

Directory of forestry research organizations

FAO
FORESTRY
PAPER

109



Food
and
Agriculture
Organization
of
the
United
Nations



Directory of forestry research organizations

**FORESTI
PAPE**

109



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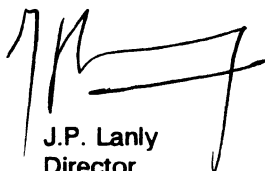
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PREFACE

This Directory is based on a questionnaire sent to all forestry research organizations in the mailing lists of FAO and IUFRO. The initial responses were compiled into a Draft Directory dated August 1992.

Copies of the Draft Directory were mailed to all the organizations which had responded, with a request for amendments and updated information. In addition, IUFRO country representatives were requested to help in locating research organizations that had been missed. Even so, we are aware that the present Directory is not complete, but two years have already passed since the start of this effort and to delay publication in the hope of locating all organizations will only result in the obsolescence of the information already in hand. We intend to deal with new information by producing new editions from time to time. Those organizations which have been missed are requested to send in details for the next edition, using a copy of the form provided at the back of this publication.

The format of this Directory has been made deliberately simple. Although computers make data-processing easy, data entry remains time-consuming, expensive and error-prone. Also, data that is voluminous tends itself to be the cause of publication-delay and data-obsolescence. We have accordingly opted for the minimum data needed to facilitate contacts between forestry research organizations. This is where the need is greatest. Other kinds of information can be obtained by direct contact, once the communications channels have been established.

A handwritten signature in black ink, appearing to read 'J.P. Lanly', is positioned above the printed name and title.

J.P. Lanly
Director

Forest Resources Division

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FAO and FORESTRY

Founded in 1945, the Food and Agriculture Organization of the United Nations (FAO) is assigned four main tasks by its Constitution:

- * to collect, analyse, interpret and disseminate information;
- * to advise governments on technical and policy matters;
- * to provide a neutral forum for international discussion and dialogue;
- * to provide technical assistance at the request of member governments.

The constitution designates forestry as an integral part of overall agricultural development. Today, FAO - through its Forestry Department - is the leading international organization dealing with forestry.

THE FORESTRY DEPARTMENT

The FAO Forestry Department promotes national and international action for the conservation, management and sustainable use of forests, trees and related resources as an integral element of overall socioeconomic development and environmental protection. Currently, the Department has five main objectives:

- * to assist countries enhance the productivity and sustained use of forest and tree resources, with a view to maximizing their contribution to rural and socio-economic development;
- * to promote the conservation of forest ecosystems and the integration of forests and trees into land-use systems;
- * to assist in increasing the value of forest production - both wood and non-wood;
- * to support full participation in and equitable sharing of benefits among all people dependent on forestry activities, particularly the most vulnerable groups;
- * to provide policy and planning advice to national forestry administrations.

These objectives apply equally to work at FAO Headquarters in Rome Italy, and to the forestry field programme with approximately 300 projects in more than 90 countries in the developing world.

THE INTERNATIONAL UNION OF FORESTRY RESEARCH ORGANIZATIONS and its SPECIAL PROGRAMME FOR DEVELOPING COUNTRIES

IUFRO is a non-profit, non-governmental international research organization established in 1892. Its objectives are to promote international cooperation in forestry and forest products research and standardization of research techniques.

IUFRO includes more than 15,000 scientists from over 710 member organizations in more than 110 countries. It serves as a forum for the exchange of knowledge and experiences in forestry research at the national and international levels.

IUFRO has placed increasing emphasis on problems of global concern, for which special units may be created. One of these is the Special Programme for Developing Countries (SPDC).

SPDC was established in 1983 as a special arm of IUFRO. It aims to promote improvement of forestry research in less developed countries through special-purpose activities.

SPDC is an active member of the international programme for assistance in forestry research. As well, it is a strong component of the overall IUFRO programme, fostering the activities of IUFRO while meeting its mandate of research improvement through training programmes, workshops, information services, liaison and collaboration.

SPDC's tasks are to identify priority forestry problems, to increase the ability of forest scientists in less developed countries to conduct quality research, to facilitate information flows to forest scientists, and to assemble funds for a programme of general assistance to forestry research in the developing world.

With evolving world needs, the challenges for the SPDC change. Its aim of promoting improvement of forestry research in less developed countries, however, remains unaltered.

ALBANIA

INSTITUT DES RECHERCHES FORESTIERES ET DES PATURAGES

Tirana

Tel: 0035-542-33343

Fax: 0035-542-27665

Main research areas: forest management, silviculture,
protection

Director: Parim Carçani

ALGERIA

INSTITUT NATIONAL DE LA RECHERCHE FORESTIERE

B.P. 37 Cheraga Alger

Foret de Bainem

Tel: 797296/798998

Fax: 783211

Telex: 61 407

Number of graduate staff: 080

Establishment date: 1981

Main research areas: silviculture and management, wildlife,
protection, desertification

Directeur: Mahieddine Fateh

ARGENTINA

ADMINISTRACION DE PARQUES NACIONALES

Avenida Santa Fe 690

C.P. 1059

Buenos Aires

Tel: 3118294

Number of graduate staff: 011

Establishment date: 1934

Main research areas: afforestation, conservation, inventory,
weeds

Head of Research: Ana Balabusic

CENTRO DE INVESTIGACION DE CELULOSA Y PAPEL (CICELPA)

C.C. 157

1650 San Martín

Buenos Aires

Tel: 541-7524901/6650058

Fax: 541-3132130

Telex: 21859 INTIAR

Number of graduate staff: 004

Establishment date: 1967

Main research areas: pulp and paper, forestry, wood chemistry,
environment

Technical Director: Susana R Bertolón de Sucatte

**CENTRO DE INVESTIGACION TECNOLOGICA DE LA MADERA Y
AFINES (CITEMA)****C.C. 42****1708 Morón****Buenos Aires****Tel: 541-6653362/6650068****Fax: 541-3132130****Telex: 021 859 INTIAR****Number of graduate staff: 008****Establishment date: 1978****Main research areas: wood technology, wood processing,
eucalyptus****Technical Director: Graciela Inés Ramirez****CENTRO DE INVESTIGACION Y EXTENSION FORESTAL
ANDINO-PATAGONICO (CIEFAP)****C.C. 238****9200 Esquel****Chubut****Tel: 945-3948****Fax: 945-3948****Telex: 80114 UNPEQ AR****Number of graduate staff: 011****Establishment date: 1990****Main research areas: silviculture and management, wood technology,
harvesting, protection, economics****Director: Juan Andrés Enricci****CENTRO DE INVESTIGACIONES Y EXPERIENCIAS FORESTALES
(CIEF)****Moreno 431****1091 Buenos Aires****Tel: 054-1-3434930****Fax: 054-1-3312136****Number of graduate staff: 012****Establishment date: 1984****Main research areas: tree improvement, silviculture and
management, wood technology, poplar, willow, pine, eucalyptus****Scientific Director: Wilfredo H. Barrett**

INSTITUTO DE SILVICULTURA Y MANEJO DE BOSQUES (INSIMA)

Avenida Belgrano Sud 1219

4200 Santiago del Estero

Tel: 5485-221322

Fax: 5485-222595

Telex: 6410 UNSETT AR

Cable: UNSE-INSIMA

Number of graduate staff: 034

Establishment date: 1986

Main research areas: wood technology

Director: José Antonio Lopez

INSTITUTO DE TECNOLOGIA DE LA MADERA (FCF-UNSE)

Avenida Belgrano Sud 1912

4200 Santiago del Estero

Tel: 5465-221322

Fax: 5465-222595

Telex: 64120 UNSET AR

Number of graduate staff: 010

Establishment date: 1978

Main research areas: wood technology, forest products

Director: Víctor Raúl Medina

INSTITUTO FORESTAL NACIONAL (IFONA)

Avenida Pueyrredón 2446

1119 Capital Federal

Tel: 541-8033146

Fax: 541-8032815

Telex: 21535 DGAAG AR

Number of graduate staff: 042

Establishment date: 1948

Main research areas: tree improvement, silviculture, wood technology, protection, soils

Director: Omar Norberto Tesolin

INSTITUTO NACIONAL DE TECNOLOGIA AGROPECUARIA (INTA)

C.C. 34

3200 Concordia

Entre Rios

Tel: 54-45-214027/210361

Fax: 54-45-216722

Telex: 17518 INTA AR

Number of graduate staff: 045

Establishment date: 1956

Main research areas: tree improvement, silviculture and management, ecology

Coordinador Nacional Programa Forestales: Martín A. Marco

UNIVERSIDAD DE BUENOS AIRES, FACULTAD DE CIENCIAS
EXACTAS Y NATURALES, DEPARTAMENTO CIENCIAS
BIOLOGICAS, LAB. ANATOMIA VEGETAL

II Pabellon, 4º piso

1428 Núñez

Buenos Aires

Tel: 054-1-7815020 x.385

Number of graduate staff: 003

Establishment date: 1977

Main research areas: wood technology

Professor: Elena Ancibor

UNIVERSIDAD DE BUENOS AIRES, FACULTAD DE CIENCIAS
EXACTAS Y NATURALES, DEPARTAMENTO DE CIENCIAS
BIOLOGICAS, PRHIDEB-CONICET

II Pabellon, 4º piso

Ciudad Universitaria (Núñez)

1428 Buenos Aires

Tel: 054-1-7815020 x.202

Number of graduate staff: 005

Establishment date: 1960

Main research areas: pathology

Director del Progame: Jorge E. Wright

UNIVERSIDAD NACIONAL DE CORDOBA, FACULTAD DE CIENCIAS
AGROPECUARIAS

Avenida Valparaiso S/N

C.C. 509

5000 Cordoba

Tel: 5451-602684

Fax: 5451-37841

Telex: 51822 BUCOR AR

Number of graduate staff: 025

Establishment date: 1966

Main research areas: silviculture and management, wood
technology, economics

Decano: Argós Argentino Rodríguez

UNIVERSIDAD NACIONAL DE CUYO, FACULTAD DE CIENCIAS
AGRARIAS, INSTITUTO FORESTAL
C.C. 7
5505 Chacras de Coria
Mendoza

Tel: 5461-960004
Fax: 5461-960469
Telex: 55267 MEDOZ AR
Cable: FCA-UNC-5505

Number of graduate staff: 008

Establishment date: 1969

Main research areas: silviculture, wood technology, agroforestry,
biotechnology, desertification, forest products, vegetative
propagation, eucalyptus

Director: Rosa Inés Arreguin

UNIVERSIDAD NACIONAL DE LA PATAGONIA, CENTRO DE
INVESTIGACIONES FORESTALES
Sermiento 849
9200 Esquel
Chubut

Tel: 945-2271

Number of graduate staff: 011

Establishment date: 1981

Main research areas: silviculture, wood technology, natural
forests, seeds

Director: Ernesto Andenmatten

UNIVERSIDAD NACIONAL DE MISIONES, FACULTAD DE CIENCIAS
FORESTALES, INSTITUTO SUBTROPICAL DE INVESTIGACIONES
FORESTALES
C.P. 3382
Eldorado, Misiones

Tel: 751-31526

Fax: 751-31766

Number of graduate staff: 017

Establishment date: 1975

Main research areas: agroforestry, biometeorology, entomology,
natural forests, nutrition, pathology, seeds, silviculture and
management, urban forestry, watersheds, wood technology

Director: Juan M. Kozarik

UNIVERSIDAD NACIONAL DE SANTIAGO DEL ESTERO, FACULTAD DE CIENCIAS FORESTALES**Avenida Belgrano Sud 1912****4200 Santiago del Estero****Tel: 5485-2221322****Fax: 5485-222595****Telex: 64120 UNSET AR****Number of graduate staff: 070****Establishment date: 1958****Main research areas: protection, silviculture, wood technology, arboreta****Decano: Eduardo Oscar Coronel****UNIVERSIDAD NACIONAL DE SANTIAGO DEL ESTERO, FACULTAD DE CIENCIAS FORESTALES, INSTITUTO DE CONTROL BIOLOGICA****Avenida Belgrano Sud 1912****4200 Santiago del Estero****Tel: 5485-221322****Fax: 5485-222595****Telex: 64120 UNSET AR****Number of graduate staff: 007****Establishment date: 1978****Main research areas: natural forests, agroforestry, inventory, plantations, tree improvement, soils, protection****Director: Liliانا Diodato de Medina****UNIVERSIDAD NACIONAL DEL SUR, DEPARTAMENTO DE AGRONOMIA, CATEDRA DE ARBORICULTURA FORESTAL****San Andrés****Bahía Blanca****Buenos Aires****Tel: 5491-30024/34775****Fax: 5491-27876****Telex: 81712 DUJOR****Number of graduate staff: 003****Establishment date: 1956****Main research areas: silviculture, agroforestry, soils****Director: Gustavo A. Orioli****ARMENIA****FORESTRY DEPARTMENT, INSTITUTE OF BOTANY****SU-375063 Yerevan****Tel: 614440/614644****Number of graduate staff: 007****Establishment date: 1963****Main research areas: natural forests, silviculture, hydrology, history****Head of Forestry Department: K.A. Ter-Gazarian**

AUSTRALIA

APM FORESTS PTY LTD

P.O. Box 37

Morwell 3840

Tel: 51-343433

Fax: 51-337955

Telex: AA30040

Number of graduate staff: 005

Establishment date: 1950

Main research areas: tree improvement, nutrition, silviculture,
weeds, vegetative propagation, biotechnology, mensuration, pulp
and paper, economics

Development Manager: John Cameron

APPM FOREST RESEARCH

P.O. Box 63

Ridgley, Tasmania 7321

Tel: 6104-357300

Fax: 6104-357607

Number of graduate staff: 005

Establishment date: 1985

Main research areas: tree improvement, soils, plantations,
entomology, vegetative propagation

Research Manager: D. de Little

AUSTRALIAN NATIONAL UNIVERSITY, CENTRE FOR RESOURCE &
ENVIRONMENTAL STUDIES

GPO Box 4

Canberra, ACT 2601

Tel: 616-2494277

Fax: 616-2490757

Telex: NATUNI AA2760

Number of graduate staff: 030

Establishment date: 1973

Main research areas: forest policy, economics, biodiversity

Director: H.A. Nix

AUSTRALIAN NATIONAL UNIVERSITY, DEPARTMENT OF FORESTRY

GPO Box 4

Canberra, ACT 2601

Tel: 616-2492579

Fax: 616-2490746

Telex: NATUNI AA2760

Establishment date: 1965

Main research areas: ecology, forest policy, gis, inventory,
silviculture and management, soils, tree improvement, wildlife,
wood technology, economics

Professor: E. P. Bachelard

BUREAU OF RESOURCE SCIENCES, FORESTS SECTION**John Curtin House****Brisbane Avenue****Carton, ACT 2601****Tel: 62-724048****Fax: 62-724896****Number of graduate staff: 005****Establishment date: 1992****Main research areas: inventory, forest policy****Section Manager: J. Fryer****COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF FORESTRY****PO Box 4008****Queen Victoria Terrace****Canberra ACT 2600****Tel: 616-2818211****Fax: 616-2818312****Telex: 62751****Number of graduate staff: 086****Establishment date: 1927****Main research areas: tree improvement, silviculture and
management, soils, plantations, genetic resources, nutrition,
pathology****Chief of Division: G. A. Kile****COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF FORESTRY, PLANTATION
FOREST RESEARCH CENTRE****P.O. Box 946****Mt. Gambier, South Australia 5290****Tel: 6187-255555****Fax: 6187-231387****Number of graduate staff: 005****Establishment date: 1962****Main research areas: plantations, soils, nutrition, tree
improvement****Officer in charge: D. W. Sheriff**

**COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF FORESTRY, TASMANIAN
RESEARCH CENTRE**

Locked Bag N.2, Post Office
Sandy Bay
7005 Tasmania

Tel: 61-02-207900

Fax: 61-02-207901

Number of graduate staff: 012

Establishment date: 1949

Main research areas: silviculture, nutrition, plantations,
vegetative propagation, tree improvement

Officer in Charge: P. West

**COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF FORESTRY, WA FOREST
RESEARCH GROUP**

Private Bag, Post Office
Wembley WA 6014

Tel: 61-09-3870200

Fax: 61-09-3878991

Telex: 92178

Number of graduate staff: 10

Establishment date: 1959

Main research areas: silviculture, nutrition, plantations

Officer in Charge: F. Hingstone

**COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION (CSIRO), DIVISION OF PLANT INDUSTRY**

GPO Box 1600
Canberra ACT 2601

Tel: 616-2464911

Fax: 616-2465000

Number of graduate staff: 188

Establishment date: 1928

Main research areas: genetic resources, tree improvement,
biotechnology

Chief: W.J. Peacock

**COOPERATIVE RESEARCH CENTRE FOR TEMPERATE HARDWOOD
FORESTRY**

Locked Bag N. 2, Post Office
Sandy Bay
7005 Tasmania

Tel: 61-02-0207947

Fax: 61-02-207942

Number of graduate staff: 46

Establishment date: 1991

Main research areas: genetic resources, protection, soils

Director: James B. Reid

**DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT, SCIENCE
AND INFORMATION DIVISION****P.O. Box 104****Como, Western Australia 6152****Tel: 610-9-3868811****Fax: 610-9-3861578****Number of graduate staff: 020****Establishment date: 1985****Main research areas: silviculture, hydrology, pathology, wildlife,
entomology, wood technology****Director: J. A. Armstrong****DEPARTMENT OF PRIMARY INDUSTRIES, FOREST RESEARCH BRANCH****135 Waymouth Street (or) Box 1604 GPO****Adelaide, South Australia 5000****Tel: 618-2269900****Fax: 618-2269933****Cable: Woodforest Adel****Number of graduate staff: 012****Establishment date: 1876****Main research areas: plantations, mensuration, afforestation****Director: I. B. Millard****FORESTRY COMMISSION OF NSW, RESEARCH DIVISION****P.O. Box 100****Beecroft, NSW 2119****Tel: 610-2-8720120****Fax: 610-2-8725565****Number of graduate staff: 052****Establishment date: 1937****Main research areas: soils, nutrition, silviculture, entomology,
pathology, ecology, hydrology, forest products****Director Research: John Turner****QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES, FOREST
RESEARCH INSTITUTE****M.S. 483****Gympie, Qld 4570****Tel: 074-822244****Fax: 074 828755****Number of graduate staff: 025****Establishment date: 1913****Main research areas: silviculture, soils, nutrition, tree improvement,
protection, wildlife, hydrology, agroforestry, vegetative propagation****Director (Acting): J.A. Simpson**

**QUEENSLAND FOREST SERVICE, TIMBER RESEARCH AND
EXTENSION BRANCH****PO Box 631****Indooroopilly, Queensland 4068****Tel: 7-8779700****Fax: 7-3712217****Telex: Quefor AA43988****Number of graduate staff: 010****Establishment date: 1923****Main research areas: wood technology, wood processing, wood
chemistry****Manager: D.K. Gough****SOUTHERN TREE BREEDING ASSOCIATION****P.O. Box 1811****Mt. Gambier, South Australia 5290****Tel: 87-230688****Fax: 87-230660****Number of graduate staff: 003****Establishment date: 1983****Main research areas: tree improvement****Chief Executive Officer: David Boomsma****UNIVERSITY OF MELBOURNE, FORESTRY SECTION****Parkville, Vic 3052****Tel: 613-3445240****Fax: 613-3444007****Telex: AA 35185****Cable: UNIMELB****Number of graduate staff: 012****Establishment date: 1941****Main research areas: silviculture and management, wood
technology, agroforestry, economics, forest policy, remote
sensing, physiology, ecology, harvesting, hydrology****Professor: I.S. Ferguson****UNIVERSITY OF NEW ENGLAND, DEPARTMENT OF ECOSYSTEM
MANAGEMENT****Armidale, NSW 2351****Tel: 6167-732539****Fax: 6167-732769****Number of graduate staff: 018****Establishment date: 1972****Main research areas: ecology, wildlife, conservation, biology, land
management, environment****Head: J. A. Duggin**

