are, the more likely it is that participants will:

- develop an understanding of
  - the theories and concepts of extension and rural development
  - the processes of social, economic and technical change in rural communities and regions
  - human communication processes, particularly at group and interpersonal levels
  - educational processes in extension work
  - issues of land tenure and their implications for rural development forestry

- trends and current issues in forest policies
- develop skills in
  - analysing the social and economic contexts within which rural development forestry programmes take place
  - setting objectives and planning for rural development forestry programmes
  - selecting and using appropriate extension methods
  - the management, monitoring and evaluation of rural development forestry programmes
  - providing training for extension personnel and for rural communities.

#### Course Structure and Content:

The course is offered as a series of five main components, each of which provides the basis for those that follow.

1. Foundation Studies in aspects of the social sciences, including sociology, anthropology, psychology and political science, which are relevant to the understanding and practice of extension.
2. Core Studies in Forestry Extension, comprising:
  - comparative agricultural and forestry extension
  - sociology and extension
  - strategies and organisation of rural social development
  - trends and issues in forest policy.
3. Specialist Options in the more operational aspects of extension work, where each participant selects four from a list of 15 or more available to MSc and MA students in the Department:

- communication and media in rural extension
  - participatory approaches in rural extension
  - non-governmental organisations in rural development
  - management of forestry extension programmes
  - forestry technology development
  - designing and running staff development programmes
  - management information systems
  - extension methods in diffusion and technology transfer
  - social research methods
  - planning, appraisal and evaluation in rural extension.
4. Study Visits to extension activities and programmes, in UK and/or overseas.
  5. Individual research leading to the preparation of a dissertation at the end of the course.

### Teaching Methods:

Teaching and learning methods will include lectures, seminars, project work, case studies and practical activities. The Agricultural Extension and Rural Development Department (AERDD) of the University of Reading has an extensive collection of literature on all aspects of extension and participants will have access to the University's well stocked library and computer facilities. AERDD is a founder member of the Tropical Forest Resource Group (TFRG) through which it draws on the expertise of 12 of the most important forestry research, education and training institutions in England and Wales.

The examination consists of assessment of course-work, written examination papers and the dissertation. There will also normally be an oral examination.

For further information please contact:

AERDD

University of Reading

3 Earley Gate

Whiteknights Road

Reading, RG6 2AL

United Kingdom

Tel: +44 734 31 81 18

Fax: +44 734 26 12 44

### ***Making Forest Policy Work - A new series of training courses***

As the world's forest continue to degrade in extent and quality there is an increasingly urgent need to provide those involved in making decisions affecting the forest sector with the knowledge base to chose the right forest policy instruments.

For this to happen non-foresters as well as foresters need to obtain an intimate grasp of the issues they are being faced with, the market and intervention instruments available; and the implications of implementing such instruments.

Forestry for the production of wood cannot be considered in isolation from forestry for the production of non-wood products, social benefits, nature conservation, or environmental protection.



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What does all this mean in terms of effective forest policy; and how does it relate to other land use activities as well as to the debate surrounding global environmental change?

In order to address these issues and questions, a new series of courses will take place at the University of Oxford from 30th June to 22nd September 1994.

These courses involve a major new initiative between two international organisations, one academic - Oxford Forestry Institute (OFI), and the other a consultancy company - SGS Silviconsult. This joining of two such traditionally separate skill centres is in response to the changing demands for effective forest policy.

The courses are constructed as a series of groups of modules. Each group of modules is self-contained, and the whole forms an integrated and progressive programme that identifies and clarifies the thinking on global forestry issues, and provides solutions or tools for solving major problems.

Participants are welcome from a wide variety of disciplines, organizations (international, governmental, non-governmental and commercial) and levels including policy makers, programme or task leaders, and project managers.

The course starts with an intensive week of introduction to all the issues to be covered throughout the course.

It is especially geared towards senior policy-makers who require an overview of the issues but who are not able to dedicate one or three months to the course.

The topics in this week will be addressed by world authorities and leaders who will also participate in the discussion of their subjects. They will describe the origins and concepts of the issues, and identify current theories and facts.

The next three weeks cover the political, social and economic framework within which land use policies and forest management have to take place. The format will include lectures, seminars, case studies and computer-based simulation exercises. They will be conducted by staff of the OFI and SGS Silviconsult, supplemented by a number of leading specialists from associated institutions. Their presentations will be aimed at mid-senior policy-makers and implementers from all sectors and agencies that have an input to or benefit from forest land.