UNIVERSITY OF QUEENSLAND, DEPARTMENT OF BOTANY

Brisbane, Queensland 4072

Tel: 07-3652731

Fax: 07-3651699

Telex: UNIVQLD AA40315

Number of graduate staff: 035

Establishment date: 1910

Main research areas: agroforestry, forest health, biometeorology, biology, botany

Head of Department: G.R. Stewart

UNIVERSITY OF TASMANIA, CENTER FOR ENVIRONMENTAL STUDIES

G.P.O. Box 252 C

Hobart, Tasmania 7001

Tel: 6102-202834

Fax: 6102-202989

Telex: AA 58150

Number of graduate staff: 003

Main research areas: fuelwood, ecology, conservation, pests, environment

Coordinator: John Todd

AUSTRIA

FEDERAL FORESTRY RESEARCH INSTITUTE - VIENNA (FBVA)

Seckendorff-Gudent-Weg 8

A 1131 Wien Schönbrunn

Tel: 87838

Fax: 8775907

Number of graduate staff: 076

Establishment date: 1874

Main research areas: silviculture, tree improvement, protection, forest management, inventory, ecology, chemical products, torrent & avalanche control

Director: Friedrich Ruhm

OESTERREICHISCHES HOLZFORSCHUNGSINSTITUT (OHFI)

Franz Grillstrasse 7

A-1030 Wien

Tel: 00431-79826230

Fax: 00431-798262350

Number of graduate staff: 019

Establishment date: 1948

Main research areas: wood technology, pulp and paper

Director: Georg Kursky

**OSTERREICHISCHES FORSCHUNGSZENTRUM SEIBERSDORF
GES.M.B.H.****Division of Life Sciences****A-2444 Seibersdorf****Tel: 0043-54-80-0****Fax: 0043-54-80-2118****Telex: 14-353 FZS****Number of graduate staff: 020****Establishment date: 1956****Main research areas: biotechnology, environment****Head, Division of Life Sciences: Hans Kroath****UMWELT DATA GES.M.B.H.****Rudolfplatz 3/9****A-1010 Wien****Tel: 00431-5356131****Fax: 00431-5356131/9****Number of graduate staff: 003****Establishment date: 1987****Main research areas: remote sensing, forest health, forest
management, gis****Manager: Mauser Harald****UNIVERSITÄT FÜR BODENKULTUR, INSTITUT FÜR
FORSTENTOMOLOGIE, FORSTPATHOLOGIE UND FORSTSCHUTZ
Hasenauerstrasse 38****A-1190 Wien****Tel: 00431-315539/0****Fax: 00431-3105175****Number of graduate staff: 008****Establishment date: 1876****Main research areas: entomology, pathology, protection, forest
health, physiology****Director: Erwin Führer****UNIVERSITÄT FÜR BODENKULTUR, INSTITUT FÜR FORSTLICHE
BETRIEBSWIRTSCHAFT UND FORSTWIRTSCHAFTSPOLITIK
Gregor Mendelstrasse 33****A-1180 Wien****Tel: 00431-47654317****Fax: 00431-3105475****Number of graduate staff: 011****Establishment date: 1872****Main research areas: economics, forest policy, land-use policy,
marketing, inventory, non-wood forest products, forest
management, operations research****Head of institute: Peter Glueck**

UNIVERSITÄT FÜR BODENKULTUR, INSTITUTE FOR FOREST PRODUCTS

Gregor Mendelstrasse 33
A-1180 Wien

Tel: 00431-47654-0

Number of graduate staff: 004

Establishment date: 1872

Main research areas: forest products

Head of Institute: Helmut Resch

UNIVERSITÄT FÜR BODENKULTUR, INSTITUTE FOR SILVICULTURE

Peter Jordanstrasse 70
1190 Wien

Tel: 00431-47654628

Telex: 00431-3691659

Number of graduate staff: 006

Establishment date: 1872

Main research areas: silviculture, soils, protection, tree improvement, nursery

Head of Institute: Karl Stoszek

UNIVERSITÄT FÜR BODENKULTUR, INSTITUTE FOR TORRENT AND AVALANCHE CONTROL

Peter Jordanstrasse 82
A-1190 Wien

Tel: 00431-4765440/492/498

Fax: 00431-3105177

Number of graduate staff: 004

Establishment date: 1871

Main research areas: watersheds, afforestation, botany, environment, gis, hydrology

Head of Institute: Wolfgang Weinmeister

UNIVERSITÄT FÜR BODENKULTUR, INSTITUTE OF FOREST ECOLOGY

Peter Jordanstrasse 82
A-1190 Wien

Tel: 00431-47654-528

Fax: 00431-477896

Number of graduate staff: 008

Establishment date: 1874

Main research areas: soils, ecology

Head of Institute: Gerhard Glatzel

**UNIVERSITÄT FÜR BODENKULTUR, INSTITUTE OF FOREST
ENGINEERING**

Peter Jordanstrasse 70, 2. Stock
A-1190 Wien

Tel: 00431-47654-638

Fax: 00431-3691659

Number of graduate staff: 005

Establishment date: 1875

Main research areas: harvesting, mechanization, engineering,
work safety

Head of Institute: Anton Trzesniowski

**UNIVERSITÄT FÜR BODENKULTUR, INSTITUTE OF FOREST GROWTH
AND YIELD**

Peter Jordanstrasse 70
A-1190 Wien

Tel: 00431-47654-647

Fax: 00431-3691659

Number of graduate staff: 007

Establishment date: 1963

Main research areas: inventory, mensuration, biometrics

Head of Institute: Hubert Sterba

**UNIVERSITY OF GRAZ, DEPARTMENT FOR CHEMICAL PHYSIOLOGY,
INSTITUTE OF PLANT PHYSIOLOGY**

Schubertstrasse 51
8010 Graz

Tel: 0316-3805630

Fax: 0316-386815

Number of graduate staff: 004

Establishment date: 1900

Main research areas: environment, forest health, physiology,
botany, ecology, pathology

Professor: Dieter Grill

BANGLADESH**BANGLADESH AGRICULTURAL RESEARCH COUNCIL**

Farm Gate
New Airport Road
Dhaka 1215

Tel: 880-2-316187

Fax: 880-2-813032 ATTN FORESTRY

Telex: 642401 sher BJ ATTN BARC

Cable: AGRESEARCH

Number of graduate staff: 004

Establishment date: 1973

Main research areas: forest products, forestry

Member-Director (Forestry): S. M. Ruhul Amin

BANGLADESH FOREST RESEARCH INSTITUTE

Sholashahar, P.O. Box 273
Chittagong-4000

Tel: 880-31-212164

Cable: FORESTDALE

Number of graduate staff: 153

Establishment date: 1955

Main research areas: biotechnology, botany, economics, forest products, inventory, non-wood forest products, silviculture, tree improvement, pulp and paper, protection

Director: Mir Mohammad Hassan

INSTITUTE OF FORESTRY

Chittagong University
Chittagong

Tel: 880-31-210131-42

Number of graduate staff: 014

Establishment date: 1979

Main research areas: forest management, forest products

Director: S. M. Sirajul Haque

BELGIUM

**CENTRE DE RECHERCHE ET DE PROMOTION FORESTIERES (CRPF),
SECTION ECOLOGIE**

Passage des Déportés, 2
5030 Gembloux

Tel: 3281-622378/622320

Fax: 3281-614544

Telex: 59482 B-FSAGx

Number of graduate staff: 003

Establishment date: 1980

Main research areas: silviculture, natural forests, wood technology, economics, afforestation, ecology, environment

Professeur. J. Rondeux

**DEPARTEMENT DE EAUX ET FORETS, FACULTE DES SCIENCES
AGRONOMIQUES DE GEMBOUX**

Passage des Déportés 2
5030 Gembloux

Tel: 3281-622301/622320

Fax: 3281-614544

Telex: 59482 B-FSAGx

Number of graduate staff: 015

Establishment date: 1897

Main research areas: silviculture, ecology, natural forests, wood technology, economics, inventory; biodiversity, forest management, mapping, mensuration, wildlife

Professeur: J. Rondeux

**INSTITUT AGRICOLE DU HAINAUT, CENTRE AGRONOMIQUE DE
RECHERCHES APPLIQUEES DU HAINAUT A.S.B.L.(CARAH)**
rue Paul Pastur 11
7800 ATH

Tel: 3268-282190

Fax: 3268-285660

Number of graduate staff: 004

Establishment date: 1960

Main research areas: agroforestry, horticulture

Directeur: Van Kininckloo

LISEC, STUDIECENTRUM VOOR ECOLOGIE SBOSBOUW
Craenevenne 140
B-3600 Gent

Tel: 3211-362791

Fax: 3211-355805

Number of graduate staff: 023

Establishment date: 1948

Main research areas: ecology, silviculture and management

Sektiehoofd: B. Meuleman

STATION DE RECHERCHES FORESTIERES
Avenue Maréchal Juin 23
B-5-3- Gembloux

Tel: 3281-611169

Fax: 3281-615727

Telex: 59165 CRAGX

Number of graduate staff: 010

Establishment date: 1920

Main research areas: biology, wood technology, tree
improvement, wildlife

Directeur de Station: André Leclercq

**UNIVERSITE CATHOLIQUE DE LOUVAIN, UNITE DES EAUX ET
FORETS**
Place Croix du Sud 2 - Bte 9
1348 Louvain-la Neuve

Tel: 3210-473698

Fax: 3210-473697

Telex: UCL B n° 59037

Number of graduate staff: 012

Establishment date: 1938

Main research areas: silviculture and management, protection,
wood technology, ecology

Responsable de l'Unité: Tomas Avella

**UNIVERSITY OF ANTWERP, DEPARTMENT OF BIOLOGY,
LABORATORY OF PLANT ECOLOGY
U.I.A.**

Universiteitsplain, 1
B-2610 Wilrijk

Tel: 32-3-8202256

Fax: 32-3-8202271

Number of graduate staff: 007

Establishment date: 1974

Main research areas: physiology, tree improvement, environment,
agriculture, ecology, poplar

Professor: I. Impens

**UNIVERSITY OF GENT, LABORATORY OF REMOTE SENSING AND
FOREST MANAGEMENT**

Coupure 653
B9000 Gent

Tel: 32-91-646108

Fax: 32-91-646240

Telex: 12754 RUGENT b

Number of graduate staff: 006

Establishment date: 1984

Main research areas: conservation, desertification, forest
management, forestry, gis, inventory, mensuration, remote
sensing, silviculture and management

Director: Roland Goosens

UNIVERSITY OF GHENT, LABORATORY OF FORESTRY

Geraardsbergse steenweg, 267
9090 Melle-Gontrode

Tel: 3291-522113

Fax: 3291-525466

Telex: 12754 RUGENT B

Number of graduate staff: 010

Establishment date: 1922

Main research areas: silviculture, ecology, forest policy,
afforestation, environment

Professeur-Directeur: Lust Noël

BENIN

UNITE RECHERCHES FORESTIERES

B.P. 06-707

Cotonou

Tel: 229-330662

Fax: 229-330421/300736

Number of graduate staff: 005

Establishment date: 1978

Main research areas: silviculture and management, agroforestry, wood technology, agroforestry, genetic resources

Directeur: Zénabou Yessoufou Yacoubou

BHUTAN

DEPARTMENT OF FORESTRY, RESEARCH DIVISION

Taba

Thimpu

Number of graduate staff: 003

Establishment date: 1987

Main research areas: silviculture and management, afforestation

Head of research: Lungten Norbu

BOTSWANA

FORESTRY ASSOCIATION OF BOTSWANA (FAB)

P.O. Box 2088

Gaborone

Tel: 267-351660

Fax: 267-300316

Number of graduate staff: 005

Establishment date: 1983

Main research areas: silviculture, agroforestry, social forestry, conservation

Research Manager: K. P. Walker

BRAZIL

**AMAZONIA NATIONAL RESEARCH INSTITUTE (INPA), DEPT. OF
TROPICAL SILVICULTURE (CPST)**

CP 478

69.011 Manaus, Amazonas

Tel: 6423300

Fax: 6423440

Telex: 0922269

Number of graduate staff: 017

Establishment date: 1962

**Main research areas: silviculture, forest management, seeds,
soils, environment**

Coordinator: Noeli Paulo Fernando

**AMAZONIA NATIONAL RESEARCH INSTITUTE (INPA), FOREST
PRODUCTS RESEARCH CENTER (CPPF)**

Tel: 92-2369611

Fax: 92-6421706

Telex: 92-2269

Number of graduate staff: 043

Establishment date: 1953

Main research areas: forest products

Secretary of Science and Technology: Eneas Salati

**BRAZILIAN INSTITUTE OF ENVIRONMENT AND RENEWABLE
NATURAL RESOURCE (IBAMA), FOREST PRODUCTS
LABORATORY**

SAIN Av. L4 Norte - lote 04 - CEP: 70.770

Caixa Postal 04424 - CEP: 70.919

Brasilia, DF

Tel: 61-2251182

Fax: 61-2245206

Telex: 61-2120/1711

Number of graduate staff: 028

Establishment date: 1973

**Main research areas: wood processing, wood technology, wood
chemistry, product development**

Chief, Forest Products Laboratory: Marcus Vinicius da Silva Alves

CENTRO NACIONAL PESQUISA DE FLORESTAS (CNPQ), EMBRAPA

Estrada da Ribeira, km 111

Caixa Postal 319

83405-970 Colombo, PR

Tel: 041-3591313

Fax: 041-3592276

Telex: 041-30120

Number of graduate staff: 045

Establishment date: 1984

Main research areas: tree improvement, genetic resources, forest management, ecology, protection, silviculture and management

Chief: Vitor Afonso Hoeflich

CHAMPION PAPEL E CELULOSE LTDA.

Rodovia SP 340 km 171

13840 Mogi Guacu, SP

Tel: 192-618121

Fax: 192-611098

Telex: 191016

Number of graduate staff: 005

Establishment date: 1960

Main research areas: harvesting, forest management, afforestation, biotechnology, genetic resources, nursery, seeds, tree improvement, vegetative propagation

Natural Resource Director: Manoel de Freitas

COMPANHIA AGRICOLA E FLORESTAL SANTA BARBARA

Brasil Avenida 709

Belo Horizonte, MG 30.140

Tel: 2016322

Fax: 2227790

Telex: 3394

Number of graduate staff: 006

Establishment date: 1958

Main research areas: forestry, wood technology

Manager of Research: Paulo Renato de Oliveira Macedo

DURAFLORES S/A

Rua Osvaldo Cruz, 535 - conj. B

Barrio Ponte Sao Joao

13 200 Jundiai, SP

Tel: 55011-4373311

Fax: 55011-7315510

Telex: 011-70205

Number of graduate staff: 012

Establishment date: 1971

Main research areas: tree improvement, biotechnology, biometrics, mechanization, nutrition, forest management, environment

General Manager Development of Technology: Norival Nicolielo

DURAFLORA S/A**Fazenda Monte Alegre****P.O. Box 50****Agudos, São Paulo****Tel: 142-621233****Fax: 142-621593****Telex: 1170226 DURA BR****Number of graduate staff: 014****Establishment date: 1951****Main research areas: tree improvement, biotechnology, soils,
environment, mechanization****Chief of Research: Norival Nicolielo****FLORESTAS RIO DOCE S/A****Rua São Paulo, 351 - 62 andar****30.170 - Belo Horizonte, MG****Tel: 31-2714295****Fax: 31-2010316****Number of graduate staff: 012****Establishment date: 1967****Main research areas: tree improvement, soils, agroforestry,
environment****Programming Department: Tito Flavio da Silva****INSTITUTE OF FORESTRY RESEARCH AND STUDIES (IPEF)****Av. Padua Dias 11****Caixa Postal 530****13400-970 Piracicaba, SP****Tel: 0194-336155****Fax: 0194-336081****Telex: 197881****Number of graduate staff: 007****Establishment date: 1968****Main research areas: tree improvement, agroforestry,
environment, biotechnology, biometrics, forest management,
mechanization, wood technology, nutrition, soils, seeds****Scientific Director: Luiz E. G. Barrichelo**

**IPT S.A. , DIVISION OF FOREST PRODUCTS, TEXTILES & LEATHER
(DPFTC)**

P.O. Box 7141

05508 Sao Paulo, SP

Tel: 5511-0682211 x.515

Fax: 5511-8693353

Telex: 1180934

Cable: TECHNINST

Number of graduate staff: 030

Establishment date: 1899

Main research areas: pulp and paper, wood technology, wood processing

Technical Director: Tiberio Cescon

**KLABIN DO PARANA AGRO-FLORESTAL S.A., CENTRO DE PESQUISA
FLORESTAL**

Fazenda Monte Alegre - LAGOA

84.265 Harmonia - Telemaco Borba, PR

Tel: 422-722502

Fax: 422-722427

Telex: 11-37835 Klabin BR

Number of graduate staff: 006

Establishment date: 1984

Main research areas: plantations, tree improvement, inventory, soils, nutrition, natural forests, wood technology

Research Manager: Paulo Kikuti

**NATIONAL RESEARCH INSTITUTE OF THE AMAZON, PULP AND
CHARCOAL DIVISION**

Alameda Cosme Ferreira, 1756

BP 478

69.083 Manaus, Amazonas

Tel: 922-369400-R-130

Telex: 922209 INPA BR

Number of graduate staff: 004

Establishment date: 1968

Main research areas: pulp and paper, charcoal, wood chemistry

Chief of Research: Antonio de Azevedo Correa

**RESEARCH CENTRE OF ARACRUZ, ARACRUZ FLORESTAL S/A
(CEPAR)****Rua Professor Lobo 1128****Aracruz, ES 29190****Tel: 5527-2561566 x.4194****Fax: 5527-2561881****Telex: 273241 BR****Number of graduate staff: 006****Establishment date: 1972****Main research areas: biotechnology, tree improvement, soils,
nutrition****Forestry Research Manager: Yara Kiemi Ikemori****UNESP, FACULDADE DE CIENCIAS AGRONOMICAS, CURSO DE
ENGENHARIA FLORESTAL****Fazenda Experimental Lageado****Caixa Postal 237****18600 Botucatu, SP****Tel: 149-223883****Telex: 0142107****Number of graduate staff: 102****Establishment date: 1965****Main research areas: forestry, agriculture****Director: Flavio Abranches Pinheiro****UNIVERSITY OF BRASILIA, DEPARTMENT OF FORESTRY****Caixa Postal 15.2877****70.919 Brasilia, DF****Tel: 61-2736026****Fax: 61-2721053****Telex: 2710****Number of graduate staff: 021****Establishment date: 1976****Main research areas: inventory, ecology, wood technology****Professor: Jose Imana****UNIVERSITY OF SAO PAULO, COLLEGE OF AGRICULTURE,
DEPARTMENT OF FOREST SCIENCES****Av. Padua Dias 11****13400 Piracicaba, SP****Tel: 0194-334124/330011****Fax: 0194-336081****Telex: 19.7881 IPEF BR or 191141 BR****Number of graduate staff: 021****Establishment date: 1962****Main research areas: wildlife, physiology, ecology, inventory,
biometrics, afforestation, soils, nutrition, economics, pulp and
paper****Head of Department: Luiz Ernesto George Barrichelo**