The last eight weeks of the course will follow the traditional and world-renowned pattern of Oxford courses in Planning and Management and in Rural Development Forestry. These two groups of modules will be given in parallel by OFI and SGS Silviconsult staff, with assistance from external economists, extensionists, and sociologists. They are aimed at project managers in forestry and rural development. They will provide the tools for operational problem-solving in planning and managing forested lands, and tools for involving the people dependent on those lands in participatory

approaches to forestry for development. Teaching methods will include lectures, participatory seminars, discussions, case studies, and study tours to British and European sites and organizations.

For further information contact:

Course Coordinator  
Oxford Forestry Institute  
Dept. of Plant Sciences  
University of Oxford  
South Parks Road  
Oxford OX1 3RB  
United Kingdom  
Fax: +44-865-27 50 74

### *Forestry Planning & Management Course*

Forest sector managers in the modern world now find it necessary to update their skills during their working life.

Managers increasingly need to:

- Integrate forestry management with the wider objectives of rural development and national economic plans and strategies. Forestry development often plays a significant role in many rural development initiatives.
- Service projects initiated and funded by large international agencies.
- Adapt themselves and their organisations to the information revolution, with its resulting increase in the use of computers.

In order to address these issues, a forestry planning and management course will be held at the Australian National University from 10th October to 2nd December 1994 in Canberra and Gympie/Australia.

### Course Aims

Participants in this course will gain knowledge and skills in:

- The identification, design, appraisal, implementation, management and evaluation of all forms of forestry projects, including natural forests, plantations and community forests.
- The planning and management of large-scale plantation projects (an Australian State softwood plantation program will be used as one case study which will be the focus of the first segment).
- Using computers in modern planning and management. Considerable emphasis will be given to the use of computer packages for financial and economic analysis of forestry projects. Emphasis is on actual case studies.

### Course participants

- The Course assumes participants have backgrounds in technical aspects of forestry, and that they work (or are intending to work) in a forestry administration agency, or a related forest industry or rural development organisation, or are from forestry areas within national economic planning agencies.
- The Course requires a reasonable level of competence in the English language. (Pre-course English can be arranged.)

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- The Course is designed for middle and potential senior level forestry planners and managers.
- The Course will best suit those in the 25-40 age group who have some managerial and policy formulating responsibility, but who also retain some technical role in the preparation of projects and departmental budgets.

### Course Content

The Course begins with an orientation program to assist participants during their stay in Australia. Teaching methods combine lectures, seminars/ discussions, practical work, case studies and field studies.

Computing tuition is in small groups, and tutorials are available in other areas as required. Participants are encouraged to interact informally amongst themselves and with staff and forestry students on campus.

### Course Outline

Plantation development is taught using the Queensland Forest Service plantations in South East Queensland as a case study.

All phases of planning are dealt with, including land-use, site development, silvicultural methods and management regimes, harvesting and marketing, forest protection and appropriate use of the resulting wood resource.

Project planning and management is taught within a framework of development issues. Areas are the project cycle, resource appraisal, project identification and evaluation, project budgeting, financial and economic appraisal, personnel management.

Forest sector planning and management is also taught within a broad framework of development issues, concentrating on management and silvicultural decision-making within currently accepted concepts of ecologically sustainable development; linkages between forestry and national development plans; and socio-economic and technical issues relating to managing forest ecosystems.

### The Use of Computers

Computing aspects of the Course emphasize spreadsheet, database and project scheduling software. Participants are also introduced to software for survey analysis and specialized forestry applications.

### Field Tours

Field tours examine a range of aspects of relevant and interesting forestry practice in Australia.

### Seminar Participation

Each participant should bring information from their own country to assist in developing a project report, which they will present in both written and oral form towards the end of the Course.

For further information please contact:

Course Coordinator  
ANUTECH Pty Ltd  
GPO Box 4  
Canberra, ACT 2601  
Australia  
Tel: 61 6 249 5671  
Fax: 61 6 249 5875

*An International E-Mail Conference  
on Ecotechnology  
for Sustainable Development*

An international E-Mail Conference on Ecotechnology for sustainable development will take place between January and September 1994. Papers dealing with this subject can be presented either via computer or at a local face-to-face seminar which will be organized locally.

To accommodate all areas of expertise and interests, the general scope of topics of the ecotechnology conference is wide and will deal with many facets of human life and management of the natural environment. The conference will however give special focus on aspects related to the research, development and applications of environmentally and ecologically sound technologies and practices that contribute to sustainable development.