BRUNEI DARUSSALAM**MINISTRY OF INDUSTRY & PRIMARY RESOURCES, DEPARTMENT OF FORESTRY, BRUNEI FORESTRY CENTRE****Bandar Seri Begawan 2067****Tel: 673-2-222450/222687****Fax: 673-2-241012****Telex: CONTEL BU 228****Number of graduate staff: 009****Establishment date: 1986****Main research areas: silviculture, ecology, inventory, plantations****Director of Forestry: Morni bin Othman****BULGARIA****FOREST RESEARCH INSTITUTE****132 Kliment Ohridski Blv.****1756 Sofia****Tel: 622961****Number of graduate staff: 070****Establishment date: 1928****Main research areas: forestry, forest products****Director: Alexander H. Alexandrov****HIGHER INSTITUTE OF FORESTRY AND WOOD TECHNOLOGY****10 Kliment Ochridski Blv.****1156 Sofia****Tel: 682830****Fax: 680335****Number of graduate staff: 160****Establishment date: 1925****Rector: Andrey Raychev****RESEARCH STATION FOR FAST GROWING FOREST SPECIES****18 Str. Nove****5250 Svisthov****Tel: 631-22243****Fax: 23546****Number of graduate staff: 007****Establishment date: 1958****Main research areas: tree improvement, protection, poplar, forestry, economics****Directeur: Tzanco Tz**

BURKINA FASO**CENTRE NATIONAL DE SEMENCES FORESTIERES (CNSF)**

01 BP 2682

Ouagadougou 01

Tel: 226-300857/301233

Fax: 226-301232

Telex: 5345 BF

Number of graduate staff: 018

Establishment date: 1983

Main research areas: tree improvement, vegetative propagation, seeds, protection, nursery, pathology, entomology, economics, physiology, symbiotic associations

Director: Laurent Magloire Some

INSTITUT DE RECHERCHE EN BIOLOGIE ET ECOLOGIE TROPICAL (IRBET)

B.P. 7047

Ouagadougou

Tel: 226-307207/334098

Number of graduate staff: 023

Establishment date: 1987

Main research areas: agroforestry, tree improvement, hydrology, entomology, ecology, wood technology, environment, botany, forestry, arboreta, forest products

Director: Jean-Marie Ouadba

BURUNDI**INSTITUTE DES SCIENCES AGRONOMIQUES DU BURUNDI (ISABU),
PROGRAMME RECHERCHE POUR LA PROTECTION DE
L'ENVIRONNEMENT**

B.P. 795

Bujumbura

Tel: 223390

Fax: 225798

Number of graduate staff: 009

Establishment date: 1978

Main research areas: silviculture, agroforestry, watersheds

Responsable de la Recherche: Hervé Duchaufou

CAMEROON

CENTRE UNIVERSITAIRE DE DSCHANG

B.P. 96

Dschang

Tel: 451267

Telex: 7013 KN

Cable: CUDS - DSCHANG

Number of graduate staff: 015

Establishment date: 1979

Main research areas: silviculture, economics, wood technology, hydrology, tree improvement, forest products

Chef de Division de la Recherche et Appui au Développement: Dr. Lyonga

INSTITUT DE LA RECHERCHE AGRONOMIQUE

B.P. 2123

Yaoundé

Tel: 237-232644, 233538

Fax: 237-223022

Telex: 1740 KN

Number of graduate staff: 219

Establishment date: 1980

Main research areas: agriculture, genetic resources

Directeur: Jacob Ayuk-Takem

UNIVERSITE DE YAOUNDE I, FACULTE DE SCIENCES

B.P. 812

Yaoundé

Tel: 237-220955

Fax: 237-235388

Telex: 8384 KN

Number of graduate staff: 005

Establishment date: 1962

Main research areas: ecology, botany, afforestation, non-wood forest products, nursery

Dean: Robert Roux

CANADA

ALBERTA FOREST SERVICE, PROGRAM SUPPORT BRANCH**9920-108 Street****10th Floor Bramalea Building****Edmonton****Alberta T5K 2M4****Tel: 403-4273549****Fax: 403-4270292****Telex: 0373676****Number of graduate staff: 007****Establishment date: 1930****Main research areas: tree improvement, protection, wildlife, forest management, silviculture, mensuration, biotechnology, wood chemistry****Division Research Coordinator: Ted Szabo****ALBERTA RESEARCH COUNCIL, FOREST PRODUCTS PROGRAM****P.O. Box 8330****Edmonton****Alberta T6H 5X2****Tel: 403-4505419****Fax: 403-4505397****Number of graduate staff: 006****Establishment date: 1921****Main research areas: forest products, pulp and paper, wildlife****President: Brian Barge****BRITISH COLUMBIA, MINISTRY OF FORESTS, RESEARCH BRANCH****31 Bastion Square****Victoria****British Columbia V8W 3E7****Tel: 604-3876720****Fax: 604-3870046****Number of graduate staff: 085****Establishment date: 1929****Main research areas: biodiversity, environment, nursery, physiology, seeds, silviculture and management, soils, tree improvement, watersheds****Director: Ted E. Baker**

FOREST ENGINEERING RESEARCH INSTITUTE OF CANADA (FERIC)

143 Place Frontenac
Pointe-Claire
Quebec H9R 4Z7

Tel: 514-6941140

Fax: 514-6944351

Number of graduate staff: 048

Establishment date: 1975

Main research areas: engineering, forest management, harvesting,
operations research, work safety, environment, forestry,
mechanization, silviculture and management

President and Chief Executive officer: Pierre Y. Bourdages

FORESTRY CANADA, FOREST PEST MANAGEMENT INSTITUTE

P.O. Box 490
Sault Ste Marie
Ontario P6A 5M7

Tel: 705-9499461

Fax: 705-7595700

Number of graduate staff: 040

Establishment date: 1977

Main research areas: protection

Director General: E.S. Kondo

FORESTRY CANADA, MARITIMES REGION

P.O. Box 4000
Fredericton
New Brunswick E3B 5P7

Tel: 506-4523500

Fax: 506-4523140

Number of graduate staff: 036

Main research areas: biometeorology, tree improvement,
protection, forest management, environment

Regional Director General: H. Oldham

FORESTRY CANADA, NEWFOUNDLAND AND LABRADOR REGION

Bldg. 304, Pleasantville
P.O. Box 6028
St John's
Newfoundland A1C 5X8

Tel: 709-7726019

Fax: 709-7722576

Number of graduate staff: 018

Establishment date: 1950

Main research areas: environment, protection, economics, forestry

Regional Director General: J. A. Munro

FORESTRY CANADA, NORTHWEST REGION**5320-122 Street****Edmonton****Alberta T6H 3S5****Tel: 403-4357210****Fax: 403-4357359****Number of graduate staff: 055****Establishment date: 1970****Main research areas: protection, inventory, GIS, environment,
economics, forest policy, entomology, hydrology, fire, inventory****Regional Director General: A. D. (Dave) Kill****FORESTRY CANADA, ONTARIO REGION****P.O. Box 490****Sault Ste. Marie****Ontario P6A 5M7****Tel: 705-9499461****Fax: 705-7595700****Number of graduate staff: 050****Establishment date: 1944****Main research areas: forest management, protection,
environment, forest products****Regional Director General: C. H. Winget****FORESTRY CANADA, PACIFIC AND YUKON REGION****506 West Burnside Road****Victoria****British Columbia V8Z 1M5****Tel: 604-3630600****Fax: 604-3630775****Number of graduate staff: 096****Establishment date: 1965****Main research areas: silviculture and management, economics,
remote sensing, protection****Regional Director General: T. J. Drew****FORESTRY CANADA, PETAWAWA NATIONAL FORESTRY INSTITUTE****P.O. Box 2000****Chalk River****Ontario K0J 1J0****Tel: 613-5892880****Fax: 613-5892275****Number of graduate staff: 060****Establishment date: 1918****Main research areas: forest management, biotechnology, fire,
remote sensing, tree improvement, genetic resources, GIS,
inventory, seeds, silviculture and management****Director General: A. B. Case**

FORESTRY CANADA, QUEBEC REGION

1055 rue du P.E.P.S.

P.O. Box 3800

Sainte-Foy

Quebec G1V 4C7

Tel: 418-6487032

Fax: 418-6485849

Number of graduate staff: 035

Establishment date: 1958

Main research areas: biotechnology, entomology, genetic resources, pathology, physiology, remote sensing, silviculture and management, tree improvement

Research Director: Michel Boudoux

FORESTRY CANADA, SCIENCE AND SUSTAINABLE DEVELOPMENT

351 St. Joseph Blvd

Hull

Quebec K1A 1G5

Tel: 613-9971107

Fax: 613-9903437

Number of graduate staff: 037

Main research areas: environment, forest health, marketing

Director General: F. C. Pollett

FORINTEK CANADA CORP

2665 East Mall

Vancouver

British Columbia V6T 1W5

Tel: 604-2243221

Fax: 604-2225690

Number of graduate staff: 065

Establishment date: 1979

Main research areas: forest products, wood technology

President and Chief Executive Officer: Ian de la Roche

LAKEHEAD UNIVERSITY, SCHOOL OF FORESTRY

Thunder Bay

Ontario P7B 5E1

Tel: 807-348117

Fax: 807-3438116

Telex: 073-4594

Number of graduate staff: 030

Establishment date: 1949

Main research areas: silviculture, forest management, pathology, forest policy, GIS, entomology, wood technology, conservation, mensuration, wildlife

Director: John K. Naysmith

**MINISTÈRE DES FORÊTS DU QUÉBEC, DIRECTION DE LA
RECHERCHE****2700, rue Einstein****Sainte-Foy****Québec G1P 3W8****Tel: 418-6437994****Fax: 418-6432165****Telex: 051-31589 SDBCS-QBC****Number of graduate staff: 075****Establishment date: 1967****Main research areas: tree improvement, afforestation, ecology,
natural forests, protection, forestry, nursery, soils, remote
sensing, silviculture****Director: Yvon Martin****ONTARIO MINISTRY OF ENVIRONMENT, PHYTOTOXICOLOGY
SECTION****125 Resources Rd****Weston****Ontario M9P 3T1****Tel: 416-2356250****Fax: 416-2356235****Number of graduate staff: 006****Establishment date: 1968****Main research areas: forest health, agriculture, environment****Section Manager: Ron G. Pearson****UNIVERSITÉ DU QUÉBEC À TROIS-RIVIÈRES, CENTRE DE
RECHERCHE EN PÂTE ET PAPIERS****3351 boul. des Forges****Trois-Rivières****Québec G9A 5H7****Tel: 819-3765075****Fax: 819-3765148****Number of graduate staff: 020****Establishment date: 1970****Main research areas: pulp and paper****Director: H.C. Lavallée**

UNIVERSITE DU QUEBEC, CENTRE MULTIREGIONAL DE**RECHERCHE EN FORESTERIE****531, boulevard des Praires****CP 100 Laval****Québec H7N 4Z3****Tel: 514-6875010****Fax: 514-6865501****Number of graduate staff: 042****Establishment date: 1985****Main research areas: pulp and paper, ecology, protection, forest management****Directeur: Gilles Frisque****UNIVERSITE LAVAL, FACULTE DE FORESTERIE ET DE GEOMATIQUE****Cité Universitaire, Sainte-Foy****Québec G1K 7P4****Tel: 418-6563053****Fax: 418-6563177****Number of graduate staff: 043****Establishment date: 1910****Main research areas: silviculture and management, entomology, forest policy, biotechnology, genetic resources, gis, wood technology, hydrology, pathology, remote sensing****Vice-doyen à la recherche: Pierre Gagnon****UNIVERSITY OF ALBERTA, FACULTY OF AGRICULTURE & FORESTRY,****DEPARTMENT OF FOREST SCIENCE****8-55 General Services Building****Edmonton****Alberta T6G 2H1****Tel: 403-4924413****Fax: 403-4924323****Number of graduate staff: 050****Establishment date: 1920****Main research areas: forest management, genetic resources, land-use policy, ecology, silviculture, wildlife, watersheds, social forestry, biometrics, biodiversity****Chair of Office of Research Services: Bruce Dancik****UNIVERSITY OF BRITISH COLUMBIA, FACULTY OF FORESTRY****270-2357 Main Mall****Vancouver****British Columbia V6T 1Z4****Tel: 604-822-2727****Fax: 604-822-8645****Number of graduate staff: 050****Establishment date: 1915****Main research areas: forest management, forestry, wood technology, forestry****Dean: Clark S. Binkley**

**UNIVERSITY OF BRITISH COLUMBIA, FACULTY OF FORESTRY,
CENTRE FOR APPLIED CONSERVATION OF BIOLOGY**
2357 Main Mall
Vancouver
British Columbia V6T 1Z4
Tel: 604-8225724
Fax: 604-8229102
Number of graduate staff: 008
Main research areas: biodiversity, conservation, ecology,
environment, genetic resources, GIS, land-use policy, natural
forests, silviculture and management, wildlife
Director: F. L. Bunnell

UNIVERSITY OF NEW BRUNSWICK, FACULTY OF FORESTRY
Bag Service #44555
Fredericton
New Brunswick E3B 6C2
Tel: 506-4534501
Fax: 506-4533538
Number of graduate staff: 033
Establishment date: 1908
Main research areas: engineering, forestry
Dean of Forestry: I. R. Methven

**UNIVERSITY OF NEW BRUNSWICK, WOOD SCIENCE & TECHNOLOGY
CENTRE**
RR10, Hugh John Flemming Forestry Centre
Fredericton
New Brunswick E3B 6H6
Tel: 506-4534507
Fax: 506-4533574
Number of graduate staff: 006
Establishment date: 1988
Main research areas: wood technology, product development
Director: Ian Smith

UNIVERSITY OF TORONTO, FACULTY OF FORESTRY
33 Willcocks St.
Toronto
Ontario M5S 3B3
Tel: 416-9785480
Fax: 416-9783834
Number of graduate staff: 020
Establishment date: 1907
Main research areas: physiology, tree improvement, nutrition,
pests, forest management, wood technology
Assistant Dean, Research: David C.F. Fayle

CHILE

BIOFOREST

Edificio Prales, Of.410

Casilla 347

Valdivia

Tel: 56-063-213801/212780

Fax: 56-063-215474

Number of graduate staff: 013

Main research areas: genetic resources, pathology, pests

Director: Eduardo R. Treskow

CORPORACION NACIONAL FORESTAL

Avenida Bulnes 285, Of. 501

Santiago de Chile

Tel: 56-2-6991257/6966677

Fax: 5602-6715881

Telex: 240001 CONAF CL

Number of graduate staff: 060

Establishment date: 1972

Main research areas: natural forests, protection, wildlife,
nursery, forest health, land-use policy

Director Ejecutivo: Juan Moyac

INSTITUTO FORESTAL

Huerfanos 554

Santiago de Chile

Tel: 56-2-6396189/6397911

Fax: 56-2-63812186

Number of graduate staff: 040

Establishment date: 1965

Main research areas: silviculture, forest products, inventory,
marketing, environment, forest management

Director Ejecutivo: Tomás Balaguer Q.

**UNIVERSIDAD AUSTRAL DE CHILE, FACULTAD DE CIENCIAS
FORESTALES**

Casilla 853

Valdivia

Tel: 63-213911 x.1227

Fax: 63-212953

Number of graduate staff: 030

Establishment date: 1954

Main research areas: silviculture, economics, wood technology

Prodecano: Juan Schlatter

UNIVERSIDAD DE CHILE, FACULTAD DE CIENCIAS AGRARIAS Y FORESTALES, ESCUELA DE CIENCIAS FORESTALES**Casilla 9206****Santiago de Chile****Tel: 5587042****Fax: 56-2-5587635****Number of graduate staff: 037****Establishment date: 1952****Main research areas: silviculture and management, wood technology****Director: Jorge Gilchrist Moreno****UNIVERSIDAD DE CONCEPCION, FACULTAD DE INGENIERIA, LABORATORIO DE PRODUCTOS FORESTALES****Casilla 53-C, Correo 3****Concepcion****Tel: 56-041-234985 x.2137/2762****Telex: 260004 TEJCO CL****Number of graduate staff: 045****Establishment date: 1960****Main research areas: wood chemistry, wood technology, wood processing****Chief of Laboratory: Claudio Zaror****UNIVERSIDAD DE TALCA, ESCUELA DE INGENIERIA FORESTAL****Casilla 721****Talca****Tel: 56-071-226371/227224****Fax: 56-071-226371****Number of graduate staff: 021****Establishment date: 1982****Main research areas: silviculture and management, wood technology****Director: Norman Smith Vivallo****CHINA****ACADEMIA SINICA, INSTITUTE OF DESERT RESEARCH****174 Donggang West Road****Lanzhou****Tel: 26725****Telex: 72149 ICERO CN****Cable: 3097 Lanzhou****Number of graduate staff: 238****Establishment date: 1978****Main research areas: afforestation, social forestry, desertification****Director-General: Zhu Zhenda**

ANHUI PROVINCE FOREST, BIOLOGICAL CONTROL CENTRE

Shu Shan Rd. 132

Hefei city 230031

Tel: 333725/335795

Number of graduate staff: 033

Main research areas: entomology

Director: Zhou Jian Sheuug

**CHINESE ACADEMY OF FORESTRY, CENTRE OF EVALUATING
EFFECTS ON ENVIRONMENTS**

Wan Shou Shan

Beijing 100091

Number of graduate staff: 019

Establishment date: 1985

Main research areas: environment

Director: Li Huixian

**CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF
CHEMICAL PROCESSING AND UTILIZATION OF FOREST
PRODUCTS**

Shao Shan Road

Nanjing, Jiangsu Province

Number of graduate staff: 261

Establishment date: 1960

Director: Zhang Zhonghe

**CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF
FOREST RESOURCE INFORMATION TECHNIQUES**

Wan Shou Shan

Beijing, 100091

Number of graduate staff: 064

Establishment date: 1984

Main research areas: remote sensing, forest management

Director: Xu Guanhua

**CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF
FOREST RESOURCE INSECTS**

Jingdong

Yunnan Province

Number of graduate staff: 039

Establishment date: 1962

Main research areas: entomology

Director: Hou Kaiwei

CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF FORESTRY

Wan Shou Shan

Beijing

Tel: 2582211-614

Fax: 2582317

Cable: 0161

Number of graduate staff: 239

Establishment date: 1953

Main research areas: tree improvement, protection, biotechnology, botany, seeds, silviculture

Director: Wang Shiji

CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF FORESTRY ECONOMICS

Building 17, Sheng Gu Nan Li

Beijing 100029

Tel: 4210476

Cable: 6085

Number of graduate staff: 042

Establishment date: 1960

Main research areas: forest management, economics, forest policy

Director: Jin Xi-Zhu

CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF SCIENTIFIC AND TECHNOLOGICAL INFORMATION

Wan Shou Shan

Beijing 100091

Tel: 2582211 x. 725

Fax: 861-2582317

Cable: 0161

Number of graduate staff: 100

Establishment date: 1958

Main research areas: forestry, social forestry, forest policy

Director: Hou Yuanzhao

CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF TROPICAL FORESTRY

Long Dong

Guangzhou 510520

Tel: 705646

Cable: Guangzhou 4163

Number of graduate staff: 071

Establishment date: 1962

Main research areas: ecology, fuelwood, silviculture, tree improvement, agroforestry, biotechnology, conservation

Director: Bai Jiayu

**CHINESE ACADEMY OF FORESTRY, RESEARCH INSTITUTE OF
WOOD INDUSTRY****Wan Shou Shan****Beijing 100091****Tel: 2582211 x.412****Fax: 2581937****Cable: Beijing 0161****Number of graduate staff: 167****Establishment date: 1957****Main research areas: wood technology, wood processing, product
development, wood chemistry, forest products, engineering,
operations research, biotechnology, marketing, mechanization****Director: He Naizhang****CHINESE ACADEMY OF FORESTRY, SUBTROPICAL FORESTRY
RESEARCH INSTITUTE****Fuyang****Zhejiang****Tel: 23994****Cable: 0120****Number of graduate staff: 090****Establishment date: 1964****Main research areas: silviculture, tree improvement, protection,
soils, physiology, botany, landscape architecture****Director: Chen Yitai****CHINESE ACADEMY OF SCIENCES, INSTITUTE OF APPLIED
ECOLOGY****P.O. Box 417****Shenyang****Tel: 8624-383401****Fax: 8624-391320****Telex: 80095 IMRAS CN****Cable: SHENYANG 0960****Number of graduate staff: 598****Establishment date: 1954****Main research areas: afforestation, ecology, natural forests,
botany, plantations****Director Prof. Shen Shanmin**

**FORESTRY RESEARCH INSTITUTE OF GUANGXI ZHUANG
AUTONOMOUS REGION**

23 Yong Wu Road

530001 Nanning

Guangxi

Tel: 0771-21593

Cable: 1199

Number of graduate staff: 112

Establishment date: 1956

Main research areas: silviculture, physiology, ecology, protection,
forest products, arboreta, mechanization, chemical products,
eucalyptus, non-wood forest products, physiology

Director: Yi Shijia

**RESEARCH INSTITUTE OF FOREST SCIENCE OF SHAANXI
PROVINCE**

Yongling Station

Shaanxi Province

Tel: 92972351

Fax: 92972509

Telex: 5810

Cable: 712100

Number of graduate staff: 126

Establishment date: 1958

Main research areas: protection, forest health, tree improvement,
silviculture and management

Chief of Research: Fu Yuqin

SHANGHAI WOOD INDUSTRY RESEARCH INSTITUTE (SWIRI)

667 Zhongshan Road (West)

Shanghai 200051

Tel: 2412200/2412266

Fax: 021-2412266

Cable: 0523 Shanghai

Number of graduate staff: 056

Establishment date: 1978

Main research areas: wood technology, wood processing, product
development, wood chemistry, mechanization, forest products

Director: Ma Xin

SICHUAN RESEARCH INSTITUTE OF FORESTRY**344 Jinhua Street****Chengdu****Sichuan 610081****Tel: 28-336877****Cable: 7897 Chengdu****Number of graduate staff: 212****Establishment date: 1958****Main research areas: silviculture, tree improvement, botany,
ecology, protection, wood processing, engineering****Director: He Zhongmin****TAIWAN PROVINCE OF CHINA****NATIONAL CHIAYI INSTITUTE OF AGRICULTURE, DEPARTMENT OF
FORESTRY****84 Hon-Mao Bei****Lu-Liao Li****Chiayi****Tel: (5) 2775630****Number of graduate staff: 030****Establishment date: 1919****Department Head: Yiren Wang****NATIONAL TAIWAN UNIVERSITY, DEPARTMENT OF FORESTRY, THE
CHINESE FORESTRY ASSOCIATION****Tel: 3629736****Number of graduate staff: 500****Establishment date: 1967****Main research areas: forestry****Director: Pao-chang Kuo****NATIONAL TAIWAN UNIVERSITY, THE EXPERIMENTAL FOREST****No. 12 Chien-Shan Rd.****Chu-Shan****Nan-Tou Hsien****Tel: 88649-642181****Fax: 88649-641184****Number of graduate staff: 075****Establishment date: 1949****Main research areas: silviculture and management, tree
improvement, afforestation, arboreta, forest management, forest
policy, forest products, forestry, gis, nursery****Director: Nathan Gung-Nai Yao**

TAIWAN FORESTRY RESEARCH INSTITUTE**53 Nan-Hai Road****Taipei****Taiwan 100****Tel: (8862) 3817107****Fax: (8862) 3142234****Number of graduate staff: 097****Establishment date: 1895****Main research areas: biology, silviculture and management,
economics, protection, watersheds, forest products****Director: Jenq-Chuan Yang****COLOMBIA****CORPORACION AUTONOMA REGIONAL DEL CAUCA (CVC)****Carrera 56 # 11-36****Cali****Valle****Tel: 396671****Fax: 304080, 393431****Telex: 55700 CVC CO****Number of graduate staff: 002****Establishment date: 1955****Main research areas: silviculture, agroforestry, symbiotic
associations, watersheds****Jefe Programa Fomento Forestal: Francisco Castaño Nieto****CORPORACION NACIONAL DE INVESTIGACION Y FOMENTO
FORESTAL (CONIF)****Carrera 50 N. 27-70****Modulo 1 Nivel 5****Apartado Aereo 091676****Santafé de Bogotá****Tel: 57-1-2213473****Fax: 57-1-218624****Number of graduate staff: 011****Establishment date: 1974****Main research areas: silviculture, agroforestry, plantations,****Director: Gonzalo de las Salas**

**INSTITUTO NACIONAL DE LOS RECURSOS NATURALES
RENOVABLES Y DEL AMBIENTE (INDERENA)****Apartado Aéreo 13458****Santa Fé de Bogotá, D.C.****Tel: 91-2433776****Fax: 2833458/2868643****Telex: 44428 INDE.CO****Number of graduate staff: 100****Establishment date: 1969****Main research areas: afforestation, conservation, ecology,
environment, forest management, forest policy, forest statistics,
inventory, natural forests, plantations****Director: Manuel Rodríguez Becerra****REFORESTADORA SAN SEBASTIAN RESS S.A.****Apartado Aéreo 869****Calle 15 26A-40 Soledad (Allantico)****Barranquilla****Tel: 422583****Fax: 422464****Telex: 33315****Cable: RESS****Number of graduate staff: 002****Establishment date: 1980****Main research areas: tree improvement, soils, silviculture,
plantations****Jefe de Departamento Técnico: Iván Esquivel Di Filippo****SMURFIT CARTON DE COLOMBIA****Apartado Aéreo 6574****Cali****Tel: 5723-694062****Fax: 5723-694073****Number of graduate staff: 009****Establishment date: 1947****Main research areas: silviculture and management, wood
technology, vegetative propagation, pulp and paper****Gerente, Investigación Forestal: J.A. Wright****UNIVERSIDAD NACIONAL DE COLOMBIA, SECCIONAL DE MEDILLIN,
DEPARTAMENTO DE CIENCIAS FORESTALES****Autopista Norte Cra 64****Calle 65, Apartado Aéreo 568****Medillin****Tel: 2307079/2300120****Number of graduate staff: 020****Establishment date: 1951****Main research areas: silviculture and management, protection,
afforestation, forest policy, watersheds****Director: Luis Alberto Blandón Montes**

COSTA RICA

**CENTRO DE INVESTIGACION EN INTEGRACION BOSQUE INDUSTRIA
(CIIBI)****Apartado 159****7050 Cartago****Tel: 506-515333****Fax: 506-515348****Telex: 8013 ITCCR****Establishment date: 1991****Main research areas: protection, silviculture and management, biometrics, operations research, seeds, genetic resources, wood processing, wood technology, product development, natural forests****Coordinator: Olman Murillo Gamboa****UNIVERSIDAD NACIONAL, ESCUELA DE CIENCIAS AMBIENTALES****Apartado 86.3000 Heredia****Tel: 506-376363 x.2291****Fax: 506-377036****Telex: 7550 UNAVI CR****Number of graduate staff: 040****Establishment date: 1973****Main research areas: forestry, ecology, biodiversity, genetic resources****Coordinador de Investigación: Maria del Rosario Alfano**

COTE D'IVOIRE

INSTITUT DES FORETS, DEPARTEMENT FORESTERIE**08 BP 33****Abidjan 08****Tel: 225-442858/442859****Fax: 225-226985****Telex: 22167****Number of graduate staff: 022****Establishment date: 1962****Main research areas: forestry, agroforestry, biometrics, forest management, genetic resources, entomology, silviculture and management, tree improvement, environment, energy, seeds****Directeur: Balle Pity**

CROATIA

FOREST RESEARCH INSTITUTE JASTREBARSKO

Cvjetno Naselje 41

41420 Jastrebarsko

Tel: 3841-831022

Telex: 3841-831493

Number of graduate staff: 035

Establishment date: 1945

Main research areas: forestry

Director: Joso Gracan

UNIVERSITY OF ZAGREB, FACULTY OF FORESTRY

P.O. Box 178

41000 Zagreb

Tel: 3841-218288

Fax: 3841-218616

Number of graduate staff: 096

Establishment date: 1860

Main research areas: forestry, wood technology

Dean: Sime Mestrovic

CYPRUS

MINISTRY OF AGRICULTURE AND NATURAL RESOURCES,
FORESTRY DEPARTMENT, RESEARCH DIVISION

Nicosia

Tel: 2-304335

Fax: 2-451419

Telex: 4660

Number of graduate staff: 003

Establishment date: 1954

Main research areas: seeds, vegetative propagation, tree
improvement, silviculture

Head of Research: Marcos Daniel

CZECH REPUBLIC

FOREST AND GAME MANAGEMENT RESEARCH INSTITUTE

Jiloviste - Strnady

156 04 Praha 516

Tel: 0042-2-591612-7

Fax: 0042-2-591413

Number of graduate staff: 104

Establishment date: 1921

Main research areas: forest policy, ecology, nursery, protection,
wildlife, genetic resources, biotechnology, seeds, silviculture and
management, tree improvement, physiology, poplar

Director: Karel Vancura

UNIVERSITY OF AGRICULTURE, BRNO, FACULTY OF FORESTRY**Zemědělská 3****61300 Brno****Tel: 425-5164****Fax: 425-676737****Telex: 62489****Number of graduate staff: 100****Establishment date: 1919****Main research areas: vegetative propagation, ecology, economics, harvesting, wildlife, forest health, wood processing, wood technology, silviculture and management****Dean: Frantisek Dousek****DENMARK****DANIDA FOREST SEED CENTRE****Krogerupvej 3A****3050 Humlebaek****Tel: 4542-190500****Fax: 4542-160258****Telex: 16600 FOTEX DK****Cable: FORESTSEED****Number of graduate staff: 010****Establishment date: 1969****Main research areas: seeds, tree improvement, genetic resources****Director: Bjerne Ditlevsen****DANISH FOREST AND LANDSCAPE RESEARCH INSTITUTE****Skovbrynet 16****DK-2800 Lyngby****Tel: 4545-931200****Fax: 4545-934849****Number of graduate staff: 040****Establishment date: 1901****Main research areas: forestry, mechanization, silviculture and management, protection, tree improvement, conservation, soils, land-use policy, ecology, landscape architecture****Director: Niels Eilers Koch****DANISH LAND DEVELOPMENT SERVICE****Klostermarken 12****P.O. Box 110****DK-8800 Viborg****Tel: 4586-676111****Fax: 4586-675101****Telex: 66228 DANLA DK****Number of graduate staff: 004****Main research areas: nutrition, tree improvement****Head of Forestry Research: Jan Thorn Clausen**

**THE ROYAL VETERINARY AND AGRICULTURAL UNIVERSITY,
INSTITUTE OF BOTANY, DENDROLOGY AND FOREST GENETICS,
ARBORETUM**

Kirkegaardsvej 3a
DK 2970 Hörsholm

Tel: 4542-860641

Fax: 4542-860774

Number of graduate staff: 008

Establishment date: 1936

Main research areas: botany, ecology, tree improvement

Director: Søren Ødum

UNIT OF FORESTRY

Thorvaldsensvej 57
DK 1871 Frederiksberg C

Tel: 45-31357833

Number of graduate staff: 022

Main research areas: silviculture and management, economics,
ecology, forest policy, forest products, wood technology

Dean: P. O. Olesen

ECUADOR

**CORPORACION DE DESARROLLO PARA EL SECTOR FORESTAL Y
MADERERO DEL ECUADOR (CORMADERA)**

Via Quito - Puenbo, Km 22
P.O. Box 17-210152
Puenbo

Tel: 5932-390296/390298

Fax: 5932-439559

Number of graduate staff: 012

Establishment date: 1988

Main research areas: biotechnology, silviculture, forest products,
wood technology, economics, product development

Presidente Ejecutivo: Alberto Robalino F.

EMPRESA DE DESARROLLO FORESTAL C.E.M. (EMDEFOR)

La Argentino 3858
P.O. BOX 363

Tel: 5932-962430/963068

Number of graduate staff: 007

Establishment date: 1980

Main research areas: plantations, nursery

Jefe del Vivero: Arturo Vilo

EGYPT

ALEXANDRIA UNIVERSITY, FACULTY OF AGRICULTURE, FORESTRY &
WOOD TECHNOLOGY DEPARTMENTAfiaton str., el Shatby
Alexandria

Tel: 5971960

Fax: 5972780

Telex: 54467 UNIVY UN

Number of graduate staff: 011

Establishment date: 1952

Main research areas: plantations, environment, agroforestry,
desertification, product development, energy

Director: T.A.Omran

ESTONIA

ESTONIAN INSTITUTE OF FOREST RESEARCH AND NATURE
PROTECTION

EE2400 Tartu

Rõõmu tee 2

Tel: 01434-36381/36375

Number of graduate staff: 030

Establishment date: 1969

Main research areas: forest management, soils, ecology,
conservation, silviculture, tree improvement, forestry, protection,
inventory, wildlife

Director: Kalle Karoles

ETHIOPIA

FORESTRY RESEARCH CENTRE

P.O. Box 30708

Addis Ababa

Tel: 251-1-182982

Fax: 613329

Telex: 21216 FAOA ET

Number of graduate staff: 014

Establishment date: 1975

Main research areas: silviculture, agroforestry, forest
management, economics

Head of Research: Aklog Laike

WOOD UTILIZATION AND RESEARCH CENTRE (WUAR)**P.O. Box 2322****Addis Ababa****Tel: 00251-1-164638/167250****Number of graduate staff: 007****Establishment date: 1978****Main research areas: wood technology, wood processing****Head of Research: Melaku Abegaz****FIJI****FORESTRY DEPARTMENT, SILVICULTURAL RESEARCH DIVISION****P.O. Box 2218****Suva****Tel: 322311****Number of graduate staff: 003****Establishment date: 1939****Main research areas: silviculture and management, tree improvement, protection****Principal Silviculturist: L.R. Jiko****FORESTRY DEPARTMENT, UTILIZATION DIVISION****P.O. Box 2218****Suva****Tel: 679-393611****Fax: 679-301595****Number of graduate staff: 002****Establishment date: 1968****Main research areas: wood processing****Acting Principal Utilization Officer: Sairusi Bulai****FINLAND****FINNISH FOREST RESEARCH INSTITUTE****Unioninkatu 40A****SF-00170 Helsinki****Tel: 3580-857051****Fax: 3580-625308****Telex: 121286****Number of graduate staff: 230****Establishment date: 1918****Main research areas: soils, silviculture, tree improvement, protection, inventory, economics, forestry****Director-General: Eljas Pohtila**

FINNISH PULP AND PAPER RESEARCH INSTITUTE (KLC)**Tekniikantie 2****P.O. Box 70****SF-02151 Espoo****Tel: 3580-43711****Fax: 3580-464305****Telex: 1001522 KCL SF****Number of graduate staff: 100****Establishment date: 1916****Main research areas: pulp and paper****Managing Director: Bo Mannstrom****FOUNDATION FOR FOREST TREE BREEDING****Viljatie 4 A 5****SF-00700 Helsinki****Tel: 3580-359022****Fax: 3580-359720****Number of graduate staff: 014****Establishment date: 1947****Main research areas: tree improvement, genetic resources,
nursery****Managing Director: Antti Isoaho****HELSINKI UNIVERSITY OF TECHNOLOGY, DEPARTMENT OF FOREST
PRODUCTS TECHNOLOGY****Vuorimiehentie 1****SF-02150 Espoo****Tel: 3580-4511****Fax: 3580-4514259****Telex: 125 161 HTKK SF****Number of graduate staff: 040****Main research areas: pulp and paper, environment, forest
products, wood processing, wood chemistry****Head of Department: Johan Gullichsen****PELLERVO ECONOMIC RESEARCH INSTITUTION****Revontulentie 8****00210 Espoo****Tel: 461344****Fax: 463041****Number of graduate staff: 002****Establishment date: 1979****Main research areas: forestry, forest policy, economics****Director: Pertti Kukkonen**

**TECHNICAL RESEARCH CENTRE OF FINLAND (VTT), FOREST
PRODUCTS LABORATORY****P.O. Box 207 (Puumiehenkuja 2A)****SF-02151 Espoo****Tel: 358-0-4561****Fax: 358-0-467607****Telex: 122972 VTTHA SF****Number of graduate staff: 045****Establishment date: 1979****Main research areas: wood technology, forest products****Laboratory Director: Tuija Vihavainen****UNIVERSITY OF HELSINKI, DEPARTMENT OF FOREST ECOLOGY****Unioninkatu 40B****00170 Helsinki****Tel: 3580-1911****Fax: 3580-1917605****Telex: 125181 HYFOR SF****Number of graduate staff: 025****Establishment date: 1908****Professor: Matti Leikola****UNIVERSITY OF HELSINKI, DEPARTMENT OF FOREST
MENSURATION AND MANAGEMENT****Unioninkatu 40 B****00170 Helsinki****Tel: 3580-1917662****Fax: 3580-1917755****Number of graduate staff: 008****Establishment date: 1926****Main research areas: inventory, remote sensing****Chairman: Simo Poso****UNIVERSITY OF JOENSUU, FACULTY OF FORESTRY****P.O. Box 111****SF-80101 Joensuu****Tel: 35873-1511****Fax: 35873-1513590****Telex: 46183 JOY SF****Number of graduate staff: 040****Establishment date: 1982****Main research areas: silviculture and management, soils, energy,
mensuration, economics, forest health, forest management****Dean: Risto Paivinen**

UNIVERSITY OF OULU, OULANKA BIOLOGICAL STATION**SF-90570 Oulu****Tel: 35889-353172****Fax: 35889-46119****Number of graduate staff: 002****Establishment date: 1967****Main research areas: ecology, biology, environment****Director: Juha Viramo****WORK EFFICIENCY INSTITUTE, FORESTRY DEPARTMENT****P.O. Box 28****SF-00211 Helsinki****Tel: 90-6922445****Fax: 6922084****Number of graduate staff: 011****Establishment date: 1942****Main research areas: fuelwood, forestry****Head of Department: Jouko Makela****FRANCE****ASSOCIATION FORET CELLULOSE (AFOCEL)****164 Boulevard Haussmann****75008 Paris****Tel: 45624834****Fax: 45620498****Number of graduate staff: 027****Establishment date: 1962****Main research areas: biotechnology, tree improvement,
plantations, seeds****Directeur des Recherches: Claire Hubert****ASSOCIATION POUR LA RATIONALISATION ET LA MECANISATION
DE L'EXPLOITATION FORESTIERE (ARMEF)****30 Boulevard Foch****F-77300 Fontainebleau****Tel: (331) 64234500****Fax: (331) 64228887****Number of graduate staff: 010****Establishment date: 1965****Main research areas: mechanization, forest products****Directeur: Hubert Petit**

**CENTRE DE COOPERATION INTERNATIONALE EN RECHERCHE
AGRONOMIQUE POUR LE DEVELOPPEMENT, FORESTRY
DEPARTMENT (CIRAD-FORET)**

**45 bis, Avenue de la Belle Gabrielle
94736 Nogent-sur-Marne Cédex**

Tel: 331-43944300

Fax: 331-43944329

Telex: CETEFO 244653 F

Cable: CETEFO

Number of graduate staff: 120

Establishment date: 1950

**Main research areas: silviculture and management, tree
improvement, agroforestry, protection, wood technology, wood
chemistry**