### Theme 1: Unsustainable Technologies

This theme covers practices and technologies that are wasteful and which result in the depletion and degradation of natural resources, such as deforestation, salinization, desertification, etc.) The scope also includes practices and by-products which cause or increase pollution of air, water and land. The objective of this section is to enable the conference participants to point their fingers at unsustainable technologies and to recommend improvements or to suggest and give greater focus on better and existing alternative technologies or practices.

### Theme 2: Principles and History of Ecotechnology and Sustainable Development

This theme invites papers dealing with, for example: Approaches and concepts on ecotechnology and sustainable development, and policies and strategies for accelerating eco-sustainable development and natural resource management. Religion, rituals and socio-economic factors can greatly influence people's concepts and practices in living in harmony with nature and sustainable development. Were ancient cultures sustainable - what remains and why are they disappearing?

### Theme 3: Identification and Promotion of Specific Ecotechnologies and Practices

Theme 3 will cover papers describing specific indigenous and modern technologies and practices which may be related to livelihood activities in agriculture, fisheries, animal husbandry and forestry. They may deal with food (indigenous foods, fermentations); energy and fuel (bioenergy and biofuels, solar, wind, geothermal, hydro, tidal, electro-chemical, hydroelectric, renewable energy); human and animal health (alternative and herbal medicine); pest control (e.g. microbial or plant pesticides), biofertilizers (e.g. composts, microbial inoculants, green manure); natural fibres; etc. Papers on non-agricultural technologies or natural resource conservation and management are also invited. These may include technologies for recycling or to maximise the use of resources and other alternative and appropriate technologies.

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### Theme 4: Integrated Ecotechnological Systems and Programs

The theme focuses on integrated systems which are used by tribes and villagers, rural inland communities, coastal and river communities, and in cities. It welcomes success stories and project descriptions for e.g. mixed and integrated farming systems, integrated pest control and resource management systems, etc. This section also covers descriptions of national, regional and international projects or programs related to ecotechnology and sustainable development.

#### Abstract:

An abstract should contain title of paper, names of authors (first name, family name), postal and e-mail address, phone and fax numbers. The abstract (excluding title, names and addresses) should have not more than 30 lines (75 characters per line). Abstracts may be submitted between November 1st, 1993 and August 31, 1994. An early submission would, however, be appreciated as to facilitate the planning of the conference. Please send your abstract (ASCII file) to:  
ET-PLAN@SEARN.SUNET.SE.

#### Paper Presentation:

To present a paper at the computer conference, you should be able to receive and send e-mail. In very special situations, fax may be used. You are only required to check your e-mail daily from the agreed date of your presentation for two weeks.

#### Deadline for Submission of Full Papers:

Three weeks before the agreed date of your presentation, please e-mail your paper to ET-PLAN@SEARN.SUNET.SE. Full papers should be at least 250 lines and not more than 400 lines (max. 75 characters per line, max. 10 references with full title of publication).

#### Local Seminar:

If several abstracts are received from a city, a local face-to-face seminar may also be organized locally; you will be informed by the local organizer. Local seminars may also be organized to help participants who do not have e-mail. Please contact the network manager if you like to volunteer to organize a local one-day or half-day seminar.

#### Additional Information:

The mailing list ET-ANN (announcements: ecotechnology conference 1994) stores earlier announcements on the conference. To get these, e-mail to LISTSERV@SEARN.SUNET.SE with message:  
GET ET-ANN LOG9309  
GET ET-ANN LOG9310  
GET ET-ANN LOG9311

#### For further information please contact:

Mr. Eng-Leong Foo (Ecotech '94 Manager)  
Unesco Microbial Resources Center  
Karolinska Inst.  
10401 Stockholm  
Sweden  
E-Mail: ENG-LEONG\_FOO\_MIRCENKI@MICFORUM.KI.SE  
Fax: +46-8-33 15 47

### *An International Symposium on Agroforestry, Berlin/Germany*

Due to the agricultural overproduction in Europe and North America land is taken out of production increasingly and laid in fallow. Farmers are obliged to look for environmentally tolerable and profitable alternatives in land use options.

The land fallen in fallow is a challenge for agricultural and forestry scientists and for all concerned with the development and practice of land utilization strategies for non-food and/or energy products based on an ecologically and socio-economically sound landscape management concept.