Directeur: J.M. Dubois

**CENTRE NATIONAL DU MACHINISME AGRICOLE, DU GENIE RURAL,
DES EAUX ET DES FORETS (CEMAGREF)**

Parc de Tourvois

92160 Antony

Tel: 40966121

Fax: 40966134

Telex: 204565 F

Number of graduate staff: 030

Establishment date: 1981

**Main research areas: tree improvement, mechanization, ecology,
forest management, environment**

Chef de Département Forêts: Jean François Lacaze

**ECOLE NATIONALE SUPERIEURE DES MINES DE PARIS, CENTRE
D'ECONOMIE DES RESSOURCES NATURELLES**

60 boulevard St. Michel

75272 Paris Cédex 06

Tel: 40519173

Fax: 44071046

Number of graduate staff: 012

Main research areas: economics

Directeur de Recherche: François Leveque

INRA, DEPARTMENT DES RECHERCHES FORESTIERES

Avenue Antonio Vivaldi

84000 Avignon

Tel: 90 89 33 25

Fax: 90 89 98 73

Tlx: 432870

Chef de département: Y. Birot

INRA, DEPARTEMENT DES RECHERCHES FORESTIERES**CENTRE DE RECHERCHES D'AVIGNON****Avenue Antonio Vivaldi****84000 Avignon****Tel: 90 89 33 25****Fax: 90 89 98 73****Tlx: 432870****Number of graduate staff: 019****Establishment date:****Main research areas: fire, tree improvement, silviculture, ecophysiology, zoology****Directeur:****INRA, DEPARTEMENT DES RECHERCHES FORESTIERES****CENTRE DE RECHERCHE DE NANCY****Champenoux****54280 Seichamps****Tel: 83 39 40 55****Fax: 83 39 40 69****Tlx: 960458****Number of graduate staff: 059****Establishment date:****Main research areas: silviculture, biometeorology, ecophysiology, pathology, wood technology, wood quality, soils, microbiology, nutrition, seeds, genetic resources, botany, tree improvement, nursery, arboretum****Directeur:****INRA, DEPARTEMENT DES RECHERCHES FORESTIERES****CENTRE DE RECHERCHES D'ORLEANS****Ardon****45160 Olivet****Tel: 38 41 78 00****Fax: 38 41 78 79****Tlx: 760359****Number of graduate staff: 034****Establishment date:****Main research areas: silviculture, tree improvement, physiology, vegetative, propagation, biotechnology, zoology, pathology, pests, nursery,****Directeur:**

INRA, DEPARTEMENT DES RECHERCHES FORESTIERES**CENTRE DE RECHERCHES DE BORDEAUX****Domain de l'Hermitage Pierroton****33610 Cestas****Tel: 56 68 03 03****Fax: 56 68 02 23****Tlx: 571989****Number of graduate staff: 033****Establishment date:****Main research areas: tree improvement, silviculture, ecophysiology, nutrition, entomologie****Directeur:****INRA, DEPARTEMENT DES RECHERCHES FORESTIERES****CENTRE DE RECHERCHES ANTILLES-GUYANE****Avenue de France****BP 709****97387 Kourou Cedex****Tel: 594 32 13 10****Fax: 594 32 23 18****Tlx: 910644****Number of graduate staff: 003****Establishment date:****Main research areas: silviculture and management, ecophysiology, tree-improvement****Directeur: R. Huc****INSTITUT NATIONAL AGRONOMIQUE PARIS-GRIGNON(INA-PG),****CENTRE DE BIOTECHNOLOGIES AGRO-INDUSTRIELLES,****LABORATOIRE DE CHIMIE BIOLOGIQUE (INRA)****Centre de Grignon****78850 Thiverval-Grignon****Tel: 33-1-30815464****Fax: 33-1-30815457****Number of graduate staff: 007****Establishment date: 1875****Main research areas: biotechnology, wood chemistry, biodiversity, eucalyptus, poplar, multi-purpose trees****Directeur de Recherche: Bernard Montres**

**UNIVERSITE DE NANCY, ECOLE SUPERIEURE DES SCIENCES ET
TECHNOLOGIES DES INDUSTRIES DU BOIS (ESSTIB)****B.P. 239****54506 Vandœuvre Les Nancy Cédex****Tel: 33-83-912095****Fax: 33-83-912102****Telex: 960646 F****Number of graduate staff: 015****Establishment date: 1980****Main research areas: mechanization, wood processing, wood
technology****Directeur: X. Deglise****UNIVERSITE DE NANCY, FACULTE DES SCIENCES, LABORATOIRE
DE BIOLOGIE DES LEGNEUX****B.P. 239****54506 Vandœuvre Les Nancy Cédex****Tel: 83-912000****Fax: 83-903277****Telex: 960646 F****Number of graduate staff: 005****Main research areas: symbiotic associations, biotechnology****Professeur: J. Dexheimer****UNIVERSITE PAUL SABATIER, LABORATOIRE BOTANIQUE ET
FORESTIER****39 allées Jules Guesde****31062 Toulouse Cédex****Tel: 61-530235****Number of graduate staff: 007****Main research areas: pathology, botany****Professeur: Guy Durrieu****GABON****INSTITUT DE RECHERCHES AGRONOMIQUES ET FORESTIERES
(IRAF)****B.P. 2246****Libreville****Tel: 732565****Number of graduate staff: 009****Establishment date: 1977****Main research areas: agriculture, forestry, silviculture and
management****Directeur: Jean Bernard Moutsinga**

GERMANY

BAYER. FORSTL. VERSUCHS- UND FORSCHUNGSANSTALT (FVA)**Hohenbachenstr. 20****8050 Freising****Tel: 8161-714881****Fax: 8161-714904****Number of graduate staff: 047****Establishment date: 1979****Main research areas: forestry, seeds, pathology, protection, economics****Director: Robert Holzapfl****BAYER. LANDESANSTALT FUR FORSTL.SAAT UND PFLANZENZUCHT****Forstamtsplatz 1****D 8221 Teisendorf****Tel: 8666-7611****Fax: 8666-6534****Number of graduate staff: 005****Establishment date: 1964****Main research areas: tree improvement, genetic resources, nursery, seeds****Forstdirektor: Albrecht Behm****BOSCH AND PARTNER, GMBH****Mooseurach 6****8197 Koenigsdorf****Tel: 8179-1292****Fax: 8179-232****Number of graduate staff: 007****Establishment date: 1986****Main research areas: ecology, soils, landscape architecture, watersheds****Chairmen: Christof Bosch, Johann Köppel****BUNDESANSTALT FUER MATERIALFORSCHUNG- UND PRUEFUNG****Unter den Eichen 87****D-1000 Berlin 45****Tel: 30-81041****Fax: 30-8112029****Telex: 181261 BAMB D****Number of graduate staff: 850****Establishment date: 1871****Main research areas: wood technology, wood processing, wood chemistry****President: G.W. Becker**

**DRESDEN UNIVERSITY OF TECHNOLOGY, FACULTY OF CIVIL
ENGINEERING, WATER MANAGEMENT AND FORESTRY,
DEPARTMENT OF FORESTRY
D-8223 Tharandt**

Tel: 035203-6231

Fax: 035203-8411

Telex: 035203-26424

Number of graduate staff: 090

Establishment date: 1811

**Main research areas: environment, forest health, ecology, wood
technology, soils, physiology, conservation**

Head of Department: Otfried Blossfeld

FACHHOCHSCHULE FUER FORSTWIRTSCHAFT

Schadenweilerhof

D-4507 Rottenburg

Tel: 7472-8049

Fax: 7472-42483

Number of graduate staff: 013

Establishment date: 1954

Main research areas: silviculture, economics, forestry

Rektor: Gerhard Schaefer

**FEDERAL RESEARCH CENTRE FOR FORESTRY AND FOREST
PRODUCTS**

Leuschnerstrasse 91

D-2050 Hamburg 80

Tel: 40-739621

Fax: 40-73962-480

Number of graduate staff: 057

Establishment date: 1939

Main research areas: forestry, forest products

Director: C. Thoroe

**FEDERAL RESEARCH CENTRE FOR FORESTRY AND FOREST
PRODUCTS, INSTITUTE OF FOREST GENETICS**

Siekerlandstrasse 2

D-2070 Grosshansdorf

Tel: 494102-61079

Fax: 494102-62981

Telex: 403826 BFH

Number of graduate staff: 007

Establishment date: 1948

Main research areas: ecology, genetic resources

Director: Hans-J. Muhs

FOREST RESEARCH INSTITUTE

6751 Trippstadt
Schloss

Tel: 6306-8311

Fax: 6306-2821

Number of graduate staff: 012

Establishment date: 1984

Main research areas: tree improvement, genetic resources,
biometeorology, forest health, ecology, forest products,
mensuration, silviculture and management, operations research
Director: Axel Roeder

FOREST RESEARCH INSTITUTE BADEN-WUERTTEMBERG

Wonnhaldestrasse 4
D-7800 Freiburg

Tel: 49761- 40180

Fax: 49761- 4018333

Number of graduate staff: 040

Establishment date: 1958

Main research areas: silviculture, botany, soils, protection,
ecology, economics, harvesting, mensuration, forest health,
biometrics

Director of Research: Hans-Ulrich Moosmayer

FORSTLICHE VERSUCHSANSTALT SACHSEN-ANHALT

Behnsdorfer Str. 45
0-3241 Flechtingen

Tel: 039054-225

Fax: 039054-296

Number of graduate staff: 006

Establishment date: 1992

Main research areas: protection, landscape architecture,
conservation

Director: Ernst Eberhardt

FORSTLICHES FORSCHUNGSMUSEUM EBERSWALDE

Alfred-Möller-Str. 1
0-1300 Eberswalde-Finow

Tel: 03334-650

Fax: 03334-65213

Number of graduate staff: 030

Establishment date: 1992

Main research areas: silviculture, economics, soils, protection,
ecology, tree improvement, forest products

Director: Dieter Heinsdorf

FORSTLICHES FORSCHUNGSMITTELSTUT EBERSWALDE E.V.**Alfred Moellerstrasse 1****D-1300 Eberswalde-Finow****Tel: 03334-650****Fax: 03334-65213****Telex: 371240****Number of graduate staff: 032****Establishment date: 1992****Main research areas: silviculture, economics, soils, protection, ecology, tree improvement, forest products, forest health, nutrition, wildlife****Director: Dieter Heinsdorf****HESSIAN FOREST RESEARCH CENTRE (HFV)****Prof. Oelkerstrasse 6****3510 Hann. Muenden****Tel: 5541-70040****Fax: 5541-700473****Number of graduate staff: 013****Establishment date: 1971****Main research areas: tree improvement, protection, hydrology, forest health, genetic resources****INSTITUT FURR WALDWACHSTUM****Bertoldstr. 17****7800 Freiburg****Tel: 0049-761-2033754****Fax: 0049-761-2034529****Number of graduate staff: 007****Main research areas: forest management, silviculture and management, ecology, mensuration****Director: Heinrich Spiecker****INSTITUTE OF ECOLOGY, LANDSCAPE DEVELOPMENT AND FOREST PLANNING (LOLF)****Leibnizstrasse 10****D-4350 Recklinghausen****Tel: 2361-3051****Number of graduate staff: 004****Establishment date: 1975****Main research areas: forest health, ecology, mensuration****Division Leader: Mr. Schoeller**

KURATORIUM FUER WALDARBEIT UND FORSTTECHNIK**Spremlbergerstrasse 1****D-6114 Umstadt****Tel: 6078-78534****Number of graduate staff: 010****Establishment date: 1962****Main research areas: work safety, harvesting, forestry****Director: Klaus Dummel****LANDESANSTALT FUR FORSTWIRTSCHAFT NORDHEIN-WESTFALEN****Herbreme 2****D-5760 Arnsberg****Tel: 02931-1774****Fax: 02931-10022****Number of graduate staff: 005****Establishment date: 1989****Main research areas: silviculture, economics****Director: J. Richter****LOWER SAXON FORESTRY SEED ADVISORY BOARD****Forstweg 5A****D-3042 Munster-Oerrel****Tel: 495192-7031****Fax: 495192-6816****Number of graduate staff: 004****Establishment date: 1985****Main research areas: seeds****Director: Carsten Schröder****LOWER SAXONY FOREST RESEARCH INSTITUTE, DEP. OF GROWTH
AND YIELD****Graetzelstr. 2****D3400 Göttingen****Tel: 49-551-694010****Fax: 49-551-6940160****Number of graduate staff: 008****Establishment date: 1950****Main research areas: silviculture, natural forests, forestry****Forstdirektor Hermann Spellmann**

**LOWER SAXONY FOREST RESEARCH INSTITUTE, DEPARTMENT OF
FOREST TREE BREEDING****Forstamtstrasse 6****D-3513 Staufenberg-Escherode****Tel: 495543-1037****Fax: 495543-4664****Number of graduate staff: 010****Establishment date: 1963****Main research areas: tree improvement, vegetative propagation,
genetic resources****Director: Jochen Kleinschmit****POSTDAM INSTITUTE FÜR KLIMAFOLGENFORSCHUNG (PIK)****Telegrafenberg****D-0-1561 Potsdam****Tel: 49-331-310435****Fax: 49331-310548****Number of graduate staff: 029****Establishment date: 1992****Main research areas: environment, biometeorology, ecology,
economics, land-use policy****Director: H. J. Schellnhuber****SACHSISCHE LANDESANSTALT FÜR FORSTEN****Bonnwitz Str. 34****0-8304 Graupa****Tel: 03501-48215/17****Fax: 03501-48236****Number of graduate staff: 034****Establishment date: 1991****Main research areas: forestry, ecology, silviculture, pests****Director:****THÜRINGER FORSTEINRICHTUNGS- UND VERSUCHSANSTALT****Jägerstr. 1****0-5800 Gotha****Tel: 03621-2250****Fax: 03621-225222****Number of graduate staff: 028****Establishment date: 1991****Main research areas: silviculture, protection, forest management****Director: Joachim Hoffmann**

**UNIVERSITY OF FREIBURG, ABTEILUNG FÜR FORSTLICHE
BIOMETRIE
Werderring 6
7800 Freiburg**

Tel: 49761-2033570

Fax: 49761-2034229

Telex: 772740-60 UFD

Number of graduate staff: 007

Establishment date: 1966

**Main research areas: inventory, mensuration, biometrics,
biodiversity, forest statistics, gis, operations research**

Director: D.R. Pelz

**UNIVERSITY OF FREIBURG, FORESTRY FACULTY
Erbprinzenstrasse 13
7800 Freiburg i. Br.**

Tel: 49761-2033155

Fax: 49761-2033858

Telex: 772740-60 UF D

Cable: UNI FREIBURG

Number of graduate staff: 048

Establishment date: 1969

Main research areas: forestry

Dean: G. Oesten

**UNIVERSITY OF FREIBURG, INSTITUT FOREST POLICY AND
REGIONAL PLANNING**

Bertoldstrasse 17

D-7800 Freiburg

Tel: 49761-20313750

Fax: 49761-20313776

Number of graduate staff: 006

Establishment date: 1935

**Main research areas: forest policy, land-use policy, history,
conservation, environment, non-wood forest products, protection,
social forestry, urban forestry**

Director: Erwin Niesslein

**UNIVERSITY OF FREIBURG, INSTITUT FÜR FORSTBOTANIK UND
BAUMPHYSIOLOGIE
Bertoldstrasse 17**

D-7800 Freiburg i. Br.

Tel: 49761-2032307

Fax: 49761-2032308

Number of graduate staff: 020

Establishment date: 1992

**Main research areas: botany, pathology, physiology, environment,
nutrition, symbiotic associations, urban forestry, vegetative
propagation**

Director: Siegfried Fink

**UNIVERSITY OF FREIBURG, INSTITUT FÜR FORSTBENUTZUNG UND
FORSTLICHE ARBEITSWISSENSCHAFT****Werderring 6****D-7800 Freiburg****Tel: 49761-2033743****Fax: 49761-2033341****Number of graduate staff: 009****Main research areas: wood technology, pulp and paper,
harvesting, work safety****Director: R. Grammel****UNIVERSITY OF FREIBURG, INSTITUT FÜR FORSTEINRICHTUNG UND
FORSTL. BWL, ABT. LUFTBILDMESSUNG UND FERNERKUNDUNG****Werderring 6****7800 Freiburg i. Br.****Tel: 49761-2032404****Telex: 772740 UF D****Number of graduate staff: 008****Establishment date: 1968****Main research areas: forestry, remote sensing, inventory, gis****Chief of Research: Steffen Kuntz****UNIVERSITY OF FREIBURG, INSTITUT FÜR FORSTEINRICHTUNG UND
FORSTLICHE BETRIEBWIRTSCHAFT****Bertoldstr. 17****78 Freiburg i. Br.****Tel: 0049-761-2033737****Fax: 0049-761-2033738****Number of graduate staff: 009****Establishment date: 1920****Main research areas: forest management, forest policy, gis, social
forestry, non-wood forest products, natural forests, operations
research****Director G. Oesten****UNIVERSITY OF FREIBURG, INSTITUTE OF SILVICULTURE****Bertoldstrasse 17****D-7800 Freiburg i.Br.****Tel: 49761-2033741****Fax: 49761-2033738****Number of graduate staff: 006****Establishment date: 1920****Main research areas: silviculture, physiology, ecology,
afforestation, genetic resources, natural forests, plantations****Director: Juergen Huss**

**UNIVERSITY OF FREIBURG, INSTITUTE OF SOIL SCIENCE AND
FOREST NUTRITION****Albert-Ludwig University****D-7800 Freiburg i. Br.****Tel: 0049-761-2033735****Fax: 0049-761-2033776****Number of graduate staff: 007****Main research areas: ecology, eucalyptus, nutrition, plantations,
soils, watersheds****Director: Heinz W. Zöttl****UNIVERSITY OF GOETTINGEN, ABTEILUNG FORSTGENETIK UND
FORSTPFLANZENZUECHTUNG****Buesgenweg 2****3400 Goettingen-Weende****Tel: 49551-393532****Fax: 49551-399629****Telex: 96703****Number of graduate staff: 003****Establishment date: 1966****Main research areas: biology, genetic resources****Director: H. Hattermer****UNIVERSITY OF GOETTINGEN, FORSCHUNGSZENTRUM
WALDOEKOSYSTEME****Habichtsweg 55****D-3400 Goettingen****Tel: 49551-393512,393501****Fax: 49551-399762****Telex: 96703 UNIGOE****Number of graduate staff: 072****Establishment date: 1984****Main research areas: ecology****Director: B. Ulrich****UNIVERSITY OF GOETTINGEN, FORSTWISSENSCHAFTLICHER
FACHBEREICH****Busgenweg 5****D-3400 Göttingen****Tel: 49551-393401/02****Fax: 49551-399629****Telex: 0551/96703 unigoe****Number of graduate staff: 032****Establishment date: 1868****Main research areas: forestry****Dean: Caro Becker**

**UNIVERSITY OF GOETTINGEN, INSTITUT FUER FORSTEINRICHTUNG
UND ERTRAGSKUNDE**

**Buesgenweg 5
3400 Goettingen**

Tel: 49551-393472

Telex: 96703 UNIGOE

Number of graduate staff: 016

Establishment date: 1929

**Main research areas: silviculture and management, inventory,
mensuration, remote sensing, gis**

Director: K. von Gadow

UNIVERSITY OF GOETTINGEN, INSTITUT FUER FORSTOEKONOMIE

**Buesgenweg 5
D-3400 Goettingen**

Tel: 49551-393422

Fax: 49551-399629

Telex: UNIGOE D 96703

Number of graduate staff: 006

Main research areas: economics, marketing

Director: Volker Berger

**UNIVERSITY OF GOETTINGEN, INSTITUT FUER WILDBIOLOGIE UND
JAGDKUNDE**

**Buesgenweg 3
D-3400 Goettingen**

Tel: 49551-393621

Fax: 49551-399629

Number of graduate staff: 006

Establishment date: 1936

Main research areas: wildlife, conservation, protection

Professor: A. Festetic

UNIVERSITY OF GOETTINGEN, INSTITUT OF BIOCLIMATOLOGY

**Buesgenweg 1
D-3400 Goettingen**

Number of graduate staff: 008

Establishment date: 1975

**Main research areas: ecology, biometeorology, environment,
biochemistry**

Director: Gode Gravenhorst

UNIVERSITY OF GOETTINGEN, INSTITUTE FUER FORSTZOOLOGIE**Buesgenweg 3****D-3400 Goettingen****Tel: 49551-393602****Fax: 49551-399629****Telex: 96703 UNIGOE****Number of graduate staff: 007****Establishment date: 1870****Main research areas: physiology, ecology, entomology****Acting Director: J. Lunderstadt****UNIVERSITY OF GOETTINGEN, INSTITUTE OF FOREST UTILIZATION****Buesgenweg 4,****D-3400 Goettingen****Tel: 49551-393541/42****Fax: 49551-399629****Number of graduate staff: 007****Establishment date: 1928****Main research areas: silviculture, wood technology, harvesting****Director: Gero Becker****UNIVERSITY OF GOETTINGEN, INSTITUTE OF SILVICULTURE, DEP.1****Busgenweg 1****W-3400 Goettingen****Tel: 49551-393672****Fax: 49551-399629****Telex: 96703 UNIGOE-D****Number of graduate staff: 005****Main research areas: silviculture, physiology, ecology, forest health****Director: H.J. Weidelt****UNIVERSITY OF GOETTINGEN, INSTITUTE OF SILVICULTURE,
SECTION II: TROPICAL SILVICULTURE AND NATURAL FOREST
RESEARCH****Buesgenweg 1****D-3400 Goettingen****Tel: 49551-393651****Fax: 49551-399629****Telex: 96703 UNIGOE****Number of graduate staff: 004****Establishment date: 1966****Main research areas: plantations, agroforestry, forest management, ecology****Director: H.J. Weidelt**

UNIVERSITY OF MUNICH, CHAIR FOR FOREST ECONOMICS**Hohenbachernstr. 22****D-8050 Freising****Tel: 498161-714630****Fax: 498161-714631****Number of graduate staff: 002****Establishment date: 1882****Main research areas: economics, operations research, marketing****Professor: Michael Timinger****UNIVERSITY OF MUNICH, CHAIR FOR FOREST POLICY AND FOREST HISTORY****Schellingstrasse 12/II****D-8000 Muenchen 40****Tel: 89-21803551****Fax: 89-21803748****Telex: 529860 UNIVM D****Number of graduate staff: 008****Establishment date: 1968****Main research areas: forest policy, history, wildlife, land-use policy****Head: Karl-Reinhard Volz****UNIVERSITY OF MUNICH, CHAIR OF SOIL SCIENCE****Hohenbachernstr. 22****D-8050 Freising****Number of graduate staff: 015****Main research areas: soils, hydrology, nutrition****Professor: Karl-Eugen Rehfuess****UNIVERSITY OF MUNICH, FORSTWISSENSCHAFTLICHE FACULTAT, LEHRBEREICH FÜR RAUMORDNUNG UND UMWELTRECHT****Hohenbachernstr. 22****D-8050 Freising****Tel: 498161-714624****Fax: 498161-714623****Number of graduate staff: 004****Establishment date: 1987****Main research areas: environment, land-use policy, forest policy****Head of Unit: Egon Gundermann**

UNIVERSITY OF MUNICH, INSTITUTE FOR WOOD RESEARCH

Winzererstrasse 45
D-8000 Muenchen 40

Tel: 4989-306309/0

Fax: 4989-306309/11

Number of graduate staff: 020

Establishment date: 1954

Main research areas: forest products, wood chemistry, wood technology, product development, wood processing, environment, pathology

Director: Horst Schulz

UNIVERSITY OF MUNICH, INSTITUTE OF SILVICULTURE AND FOREST MANAGEMENT

Hohenbachernstr. 22
D-8050 Freising

Tel: 498161-714690

Fax: 498161-714616

Number of graduate staff: 011

Establishment date: 1878

Main research areas: forest management, silviculture and management, environment, biometeorology, livestock management, afforestation, nursery, seeds, silviculture

Chairman: Peter Burschel

UNIVERSITY OF MUNICH, LEHRSTUHL FUER FORSTBOTANIK

Hohenbachernstr. 22
D-8050 Freising

Number of graduate staff: 012

Main research areas: botany, pathology, physiology

Head of Research: P. Schuett

UNIVERSITY OF MUNICH, LEHRSTUHL FUER FORSTLICHE ARBEITSWISSENSCHAFT UND ANGEWANDTE FORSTLICHE INFORMATIK

Hohenbachernstr. 22
D-8050 Freising

Number of graduate staff: 006

Establishment date: 1971

Main research areas: soils, work safety, forest management, harvesting

Director: Hans D. Loeffler

UNIVERSITY OF MUNICH, LEHRSTUHL FUER LANDSCHAFTSTECHNIK
Hohenbachernstr. 22
D-8050 Freising

Number of graduate staff: 010

Establishment date: 1976

Main research areas: land-use policy, ecology, protection,
biotechnology, remote sensing

Director: U. Ammer

WILHELM KALUDITZ INSTITUT (WKI), WORKING GROUP OF WOOD
RESEARCH
Bienroderweg 54 E
D-3300 Braunschweig

Tel: 49531-39090

Fax: 49531-351587

Telex: 952 942 wkibs d

Number of graduate staff: 025

Establishment date: 1946

Main research areas: wood technology, product development,
wood processing, wood chemistry

Director: Rainer Marutzky

GHANA

FORESTRY RESEARCH INSTITUTE OF GHANA
P.O. Box 63
U.S.T. Kumasi

Number of graduate staff: 042

Establishment date: 1961

Main research areas: forestry, forest products

Director: A. Ofori-Asiedu

GREECE

FOREST RESEARCH INSTITUTE OF THESSALONIKI
570 06 Vassilika
Thessaloniki

Tel: 31-461171

Fax: 31-461341

Number of graduate staff: 026

Establishment date: 1961

Main research areas: silviculture and management, genetic
resources, soils, protection, livestock management, hydrology,
landscape architecture, wood technology, ecology

Director: Lampros Romanas

GUATEMALA

DIRECCION GENERAL DE BOSQUES Y VIDA SILVESTRE (DIGEBOS)

7a. Avenida 6-80 Zona 13

Ciudad de Guatemala

Tel: 735209

Fax: 735214

Number of graduate staff: 004

Establishment date: 1988

Main research areas: wildlife, forestry

Jefe Nacional Proyecto Madeleña: Carlos Francisco Fausto
Hernández

HONDURAS

CENTRO NACIONAL DE INVESTIGACION FORESTAL APLICADA

(CENIFA)

ESNACIFOR

CENIFA - Apartado # 2

Siguatepeque

Tel: 504-732011

Fax: 504-732300

Number of graduate staff: 008

Establishment date: 1984

Main research areas: soils, silviculture and management

Jefe de Investigación: Miguel C. Valdes

ESCUELA AGRICOLA PANAMERICANA

Apartado 93

Tegucigalpa

Tel: 504-766140, 766150

Fax: 504-765240

Telex: 1567-EAP-ZAM-HO

Number of graduate staff: 001

Establishment date: 1942

Main research areas: silviculture and management, tree
improvement, hydrology, wildlife, agriculture

Jefe Programa Forestal: Nelson Agudelo C.

HUNGARY**ERDESZETI TUDOMANYOS INTEZET (FOREST RESEARCH INSTITUTE)****Frankel Leo U. 42-44****H-1023 Budapest****Tel: 361-1150624****Fax: 361-1151806****Telex: 61-226914****Number of graduate staff: 033****Establishment date: 1949****Main research areas: tree improvement, silviculture and management, protection, mechanization, economics, ecology, genetic resources****Director-General: Antal Bondor****UNIVERSITY OF FORESTRY AND WOOD SCIENCES****P.O. Box 132****H-9401 Sopron****Tel: 3699-11100****Fax: 3699-11103****Telex: 61-249126****Number of graduate staff: 115****Establishment date: 1735****Main research areas: silviculture and management, wood technology, harvesting, wildlife, botany, environment, pulp and paper, land-use****policy, forest products****Associate Rector: Csaba Matyas****INDIA****ASSOCIATION FOR WASTELANDS DEVELOPMENT****A-51 Pandara Road****New Delhi 3****Tel: 91-11-384372****Number of graduate staff: 003****Establishment date: 1986****Main research areas: agroforestry, social forestry, ecology, environment****Head of Research: D.P. Yadav**

BAIF DEVELOPMENT RESEARCH FOUNDATION**'Kamdhenu', Sanapati Bapat Road****Pune 411 016****Tel: 91212/342621****Fax: 91212/670859****Telex: 01457283****Cable: BAIFON****Number of graduate staff: 025****Establishment date: 1967****Main research areas: economics, forestry, afforestation, agroforestry, natural forests, silviculture and management****President: Manibhai Desai****DR. YASHWANT SINGH PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY****P.O. Nauni****Solan 173230****Tel: 0091 1792 2288****CABLE: VANUDYAN****Number of graduate staff: 417****Establishment date: 1985****Main research areas: agroforestry, entomology, forest products, genetic resources, horticulture, multi-purpose trees, pathology, poplar, soils, tree improvement****Vice-Chancellor: B.R. Sharma****INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION (ICFRE)****P.O. New Forest****Dehra Dun 248006****Tel: 0135-23452****0135-23548****Fax: 0135-23258****Telex: 595-258****Director-General: D.N. Tewari****INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION, ARID FORESTRY RESEARCH INSTITUTE****16/507, Nandanvan****Chopasni Housing Board****Jodhpur 342 008****Tel: 91-29126034****Fax: 0291-26034****Cable: VANKI DIRECTOR****Number of graduate staff: 100****Establishment date: 1988****Main research areas: desertification, afforestation, silviculture and management, tree improvement, protection, social forestry****Director: A.P. Dwivedi**

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
FOREST RESEARCH INSTITUTE
P.O. New Forest
Dehra Dun 248006

Establishment date: 1906
Director: N.K. Joshi

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
INSTITUTE OF FOREST GENETICS AND TREE BREEDING
P.B. No. 1061
R. S. Puram
Coimbatore PIN 641 002

Tel: 91-0422-041540/42541
Fax: 91-0422-40549
Telex: VANAVERIKSHA, Coimbatore

Number of graduate staff: 064
Main research areas: tree improvement, biotechnology, seeds,
agroforestry, silviculture, protection, economics, botany
Director: K. N. Subramanian

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
INSTITUTE OF RAIN AND MOIST DECIDUOUS FORESTS
RESEARCH
NA-ALI
Jorhat 785 001
Assam

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY
Malleswaram, P.O.
Bangalore-560 003

Tel: 0091-812-341731/346811
Fax: 0091-812-340529

Number of graduate staff: 060
Main research areas: wood technology, non-wood forest products,
tree improvement, silviculture and management, nursery,
pathology, pests, entomology, forest products, biodiversity, soils
Director: V. V. Srinivasan

INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION,
TROPICAL FOREST RESEARCH INSTITUTE
P.O. Regional Forest Research Centre
Mandla Road
Jabalpur 482021
Director:

INDIAN PLYWOOD INDUSTRIES RESEARCH INSTITUTE**P.B. No. 2273, Tumkur Road****Bangalore 560 022****Tel: 91812-394341/394231****Fax: 91812-396361****Telex: 0845-5065 IPRI IN****Cable: IPIRI BAGALORE****Number of graduate staff: 047****Establishment date: 1962****Main research areas: wood technology, wood processing, product development, engineering, forest products, non-wood forest products****Director: P.M. Ganapathy****KARNATAKA FOREST DEPARTMENT, FOREST RESEARCH AND UTILIZATION CIRCLE****3rd Floor, Aranya Bhavana****18th cross, Malleswaram****Bangalore 560 030****Karnataka****Tel: 91812/565250-345593****Fax: 91812-344593****Telex: 2900****Number of graduate staff: 050****Establishment date: 1950****Main research areas: afforestation, tree improvement, wildlife, seeds, fire, biodiversity, mensuration, nursery, silviculture and management, silviculture, social forestry, vegetative propagation****Conservator of Forests: S. N. Rai****KERALA FOREST RESEARCH INSTITUTE****Peechi 680 653****Trichur, Kerala****Tel: 91487-22375****Telex: 887275 KFRI IN****Cable: KEFORINST****Number of graduate staff: 110****Establishment date: 1975****Main research areas: forestry, wood technology, wildlife, agroforestry, ecology, conservation****Director: Chand Basha**

MALAWARMAN UNIVERSITY, FACULTY OF FORESTRY

Campus Gunung Kelua

P.O. Box 13/1227

Samarinda, East Kalimantan

Tel: 541-21118 x.300

Fax: 541-35379

Number of graduate staff: 065

Establishment date: 1963

Main research areas: forestry, forest products

Dean: Soeyitno Soedirman

IRAN**PLANT PESTS & DISEASES RESEARCH INSTITUTE**

P.O. Box 1454

19395 Tehran

Tel: 21-293012/16

Number of graduate staff: 002

Establishment date: 1962

Main research areas: protection, pests, pathology

Chief of Research: B. Parsi

RESEARCH INSTITUTE OF FORESTS & RANGELAND

P.O. Box 13185-116

Tehran

Tel: 21/943123/944198

Fax: 21/944199

Number of graduate staff: 146

Establishment date: 1968

Main research areas: forestry, livestock management, botany, watersheds, desertification, pulp and paper, physiology,

protection, non-wood forest products

Head of Research: A.A. Maassoumi

UNIVERSITY OF TEHRAN, COLLEGE OF NATURAL RESOURCES

Karadj

Tel: 0261-23044/6

Fax: 0261-8007988

Number of graduate staff: 027

Establishment date: 1966

Main research areas: seeds, afforestation, environment, conservation, silviculture, agroforestry, social forestry, nursery, ecology, wood technology

IRELAND

COILLTE TEO., RESEARCH DIVISION

Sidmonton Place
Bray, Co. Wicklow

Tel: 2867751

Number of graduate staff: 008

Establishment date: 1959

Main research areas: protection, silviculture, tree improvement,
environment, wood technology, natural forests

Research Manager: Gerard Murphy

EOLAS - THE IRISH SCIENCE & TECHNOLOGY AGENCY

Glasnevin
Dublin 9

Tel: 353-1-370101

Fax: 353-1-379620

Number of graduate staff: 009

Establishment date: 1962

Main research areas: wood technology, biotechnology, forestry
Head of Timber Research & Consultancy: P. Colclough

ISRAEL

AGRICULTURAL RESEARCH ORGANIZATION, DEPARTMENT OF
AGRONOMY AND NATURAL RESOURCES, VOLCANI CENTER
P.O. Box 6

Bet Dagan 50-250

Tel: 972-9683484

Fax: 972-9683492

Telex: 381476 AROVC IL

Number of graduate staff: 004

Establishment date: 1928

Main research areas: silviculture, agriculture, tree improvement,
fire, physiology

Deputy Director for Research (Forestry): G. Schiller

ITALY

ACCADEMIA ITALIANA DI SCIENZE FORESTALI

Piazza Edison, 11
50133 Firenze

Tel: 3955-570348

Fax: 3955-575724

Number of graduate staff: 009

Establishment date: 1951

Main research areas: silviculture and management
Presidente dell'Accademia: Fiorenzo Mancini

**CENTRO DI DOCUMENTAZIONE PER IL COMMERCIO
INTERNAZIONALE DEL LEGNO (CIL)**

c/o Area di Ricerca

Padriciano, 99

34012 Trieste

Tel: 3940-398975/398976

Fax: 3940-398981

Number of graduate staff: 004

Establishment date: 1967

Main research areas: forest health, forest products

Director: Roberto Jodice

CENTRO DI SPERIMENTAZIONE AGRICOLA E FORESTALE (CSAF)

Casella Postale 9079

I-00100 Roma-Aurelio

Tel: 396-6960241

Fax: 396-6963703

Number of graduate staff: 027

Establishment date: 1953

Main research areas: pulp and paper, tree improvement,
plantations, protection, agroforestry, environment, economics,
wood quality, pests, pathology, harvesting

Director: Gianfranco Lapietra

**CONSIGLIO NAZIONALE DELLE RICERCHE, ISTITUTO PER LA
RICERCA SUL LEGNO**

Via Barazzuoli 23

50136 Firenze

Tel: 3955-661750

Fax: 3955-670624

Telex: 572458 ILFI I

Number of graduate staff: 010

Establishment date: 1954

Main research areas: forest products, wood technology

Director: Sanzio Baldini

CSIL SCRL, CENTRO STUDI INDUSTRIA LEGGERA

Via Gesu, 17

I-20121 Milano

Tel: 392-76021648/796630

Fax: 392-780703

Number of graduate staff: 010

Establishment date: 1980

Main research areas: forest products, economics, product
development

Chief of Research: Massimo Florio

INSTITUTE OF AGRICULTURAL CHEMISTRY AND FORESTRY

Piazza San Francesco, 4

Gallina 89061 (Reggio Calabria)

Tel: 3965-682558

Fax: 3965-682616

Number of graduate staff: 004

Establishment date: 1986

Main research areas: agriculture, soils

Director: Giovanni Cacco

ISTITUTO DI ECOLOGIA E IDROLOGIA FORESTALE

Via a. Volt

106/C

Tel: 3984-837323

Fax: 3984-838625

Number of graduate staff: 010

Establishment date: 1981

Main research areas: ecology, hydrology, soils

ISTITUTO DI INGEGNERIA AGRARIA

Via Celoria, 2

20133 Milano

Tel: 392-2367625

Fax: 392-26680322

Telex: UNIMI - I - 320484

Number of graduate staff: 017

Establishment date: 1921

Main research areas: agriculture, land-use policy, energy

Director: Giuseppe Pellizzi

ISTITUTO DI SPERIMENTAZIONE PER LA PIOPPICULTURA (SAF)

Strada per Frassineto 35

15033 Casale Monferrato (AL)

Tel: 39142-454654

Fax: 39142-55580

Number of graduate staff: 016

Establishment date: 1939

Main research areas: poplar, tree improvement, plantations, protection, economics, silviculture, weeds, wood quality, mensuration

Research Director: Gianfranco Lapietra

**ISTITUTO PER IL MIGLIORAMENTO GENETICO DELLE PIANTE
FORESTALI**

Via San Bonaventura, 13
50145 Firenze

Tel: 3955-311069

Fax: 3955-319413

Number of graduate staff: 009

Establishment date: 1983

Main research areas: physiology, tree improvement,
biotechnology, genetic resources

Director: Raffaello Giannini

ISTITUTO PER L'AGROSELVICOLTURA (CNR)

Viale Marconi, 2
05010 Porano (TR)

Tel: 39763-65122/65076

Fax: 39763-65330

Number of graduate staff: 008

Establishment date: 1983

Main research areas: agriculture, agroforestry, genetic resources,
physiology, silviculture

Director: Francesco Cannata

ISTITUTO PER LA TECNOLOGIA DEL LEGNO

Via Biasi, 57
38010 S. Michele all'Adige (TN)

Tel: 39461-650168

Fax: 39461-659045

Telex: 400453 ILSMA

Number of graduate staff: 008

Establishment date: 1981

Main research areas: wood technology, wood processing,
economics, harvesting

Director: Paolo Pedrotti

ISTITUTO PER LE PIANTE DA LEGNO E L'AMBIENTE (IPLA) S.P.A.