One intensively discussed approach to manage these areas is afforestation and/or agroforestry. In this context also the immobilization of CO<sub>2</sub> with regard to the global climate change problem plays an important role. Naturally there is a wide range of afforestation strategies ranging from natural and even-aged forest management to energy biomass production and alley cropping systems. These approaches are also practiced and/or discussed in other parts of the world. As reforestation efforts of cut-over or degraded tropical and subtropical forest land, the establishment of plantation forestry for intensive wood production (e.g. chips for pulp and paper) as well as fuel wood plantations and other forestry/agroforestry systems are practiced approaches. Under these conditions sustainability of forest management has generally not been achieved.

For all - but particularly for more intensified management practices - optimal soil fertility, sufficient water supply, adequate CO<sub>2</sub> availability and sufficient radiation are prerequisites for both, sufficient stability/vitality and optimal productivity.

In order to discuss these topics, to evaluate the present knowledge/experiences and to define the status-quo of research and further research needs within the wide range of agroforestry the Institute of Forest Ecology in Eberswalde at the Center for Agricultural Landscape and Landuse Research (ZALF) together with the Technical University of Cottbus, Faculty of Environmental Sciences, Chair of Soil Protection and Recultivation as well as the International Scientific Center of Fertilizers (CIEC) will conduct a symposium on this theme from May 30 to June 2, 1994, in Berlin.

Potential topics of the symposium are:

- Suitability of renewable energy by biomass production in the light of reducing resources of fossil fuel and atomic energy sources
- Aspects of current and future use of non-fossil fuels for the energy demand in agriculture and forestry
- Cash crops as potential fuel source
- Plant residues utilization
- Cost-effectiveness in the biomass energy production
- Various concepts of land utilization (biomass production) and aspects of agroforestry

- Sustainable land utilization systems
- Agroforestry as an environmental protection measure and renewable resource for non-food production
- Role of fertilization and manuring in agroforestry, reforestation and afforestation
- Plantation forestry
- Land use design and ecological guidelines related to agroforestry
- Technological problems in cultivation, harvesting and processing of non-food plants in agroforestry systems
- Technical equipment for management in agroforestry
- Commodity-specific research needs in agroforestry production
- Forest management practices in agroforestry systems
- Modelling (i.e. approaches to the nutrition of non-food plants; landscape management)

All these topics are subjects for acceptance. The final program will be elaborated from these various topics on the base of kind of submitted papers/posters.

The main subjects will be addressed as key note presentations.

All interested participants are requested to submit papers which should correspond with the general topic of the symposium.

For further information please contact:

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## Publications

### *Forestry and Society Newsletter*

The *Forestry and Society Newsletter* (FSN) is a biannual publication with the purpose to report on the development of social forestry in China. In addition, FSN aims to promote the exchange of information, new technology, and research methods in China and countries around the world. FSN will be distributed free of charge to institutions, organizations, NGOs, and individuals engaged in the activities of social forestry.

To receive it, please send your complete address to the editor:

Mr. Li Weichang  
Forestry and Society Newsletter  
Institute of Scientific and  
Technological Information (101)  
Chinese Academy of Forestry  
Wan Shou Shan 100091  
Beijing, P.R. China

### *'Network' - A Newsletter for Forestry Policy Planners in the Asia-Pacific Region*

The FAO regional project 'Forestry Planning and Policy Assistance in Asia and the Pacific Region' has recently launched the inaugural issue of *Network*, a quarterly newsletter on problems and issues concerning forestry and environment.

The objective of this newsletter is to facilitate sharing information and experience in addressing issues relating to forestry planning and policy as well as to strengthen collective and cooperative undertakings towards regional and subregional self-reliance in forest conservation and development.

To subscribe to the newsletter please contact.

Dr. S.K. Bhargava  
c/o FORSPA  
Maliwan Mansion  
Phra Atit Road  
Bangkok 10200  
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Fax: + 662-280-45 67

### *The 'Revista Forestal Centroamericana'*

The *Revista Forestal Centroamericana* is a newsletter of the Tropical Agricultural Center for Research and Training (CATIE) in Costa Rica, and is published three times a year. It deals with technical and practical aspects of conservation of natural resources in Centralamerica, focusing on forestry resources.

The newsletter is published in Spanish, and may be ordered from:

Revista Forestal Centroamericana  
CATIE 7170  
Turrialba  
Costa Rica  
Fax: + 506-56 62 82 or 56 15 33

### *The Challenge of Sustainable Forest Management*

The Challenge of Sustainable Forest Management. What future for the world's forests? FAO. 1993. ISBN 92-5-103370-6

The loss and degradation of the world's forests could have far-reaching consequences for humanity. This book is a contribution to increasing public awareness of the issues involved and to furthering the implementation of sustainable forest management and of sustainable land use. It stresses the importance of the involvement of an informed public in debate and decisions leading to policy formulation. The book describes the need for new and improved methods of assessing the values of services provided by forests, including indirect benefits, which would greatly improve the prospects for meeting the funding needs for sustainable forest management. Also addressed is the need to confront many economic and social problems which, although arising outside the forests, have major impacts on the forest resource.