Corso Casale 476
10132 Torino

Tel: 8998933

Fax: 8989333

Number of graduate staff: 017

Establishment date: 1979

Main research areas: silviculture, forest products, mapping,
pathology, soils, energy, inventory

Director: Mario Palenzona

**ISTITUTO SPERIMENTALE PER L'ASSESTAMENTO FORESTALE E
PER L'ALPICOULTURA****Via U. Giordano, 8****38050 Villazzano (TN)****Tel: 39461-924248****Fax: 39461-915651****Number of graduate staff: 008****Establishment date: 1967****Main research areas: forest management, non-wood forest
products, biometrics****Director: Massimo Bianchi****ISTITUTO SPERIMENTALE PER LA SELVICOLTURA****Viale Santa Margherita 80****52100 Arezzo****Tel: 39575-353021****Fax: 39575) 353490****Number of graduate staff: 021****Establishment date: 1922****Main research areas: ecology, silviculture, afforestation, genetic
resources****Director: Riccardo Morandini****ITALECO SPA****Via Carlo Pesenti 109****00156 Rome****Tel: 396-439971****Fax: 396-4512948****Telex: 625291 Itaeo I****Number of graduate staff: 008****Establishment date: 1972****Main research areas: remote sensing, gis, fire, mapping, natural
forests****Chief of Research: M. Marchetti****RESEARCH STATION FOR AGRICULTURE AND FORESTRY****LAIMBURG****39040 Ora (Bolzano)****Tel: 39471-960009****Fax: 39471-960016****Number of graduate staff: 010****Establishment date: 1975****Main research areas: agriculture, forestry****Director: Hermann Mantinger**

RICERCA ECONOMICA STATISTICA SERVIZI (RESS)

Via Assisi, 163

00181 Roma

Tel: 396-780511

Fax: 396-7843894

Number of graduate staff: 005

Establishment date: 1979

Main research areas: forest products, economics, statistics

Managing Director: Sergio Marangoni

STAZIONE SPERIMENTALE AGRARIA E FORESTALE DI S. MICHELE

ALL'ADIGE (TN)

Via Mach, 1

S. Michele all'Adige (TN)

Tel: 39461-650107/650167

Fax: 39461-650956

Number of graduate staff: 012

Establishment date: 1963

Main research areas: agriculture, ecology, biometeorology,
hydrology

Head of Research: Marco Zorzi

**UNIVERSITA DEGLI STUDI DELLA TUSCIA, DIPARTIMENTO DI
SCIENZE DELL'AMBIENTE FORESTALE E DELLE SUE RISORSE**

Via San Camillo de Lellis

01100 Viterbo

Tel: 39761-257403

Fax: 39761-257389

Telex: 614076 TUSVIT

Number of graduate staff: 021

Establishment date: 1990

Main research areas: ecology, physiology, silviculture, wood
technology

Director: Ervedo Giordano

UNIVERSITA DEGLI STUDI DI BARI, ISTITUTO DI CHIMICA AGRARIA

Via G. Amendola, 156/A

70126 Bari

Tel: 3955-242851

Fax: 3955-242813

Number of graduate staff: 010

Establishment date: 1925

Main research areas: soils, ecology, environment

Chief of Research: Vito Marino Radogna

**UNIVERSITA DEGLI STUDI DI FIRENZE, FACOLTA DI AGRARIA,
DIPARTIMENTO DI SCIENZA DEL SUOLO E NUTRIZIONE DELLE
PIANTE**

**Piazzale delle Cascine, 15
I-50144 Firenze**

Tel: 3955-330491

Fax: 3955-321148/333273

Number of graduate staff: 022

Establishment date: 1987

Main research areas: mapping

Director: Guido Sanesi

**UNIVERSITA DEGLI STUDI DI FIRENZE, ISTITUTO DI ASSESTAMENTO
E TECNOLOGIA FORESTALE**

**Via S. Bonaventura, 13
50145 Firenze**

Tel: 3955-311304/315512

Fax: 3955-319179

Number of graduate staff: 009

Establishment date: 1930

**Main research areas: ecology, harvesting, wood technology,
forest management, forest products, mensuration, inventory,
land-use policy, engineering**

Director: Giovanni Ippoliti

UNIVERSITA DEGLI STUDI DI FIRENZE, ISTITUTO DI SELVICOLTURA

**Via S. Bonaventura, 13
50145 Firenze**

Tel: 3955-375147

Number of graduate staff: 015

Establishment date: 1936

**Main research areas: ecology, silviculture, genetic resources,
fire, agroforestry**

Director:

**UNIVERSITA DEGLI STUDI DI PARMA, ISTITUTO DI ECONOMIA
AGRARIA E FORESTALE**

**Via Kennedy 6
43100 Parma**

Tel: 39521-205413/4/5

Telex: 39521-205498

Number of graduate staff: 003

Establishment date: 1960

**Main research areas: forest products, environment, forest
management**

Chief: Alberto Benassi

**UNIVERSITA DI FIRENZE, ISTITUTO DI PATOLOGIA E ZOOLOGIA
FORESTALE, CENTRO PER LA PATOLOGIA DELLE PIANTE
LEGNOSE MONTANE**

Facoltà di Agraria

Piazzale delle Cascine 28

50144 Firenze

Tel: 3955-360546

Fax: 3955-354786

Number of graduate staff: 006

Establishment date: 1972

Main research areas: forestry, pathology, nursery

Director: Francesco Moriondo

**UNIVERSITA DI PADOVA, DIPARTIMENTO TERRITORIO E SISTEMI
AGRO-FORESTALI, SEZIONE RISORSE IDRICHE E DIFESA DEL
SUOLO**

Via Gradenigo, 6

35131 Padova

Tel: 3949-8071955

Fax: 3949-8070615

Cable: AGRAOS UNIPAD. UNIPD.IT

Number of graduate staff: 007

Establishment date: 1967

**Main research areas: hydrology, forestry, watersheds, soils,
silviculture, forest management, forest policy, mechanization,
forest products, land-use policy**

Director: Michele Cera

**UNIVERSITA OF CASSINO, FACULTY OF ECONOMICS AND
COMMERCE**

Via Mazzaroppi

103043 Cassino

Tel: 39776-311617

Fax: 39776-310892

Number of graduate staff: 003

**Main research areas: forest products, afforestation, forest policy,
economics, environment**

Director: Massimo Sabbatini

JAPAN

FORESTRY AND FOREST PRODUCTS RESEARCH INSTITUTE (FFPRI)

Matsurosato Kukizaki, Irashiki
Ibaraki Prov. 305

Tel: 001-0298-733211

Fax: 001-0298-743720

Number of graduate staff: 500

Establishment date: 1905

Main research areas: afforestation, biology, biotechnology, forest management, environment, forest products, soils, ecology, genetic resources, remote sensing, seeds

Director-General: Masaki Katuda

**FORESTRY AND FOREST PRODUCTS RESEARCH INSTITUTE,
TOHOKU RESEARCH CENTRE**

72, Nabeyashiki, Shimo-kuriyagawa, Morioka-shi
Iwate, 020-01

Tel: 081-0196-41-2150

Fax: 081-0196-41-6747

Number of graduate staff: 027

Establishment date: 1930

Main research areas: forestry, natural forests, ecology, silviculture, soils, conservation, forest management, remote sensing

Director: Osamu Sasaki

HOKKAIDO FOREST PRODUCTS RESEARCH INSTITUTE

1-10 Nishikagura
Asahikawa, Hokkaido 071-01

Tel: 166-754233

Fax: 166-753621

Number of graduate staff: 066

Establishment date: 1950

Main research areas: wood technology, product development, forest products

Chief: Koshio Nakagawa

HOKKAIDO FORESTRY RESEARCH INSTITUTE

Koshunai
Bibai, Hokkaido 079-01

Tel: 1266-34164

Fax: 1266-34166

Number of graduate staff: 045

Establishment date: 1957

Main research areas: forestry

Director-General: Shigeo Yamauchi

HYOGO PREFECTURAL FOREST EXPERIMENT STATION

Ikaba, Yamasaki-cho
Shiso-gun, Hyogo-ken

Tel: 790-622118

Fax: 790-629390

Number of graduate staff: 015

Establishment date: 1934

Main research areas: silviculture, tree improvement, protection,
non-wood forest products, conservation

Director: Yasushi Sakaguchi

IBARAKI PREFECTURAL FOREST EXPERIMENT STATION

4, 692 Toh, Naka-machi
Naka-gun, Ibaraki 311-01

Tel: 292-980257

Fax: 292-951325

Number of graduate staff: 011

Establishment date: 1955

Main research areas: tree improvement, silviculture and
management, pests, non-wood forest products

Head of Station: Tadashi Kanekawa

ISHIKAWA FOREST EXPERIMENT STATION

Sannomiya, Isurugi-machi
Ishikawa-gun, Ishikawa-ken

Tel: 7619-20673

Fax: 7619-20812

Number of graduate staff: 009

Establishment date: 1962

Main research areas: forestry

Director: Tsuneo Yamamoto

IWATE UNIVERSITY, DEPARTMENT OF FORESTRY

3-18-8 Veda
Morioka, Iwate

Tel: 196-235171

Fax: 196-257667

Number of graduate staff: 020

Establishment date: 1902

Main research areas: forestry, forest products

Director:

JAPAN FOREST TECHNICAL ASSOCIATION

7, Rokubanchō

Chiyoda-ku,

Tel: 813-32613866

Fax: 813-32616849

Telex: 02323315 (KOSCO J)

Number of graduate staff: 080

Establishment date: 1921

Main research areas: remote sensing, watersheds, land-use policy

President: Ikuro Suzuki

JAPAN WILDLIFE RESEARCH CENTRE

Yusima 2-29-3

Bunkyo-ku, Tokyo 113

Tel: 813-38138806

Fax: 813-38138958

Number of graduate staff: 030

Establishment date: 1978

Main research areas: wildlife

Director of Research: Taisitiroo Satoo

**KYOTO UNIVERSITY, FACULTY OF AGRICULTURE, DEPARTMENT OF
WOOD SCIENCE AND TECHNOLOGY**

Kitashirakawa Oiwake-cho

Sakyo-ku, Kyoto 606-01

Tel: 8175-7536230

Fax: 8175-7536300

Number of graduate staff: 023

Establishment date: 1965

Main research areas: wood technology, wood processing, wood chemistry

Dean: Kazutake Kyuma

KYOTO UNIVERSITY, WOOD RESEARCH INSTITUTE

Gokasho

Uji, Kyoto 611

Tel: 81774-323111 x.2502

Fax: 81774-333049

Telex: 5453 638 UCLKU J

Number of graduate staff: 027

Establishment date: 1944

Main research areas: wood technology, wood chemistry, chemical products, product development, energy, environment, engineering, biotechnology, charcoal, fire, forest products

Director: Hikaru Sasaki

MATERIALS SCIENCE AND TECHNOLOGY OF NATURAL PRODUCTS**1060 Nishi, Kawatsu-cho****Matsue Shimane 690****Tel: 852-217100****Fax: 852-277005****Number of graduate staff: 007****Establishment date: 1965****Main research areas: wood technology****Chief of Research:****MITSUBISHI KASEI CORPORATION RESEARCH CENTRE,
AGRICULTURAL CHEMICALS LABORATORY****1000 Kamoshida-cho****Midori-ku, Yokohama 227****Tel: 45-9633510****Fax: 45-9633897****Number of graduate staff: 040****Establishment date: 1950****Main research areas: protection, biology, physiology****Director: Setnosuke Ueda****NAGASAKI AGRICULTURAL AND FORESTRY EXPERIMENT STATION****3118 Aizu-machi****Isahaya-shi, Nagasaki 854****Tel: 81957-263330****Fax: 81957-269197****Number of graduate staff: 006****Establishment date: 1961****Main research areas: conservation, protection, wood technology,
forest health, non-wood forest products****Director: Tsuyoshi Tasaki****NAGOYA UNIVERSITY, SCHOOL OF AGRICULTURE , DEPARTMENT
OF FORESTRY****Chikusa-ku, Nagoya 464-01****Tel: 52-7815111****Fax: 52-7814447****Telex: 4422120 ANUNAG J****Number of graduate staff: 015****Establishment date: 1951****Main research areas: silviculture and management, watersheds,
protection****Professor: Noboru Morioka**

NIIGATA PREFECTURAL FOREST EXPERIMENT STATION

2249-5 Unotoro, Asahi-mura

Iwafune-gun, Niigata 958

Tel: 254-721171

Fax: 254-720019

Number of graduate staff: 010

Establishment date: 1952

Main research areas: forestry, biotechnology, ecology,
entomology, environment, genetic resources, non-wood forest
products, nursery, protection, silviculture and management

Chief: Mesao Noomote

**NIIGATA UNIVERSITY, FACULTY OF AGRICULTURE, DEPARTMENT OF
FORESTRY**

8050 Igarachi 2 nocho

Niigata City 950-21

Tel: 25-2626630

Fax: 25-2631659

Number of graduate staff: 013

Establishment date: 1979

Main research areas: silviculture and management, mensuration,
wood chemistry, watersheds

Chief: Jiro Endo

OKAYAMA FOREST EXPERIMENT STATION

Uetsukinaka 1001, Shouou-chou

Katsuta-gun, Okayama 709-13

Tel: 868-383151

Fax: 868-383152

Number of graduate staff: 007

Establishment date: 1952

Main research areas: protection, ecology, silviculture, tree
improvement, landscape architecture, non-wood forest products

Director: Shigeyuki Andou

**OSAKA PREFECTURAL AGRICULTURAL AND FORESTRY RESEARCH
CENTRE (OAFRC)**

442 Shakudo

Habikino-shi, Osaka 583

Tel: 729-586551

Fax: 729-569691

Number of graduate staff: 061

Establishment date: 1963

Main research areas: agriculture, forestry, ecology, forest policy

Director: Takao Hirano

SHIGA FOREST RESEARCH CENTRE**Kitasakura 978-95****Yasu, Shiga 520-23****Tel: 775-872655****Fax: 775-876527****Number of graduate staff: 004****Establishment date: 1966****Main research areas: tree improvement, protection, non-wood forest products****Director: Yotsugi Nishimura****SHINSHU UNIVERSITY, FACULTY OF AGRICULTURE, DEPARTMENT OF FOREST SCIENCE****8304 Minamiminowa****Kamina, Nagano 399-45****Tel: 265-725255****Fax: 265-725259****Number of graduate staff: 025****Establishment date: 1948****Main research areas: conservation, forest products****Director of Forest Research: Seigo Ito****SIZUOKA PREFECTURE FORESTRY AND FOREST PRODUCTS RESEARCH INSTITUTE****2543-8 Negata****Hamakita 434****Tel: 539-253121****Fax: 539-261275****Number of graduate staff: 017****Establishment date: 1957****Main research areas: forestry, forest products****Director: Harumitsu Maejima****UNIVERSITY OF TOKYO, FACULTY OF AGRICULTURE, DEPARTMENT OF FOREST PRODUCTS****1-1-1 Yayoi****Bunkyo-ku, Tokyo 113****Tel: 813-38122111****Fax: 813-56840299****Number of graduate staff: 022****Establishment date: 1956****Main research areas: silviculture and management, botany, wildlife, forest policy, forest products, hydrology, landscape architecture****Director: Takeshi Okano**

**UNIVERSITY OF TOKYO, FACULTY OF AGRICULTURE, DEPARTMENT
OF FORESTRY****1-1 Yayoi****Bunkyo-ku, Tokyo 113****Tel: 813-38122111 x.5200****Fax: 813-56893845****Number of graduate staff: 031****Establishment date: 1890****Main research areas: wood technology, wood chemistry, pulp and
paper, watersheds****Head: Kazuo Suzuki****UNIVERSITY OF TSUKAUBA, COLLEGE OF AGRICULTURE AND
FORESTRY****1-1-1 Tennodai****Tsukuba-shi, Ibaraki-ken 305****Tel: 298-532111****Fax: 298-534761****Number of graduate staff: 018****Establishment date: 1973****Main research areas: silviculture and management, forest policy,
forest products, watersheds, wood technology, chemical products****Dean: Atsushi Tada****UTSUNOMIYA UNIVERSITY, FACULTY OF AGRICULTURE,
DEPARTMENT OF FOREST SCIENCE****350 Minemachi****Utsunomiya 321, Tochigi****Tel: 286-361515****Fax: 286-354662****Number of graduate staff: 014****Establishment date: 1991****Main research areas: silviculture and management, ecology,
forest policy, forest products, economics, watersheds****Chief: Y. Suzuki**

KENYA

INTERNATIONAL COUNCIL FOR RESEARCH IN AGROFORESTRY
(ICRAF)

P.O. Box 30677

Nairobi

Tel: 2542-521450

Fax: 2542-521001

Telex: 22048 ICRAF

Cable: ICRAF

Number of graduate staff: 060

Establishment date: 1978

Main research areas: agroforestry, multi-purpose trees, forest
policy, land-use policy

Director: Peter Cooper

KENYA FORESTRY RESEARCH INSTITUTE, FORESTRY SEED
CENTRE

P.O. Box 20412

Nairobi

Tel: 25414-32891,2

Fax: 25414-32844

Number of graduate staff: 005

Establishment date: 1985

Main research areas: seeds

Director: Jeff Odera

MOI UNIVERSITY, DEPARTMENT OF FORESTRY

P.O. Box 3900

Eldoret

Tel: 321-63111/43620

Fax: 321-43047

Telex: MOIVARSITY 35047

Number of graduate staff: 015

Establishment date: 1985

Main research areas: economics, harvesting, pathology, tree
improvement, mensuration, silviculture and management

Head of Department: Harrison Ochieng Kojwang

KOREA, REPUBLIC OF

FORESTRY RESEARCH INSTITUTE

207 Chongyangni-dong, Tongdaemun-gu

Seoul 130-012

Tel: 2-96125225

Fax: 2-9675101

Number of graduate staff: 186

Establishment date: 1945

Director-General: Jae Myeung Jo

SEOUL NATIONAL UNIVERSITY, DEPARTMENT OF FORESTRY

Suwon

Kyonggido 441-744

Tel: 331-2902320

Fax: 331-2931797

Number of graduate staff: 008

Establishment date: 1945

Main research areas: silviculture and management, ecology,
economics, watersheds, botany

Chairman: Jung Oh Hyun

LAOS**DEPARTMENT DES FORETS, DIVISION NATIONALE DE LA
CONSERVATION DE LA NATURE ET DES BASSINS VERSANTS**

P.O. Box 2932

Vientiane

Tel: 3807

5539

Chef Principal de la Division: Vongkamchandr Phouy

LATVIA**INSTITUTE OF WOOD CHEMISTRY**

Dzerbenes iela 27

Riga 6-LV-1006

Tel: 7-0132-553063/558945

Fax: 7-0132-0555983

Number of graduate staff: 170

Establishment date: 1946

Main research areas: biotechnology, chemical products, product
development, protection, pulp and paper, wood chemistry, wood
processing, wood technology

Director Uldis Viesturs

LESOTHO**FORESTRY RESEARCH, FORESTRY DIVISION**

P.O. Box 776

Maseru 100

Tel: 322826

Fax: 310349

Telex: 4414 SADCC LO

Number of graduate staff: 003

Establishment date: 1985

Main research areas: tree improvement, seeds, silviculture,
mensuration, social forestry, environment, forestry

Forestry Research Officer: Nchemo Maile

LITHUANIA

LITHUANIAN FOREST RESEARCH INSTITUTE

Girionys, Kaunas Region

4312

Tel: 0127-744460

Fax: 0127-547446

Number of graduate staff: 035

Establishment date: 1950

Main research areas: ecology, economics, environment, forestry,
inventory, protection, silviculture, soils, wildlife

Director: Albertas Vasiliauskas

LUXEMBOURG

CENTRE D'ETUDES DE POPULATIONS, DE PAUVRETE ET DE
POLITIQUES SOCIO-ECONOMIQUES (CEPS/INSTED)

B.P. 65

L-7201 Walferdange

Tel: 352-333233/1

Fax: 352-332705

Number of graduate staff: 026

Establishment date: 1982

Main research areas: forestry, land-use policy, environment,
economics

Président: G. Schaber

MADAGASCAR

CENTRE NATIONAL DE LA RECHERCHE APPLIQUEE AU
DEVELOPPEMENT RURAL

B.P. 1690

Antananarivo 101

Tel: 25676

Number of graduate staff: 121

Establishment date: 1974

Main research areas: tree improvement, silviculture, soils, wood
technology, wildlife, agriculture, pathology