This book is aimed primarily at a non-technical audience, including decision-makers and the concerned general public. It will, however, be of value to those foresters whose professional education was completed before the concept of sustainability was expanded beyond the sustained supply of timber to include all of the goods and services provided by forests.



### ***Forest Resources Assessment 1990***

Forest Resource Assessment 1990. Tropical Countries. FAO Forestry Paper 112. 1993. ISSN 0258-6150

This report provides comprehensive information on the current state of tropical forests including deforestation, management, conservation and development of resource. It addresses issues related to forest degradation, loss of biomass and biodiversity.

The 1990 Global Forest Resources Assessment builds upon the 1980 study. It has three components: (a) the assessment for the tropical countries which is presented in this report; (b) the assessment of the forest resources of the industrialised countries which has been carried out and published recently jointly by FAO and the Economic Commission for Europe of the United Nations; and (c) the assessment for the non-tropical developing countries which is to be published in early 1994. (from the preface)

### ***FORSPA Directory on Forestry Researchers***

FORSPA. 1992. Forestry Researchers ... a directory of forestry researchers in the Asia Pacific Region. FORSPA publication no. 3, Technical Doc. no. GCP/RAS/134/ASB

The Forestry Reserach Support Programme for Asia and the Pacific (FORSPA) has published a directory of Forestry Researchers in the Asia Pacific Region. The directory was compiled from some 900 individual researchers of the region.

The directory is divided into three sections.  
Section I: Brief Biodata  
Section II: Professional Experience  
Section III: Publications.

Copies may be obtained from:  
FORSPA  
FAO Regional Office for Asia and The Pacific  
Phra Atit Road  
Bangkok 10200  
Thailand  
Fax: + 662-280 04 45

### ***South-East Asia's Environmental Future***

H. Brookfield and Y. Byron (eds.). South-East Asia's Environmental Future. The Search for Sustainability. United National University Press, Tokyo, Japan. 1993. 422 pp. ISBN 92-808-0823-0

South-East Asia has shown stunning economic success in recent decades, but it has come at great expense to its natural resources and the capacity of its environment to sustain continued development. By the end of the 1980s, there was growing concern that present forms of development are unsustainable.

The United Nations University organized a conference, held at Yogyakarta, Indonesia, in 1991, that brought together close to 40 regional and foreign experts to discuss these issues. This book is based on that conference. It analyses the driving forces of change, climatic uncertainties, and a number of major issues such as deforestation, sustainability of food production, the deteriorating urban and marine environments, and the institutional problems lying in the way of better environmental management. The book presents much new information and offers forthright discussion of a dangerous situation. The authors conclude that a basic change in the approach to development is necessary if current growth is not to rob the next generation of many of the resources it will require.

This book is essential reading for all concerned with development and the environment in the South-East Asian region and in other tropical areas.

### *Agroforestry in the Pacific Islands*

W.C. Clarke and R.R. Thaman (eds.). 1993. *Agroforestry in the Pacific Islands - Systems for Sustainability*. United Nations University Press. Tokyo, Japan. 297 p. ISBN: 92-808-0824-9.

The replacement of forest with human domesticates figures as one of the most ancient relationships between humanity and the environment. What is new is the rate and scale at which forests are being cleared to make way for agriculture. With

the possibility looming of a total loss of tropical forests, there is now a lively interest in making the place where farming and forest meet more harmonious.

Agroforestry - which, simply expressed, might be understood to refer to farming with trees rather than without - represents a powerful harmonizer between the two competitors.

This book describes the diverse traditional agroforestry systems that have evolved over thousands of years in the Pacific Islands. Based on extensive field observations and a wide range of published sources, this study of the agroforestry systems and their hundreds of component trees of Polynesia, Micronesia, and Melanesia shows how these systems have contributed environmental stability and profound utilitarian value to Pacific Island societies for millenia, and thus argues convincingly for the wisdom of protecting the existing systems and trees in current agroforestry development projects, rather than replacing them or allowing them to deteriorate because of commercial pressures or ignorance.

As the most comprehensive single source on agroforestry to date, this book will be a must for scholars as well as development agents, planners, aid officials, and foresters.

(from the back cover)

## European Tropical Forest Research Network

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