Directeur Général: François Rasolo

MALAWI**ENERGY STUDIES UNIT****P.O. Box 30452****Lilongwe 3****Tel: 265-722755****Fax: 265-784268****Telex: 44465 FORENAR MI****Number of graduate staff: 003****Establishment date: 1980****Main research areas: energy, economics, charcoal, fuelwood****Senior Energy Officer: Lewis B. Mhango****FOREST RESEARCH INSTITUTE OF MALAWI****P.O. Box 270****Zomba****Tel: 265-522866 x.548****Fax: 265-522****Telex: 43533****Number of graduate staff: 010****Establishment date: 1957****Main research areas: silviculture, tree improvement, protection, soils, wood technology, seeds****Assistant Chief Forestry Officer: L.A. Sitaubi****MALAYSIA****DEPARTMENT OF FORESTRY SABAH, FOREST RESEARCH CENTRE****P.O. Box 1407****90008 Sandakan, Sabah****Tel: 6089-531322****Fax: 6089-531068****Telex: MA 82016****Number of graduate staff: 015****Establishment date: 1974****Main research areas: natural forests, plantations, forest products, botany, ecology, entomology, hydrology, pathology, silviculture, vegetative propagation****Senior Research Officer: Lee, Ying Fah****DEPARTMENT OF FORESTRY SARAWAK, FOREST RESEARCH CENTRE****93660 Kuching, Sarawak****Tel: 6082-442180****Fax: 6082-441377****Cable: FORESTRY****Number of graduate staff: 011****Establishment date: 1951****Main research areas: silviculture, agroforestry, botany, soils, protection, ecology****Assistant Director: H.S. Lee**

DEPARTMENT OF FORESTRY SARAWAK, SILVICULTURE RESEARCH OFFICE**Alan Road****96000 Sibuan Sarawak****Tel: 6804-311637****Fax: 6804-310542****Cable: SRO FORESTRY****Number of graduate staff: 001****Establishment date: 1965****Main research areas: silviculture, natural forests, plantations, vegetative propagation****Forest Silviculture: Ernest O.K. Chai****DEPARTMENT OF FORESTRY SARAWAK, TIMBER RESEARCH AND TECHNICAL TRAINING CENTRE****93660 Kuching Sarawak****Tel: 6082-612211****Fax: 6082-612490****Number of graduate staff: 007****Establishment date: 1968****Main research areas: forest products, pulp and paper, wood chemistry, wood processing, wood technology****Assistant Director: John S K. Cheng****FOREST RESEARCH INSTITUTE MALAYSIA****Kepong****52109 Kuala Lumpur****Tel: 603-6342633****Fax: 603-6367753****Telex: FRIM-MA-27007****Number of graduate staff: 105****Establishment date: 1929****Main research areas: natural forests, plantations, environment, protection, wood technology, product development, non-wood forest products****Director-General: M.N. Salleh****UNIVERSITI PERTANIAN MALAYSIA, FACULTY OF FORESTRY****43400 UPM****Serdang****Tel: 603-9486101****Fax: 603-9483745****Telex: MA 37454 UNIPER****Number of graduate staff: 032****Establishment date: 1971****Main research areas: forest management, forest products, urban forestry, natural forests, plantations****Dean: Nik Muhamad Nik Majid**

MALI**INSTITUT D'ECONOMIE RURALE (IER)****Tel: 223-222606****Fax: 223-227637****Number of graduate staff: 202****Establishment date: 1991****Main research areas: agriculture, forestry, environment,
hydrology, land-use policy****Directeur General: Mamadou Goita****MAURITIUS****MINISTRY OF AGRICULTURE, FISHERIES AND NATURAL
RESOURCES, FORESTRY SERVICE****Botanical Garden Street****Curepipe****Tel: 6754966****Number of graduate staff: 003****Main research areas: forestry, ecology****Conservator of Forests: A.W. Owadally****MEXICO****CENTRO DE INVESTIGACION REGIONAL DEL SURESTE. INSTITUTO
NACIONAL DE INVESTIGACIONES FORESTALES Y
AGROPECUARIAS (SARH)****calle 62, 462 x 55 Depto.209****Mérida****Yucatán CP. 97000****Tel: 99-286652****Fax: 99-239303****Number of graduate staff: 023****Establishment date: 1985****Main research areas: forest management, plantations, tree
improvement, plantations, seeds, agroforestry****Regional Director: Fernando Patiño Valera**

**CENTRO DE INVESTIGACIONES ECOLOGICAS DEL SURESTE Y
CONSORCIO PARA LA CONSERVACION DE RECURSOS
NATURALES**

Carretera Panamericana
Apartado Postal 63
292090 San Cristóbal de las Casas
Chiapas

Tel: 919611-81883/81884

Fax: 919611-82322

Number of graduate staff: 003

Establishment date: 1974

Main research areas: ecology, conservation, agriculture,
silviculture, biodiversity, environment, forestry, GIS,
horticulture

Director: Pablo Farias Campero

**CENTRO DE INVESTIGACIONES FORESTALES, AGRICOLAS Y
PECUARIAS DE LA REGION CENTRAL**

Apartado Postal 10
Chapingo

Tel: 595-42877 x.144

Fax: 595-42188

Number of graduate staff: 016

Establishment date: 1932

Main research areas: forest management, plantations, soils, forest
products, marketing, agroforestry

Director: Rodrigo Aveldaño Salazar

**COLEGIO DE POSTGRADUADOS, PROGRAMA ACADEMICO
INTERDISCIPLINARIO FORESTAL**

km. 35.5 Carretera México-Texcoco
Montecillo

Tel: 91595-45265

Fax: 91595-45723

Number of graduate staff: 016

Establishment date: 1959

Main research areas: silviculture and management, genetic
resources, economics, physiology

Vocal Ejecutivo: Santiago Daniel Sánchez Avila

INSTITUTO DE BIOLOGIA, UNAM

Circuito Exterior, C.U.

Deleg. Gogoacan

México D.F. 04510

Tel: 525-6225710

Fax: 5488207

Number of graduate staff: 155

Establishment date: 1929

Main research areas: biodiversity, botany, conservation, ecology, entomology, genetic resources, GIS, natural forests, seeds, wildlife

Director: Antonio Lot Helgueras

INSTITUTO DE ECOLOGIA, A.C.

Apartado Postal 63

km 2.5 Antigua Carreterra a Coatepec

91000 Xalapa, Veracruz

Tel: 91281-86000

Fax: 91281-86910

Telex: 015542 INRBME

Number of graduate staff: 070

Establishment date: 1975

Main research areas: ecology, wildlife, conservation, biotechnology, soils, biometeorology, wood technology, arboreta

Director General: Gonzalo Halffer S.

INSTITUTO NACIONAL DE INVESTIGACIONES FORESTALES Y AGROPECUARIAS

Insurgentes Sur 694

Col. del Valle

C.P. 03100

Mexico D.F.

Tel: 6877474

Fax: 5363842

Number of graduate staff: 200

Establishment date: 1952

Main research areas: forest management, agroforestry, product development

Vocal de la Division Forestal: Hugo Manzanilla

LABORATORIO DE CIENCIA Y TECNOLOGIA DE LA MADERA (LACITEMA)

Apartado Postal 459

C.P. 91000 Xalapa

Veracruz

Tel: 52281-63275

Fax: 52281-63275

Number of graduate staff: 003

Establishment date: 1989

Main research areas: wood technology

Director General: Ramón Echenique-Manrique

SARH, CENTRO DE EDUCACION Y CAPACITACION FORESTAL N°1**Avenida Revolución 2****Col. Emiliano Zapata****Tel: 91452-43483/40851****Establishment date: 1953****Main research areas: forest management, product development****Director: Héctor Manuel Armendáriz Payán****UNIVERSIDAD AUTONOMA AGRARIA "ANTONIO NARRO",****DEPARTAMENTO FORESTAL****C.P. 25315****Buenavista, Saltillo****Coahuila****Tel: 91841-73022****Fax: 91841-73063****Telex: 381128 CIZAME****Number of graduate staff: 011****Establishment date: 1979****Main research areas: seeds, nursery, plantations, non-wood forest products, genetic resources, protection, wildlife****Director de Investigación: Jorge González Domínguez****UNIVERSIDAD AUTOTONOMA DE NUEVO LEON, FACULTAD DE CIENCIAS FORESTALES****Apartado Postal 41****C.P. 67 700 Linares, N.L.****Tel: 91821-24895****Fax: 91821-24505****Telex: 382989 UANLME****Number of graduate staff: 027****Establishment date: 1983****Main research areas: forest products, agroforestry, ecology, wood technology, wildlife, botany, protection****Director: José Alanís Flores****UNIVERSIDAD DE GUADALAJARA, INSTITUTO DE MADERA, CELULOSA Y PAPEL "ING. KARL AUGUSTIN GRELLMANN"****Apartado Postal 4-120****Guadalajara****Jal. 44000****Tel: 9136-137659/137660****Fax: 9136-137661****Telex: 0681744****Number of graduate staff: 030****Establishment date: 1974****Main research areas: silviculture, soils, protection, ecology, nursery, symbiotic associations, inventory, biotechnology, pulp and paper, wood technology****Director: Felipe de J. Ramirez Cano**

UNIVERSIDAD NACIONAL AUTONOMA, INSTITUTO DE BIOLOGIA

Ciudad Universitaria
Delegación de Coyoacan
04510 Mexico, D.F.

Tel: 91821-5505002

Fax: 91821-5488207

Number of graduate staff: 148

Establishment date: 1929

Main research areas: biology, biotechnology, pathology, ecology,
conservation, protection

Director: Antonio Lot Helgueras

MOROCCO**DIVISION DE RECHERCHES ET D'EXPERIMENTATIONS**

FORESTIERES (DREF)

Charia Omar Ibn Al Khattab

B.P. 763

Rabat-Agdal

Tel: 2127-770547

Fax: 212-7-773830

Telex: 36992 M

Number of graduate staff: 025

Establishment date: 1934

Main research areas: silviculture and management, tree
improvement, protection, wildlife, livestock management, forestry

Directeur de la DREF: Omar M'Hirit

MYANMAR**FOREST RESEARCH INSTITUTE**

Yezin

Pyinmana

Number of graduate staff:

Establishment date: 1978

Main research areas:

Director:

NAMIBIA

DIRECTORATE OF FORESTRY

P.B. 13184

Windhoek

Tel: 61-221478

Fax: 61-222830

Number of graduate staff: 002

Establishment date: 1991

Main research areas: agroforestry, fire, silviculture and management, tree improvement, protection

Deputy Director (Research): M.A.N. Muller

NEPAL

DEPARTMENT OF FORESTRY AND PLANT RESEARCH, FOREST RESEARCH DIVISION

P.O. Box 3339

Babar Mahal, Kathmandu

Tel: 9771-220479

Fax: 9771-411789

Telex: 2343 BRITEM NP

Number of graduate staff: 015

Establishment date: 1964

Main research areas: silviculture and management, soils, social forestry, natural forests, plantations, agroforestry, multi-purpose trees, nursery, non-wood forest products

Deputy Director-General: Kedar Prasad Prajapati

INSTITUTE OF AGRICULTURE AND ANIMAL SCIENCE

Rampur

Chitwan, Narayani Zone

Tel: 56-21211

Number of graduate staff: 004

Establishment date: 1972

Main research areas: agroforestry, social forestry, nursery

Director: Fanindra Prasad Neapane

NETHERLANDS

**BUILDING AND CONSTRUCTION RESEARCH CENTRE/CENTRE FOR
TIMBER RESEARCH (TNO)**

P.O. Box 49
2600 AA Delft

Tel: 3115-842000

Fax: 3115-843990

Number of graduate staff: 010

Establishment date: 1932

Main research areas: wood technology, wood chemistry, product
development

Director: J. Witteveen

**DELFT UNIVERSITY OF TECHNOLOGY, FACULTY OF CIVIL
ENGINEERING, STEVIN LABORATORY**

P.O. Box 5048
2600 GA Delft

Tel: 3115-781837

Fax: 3115-611465

Telex: 38151 BUTUD NL

Number of graduate staff: 008

Establishment date: 1864

Main research areas: product development

Professor: T.A.C.M. van der Put

FOUNDATION FOR FOREST AND FOREST PRODUCTS

P.O. Box 253
6700 AG Wageningen

Tel: 318370-24666

Fax: 318370-10247

Number of graduate staff: 004

Establishment date: 1965

Main research areas: forest policy, economics, forest products,
marketing

Director: J.M. Dielen

INSTITUTE FOR FORESTRY AND NATURE RESEARCH (DHO)

P.O. Box 23
6700 AA Wageningen

Tel: 8370-95111

Fax: 8370-24988

Telex: 45055 DORSK NL

Number of graduate staff: 076

Establishment date: 1947

Main research areas: forestry, natural forests

Chief: A.B.J. Sepus

**INTERNATIONAL INSTITUTE FOR AEROSPACE SURVEY AND EARTH
SCIENCE (ITC)****P.O. Box 6****7500 AA Enschede****Tel: 53-874444****Fax: 53-874400****Telex: 44525 ITC NL****Cable: AERSUR****Number of graduate staff: 200****Establishment date: 1951****Main research areas: conservation, remote sensing, gis****Research Coordinator for Conservation of Tropical Rain Forests:****W. van Wyngaarden****RIKSHERBARIUM/HORTUS BOTANICUS****P.O. Box 9514****2300 RA Leiden****Tel: 3171-273515****Fax: 3171-273511****Telex: 39427 BURUL NL****Number of graduate staff: 026****Establishment date: 1829****Main research areas: botany, horticulture****Scientific Director: P. Baas****RIKSWATERSTAAT, DIRECTORATE FLEVOLAND****P.O. Box 600****8200 AP Lelystad****Tel: 3200-99111****Fax: 3200-34300****Number of graduate staff: 015****Establishment date: 1989****Main research areas: ecology, soils, hydrology, agriculture,
remote sensing****Head of Research Department: K.S. Geitsma****TROPENBOS FOUNDATION****P.O. Box 232****6700 AE Wageningen****Tel: 318370-26262****Fax: 318370-23024****Number of graduate staff: 003****Establishment date: 1988****Main research areas: biodiversity, ecology, forest management,
forestry, gis, hydrology, land-use policy, non-wood forest
products, soils, vegetative propagation****Director: E.M. Lammerts Van Bueren**

**UNIVERSITY OF GRONINGEN, DEPARTMENT OF PHYSICAL
GEOGRAPHY****Kerklaan 30****9751 NN Haren****Tel: 3150-636133****Fax: 3150-635205****Telex: 53410 RUGRO NL****Number of graduate staff: 008****Establishment date: 1975****Main research areas: hydrology, biometeorology****Head of Department: A.W.L. Veen****WAGENINGEN AGRICULTURAL UNIVERSITY, DEPARTMENT OF
FORESTRY****P.O. Box 342****6700 AH Wageningen****Tel: 318370-84426****Fax: 318370-83542****Telex: 45015 BLUWG NL****Number of graduate staff: 045****Establishment date: 1883****Main research areas: ecology, silviculture and management, soils,
wood technology, forest policy****Professors: A. van Maaren and R.A.A. Oldeman****NEW CALEDONIA****CENTRE DE NOUVELLE-CALEDONIE, CENTRE TECHNIQUE
FORESTIER TROPICAL****B.P. 10.001****Nouméa****Tel: 687-274855/284105****Fax: 687-284927****Number of graduate staff: 002****Establishment date: 1972****Main research areas: silviculture and management, tree
improvement, afforestation****Directeur: M. Loïc Cremière**

NEW ZEALAND

NZ FOREST RESEARCH INSTITUTE Ltd

Private Bag 3020

Rotorua

Tel: 64-7-3745899

Fax: 64-7-3479380

Number of graduate staff: 200

Establishment date: 1947

Main research areas: silviculture and management, economics, protection, ecology, forest products, pulp and paper, wood technology, harvesting, mensuration

Chief Director: Frank Wood

UNIVERSITY OF CANTERBURY, SCHOOL OF FORESTRY

Private Bag

Christchurch

Tel: 3-642127

Fax: 3-642124

Number of graduate staff: 030

Establishment date: 1970

Main research areas: wood technology, forestry

Head, School of Forestry: G.B. Sweet

NIGER

DEPARTEMENT DES RECHERCHES FORESTIERES (INRAN)

B.P. 429

Niamey

Tel: 722714/722729

Fax: 724956

Telex: 5481 NY

Number of graduate staff: 002

Establishment date: 1975

Main research areas: tree improvement, agroforestry, forest management

General Director: Mamadou Ouhara

INTERNATIONAL CROPS RESEARCH INSTITUTE FOR THE SEMI-ARID TROPICS (ICRISAT), CENTRE SAHELIE

B.P. 12404

Niamey

Tel: 227/722725

Fax: 227/734329

Telex: 5406

Number of graduate staff: 024

Establishment date: 1981

Main research areas: agroforestry

Directeur Exécutif: C. Renard

NIGERIA

BAYERO UNIVERSITY, GEOGRAPHY DEPARTMENT

PMB 3011

Kano

Cable: Unibayero, Kano

Number of graduate staff: 013

Establishment date: 1973

Main research areas: fuelwood, land-use policy

Head of Department: E.A.Olofin

FORESTRY RESEARCH INSTITUTE OF NIGERIA

Forestry Hill

PMB 5054

Ibadan

Tel: 22-414441/414073

Telex: 31207

Cable: FORSEARCH

Number of graduate staff: 065

Establishment date: 1954

Main research areas: agroforestry, wildlife, forest products,
forestry

Director: Philip R.O. Kio

UNIVERSITY OF IBADAN, DEPARTMENT OF AGRICULTURAL
ENGINEERING, WOOD PRODUCTS ENGINEERING UNIT

Ibadan

Tel: 22-405500

Number of graduate staff: 003

Establishment date: 1948

Main research areas: chemical products, wood technology,
energy, pulp and paper

Head of Department: F.O. Aboaba

USMANU DANFONYO UNIVERSITY, FACULTY OF AGRICULTURE,
DEPARTMENT OF FORESTRY AND FISHERIES

Tel: 60-232058

Telex: 73134 UDUSOK

Cable: UDUSOKOTO

Number of graduate staff: 005

Establishment date: 1980

Main research areas: silviculture, forestry

Head of Department: A.M. Awodola

NORWAY

AGRICULTURAL UNIVERSITY OF NORWAY, DEPARTMENT OF FORESTRY

P.O. Box 5044

N-1430 Ås

Tel: 47-64948880

Fax: 47-64948890

Telex: 77125 NLHBI

Number of graduate staff: 025

Establishment date: 1898

Main research areas: silviculture and management, wood technology, harvesting, economics

Head of Department: Asbjørn Svendsrud

NORSK TRETEKNISK INSTITUTT

Forskningsveien 3B

0314 Oslo

Tel: 2-965500

Fax: 2-604291

Number of graduate staff: 017

Establishment date: 1949

Main research areas: wood technology, wood processing

Research Director: Rolf Birkeland

NORWEGIAN FOREST RESEARCH INSTITUTE

Høgskoleveien 12

N-1432 Ås

Tel: 9-949000

Fax: 9-942980

Number of graduate staff: 050

Establishment date: 1917

Main research areas: ecology, silviculture, protection, harvesting, wood technology, economics

Director: Hans-Olav Moen

NORWEGIAN PULP AND PAPER RESEARCH INSTITUTE

P.O. Box 115 Vinderen

0319 Oslo 3

Tel: 472-140090

Fax: 472-468014

Telex: 78171

Number of graduate staff: 018

Establishment date: 1923

Main research areas: pulp and paper

Managing Director: Kristen Frøtheim

PAKISTAN

ATOMIC ENERGY AGRICULTURAL RESEARCH CENTRE

Tando Jam

Tel: 221-40468,40478

Cable: AGRATOM

Number of graduate staff: 060

Establishment date: 1963

Main research areas: silviculture, forest health, tree improvement,
soils, entomology

Director: A.R. Azmi

NUCLEAR INSTITUTE FOR AGRICULTURE AND BIOLOGY (NIAB)

P.O. Box 128

Jhang Road

Faisalabad 38000

Tel: 92-0411-619726/30

Telex: 43356 NIAB PK

Cable: NIAB

Number of graduate staff: 101

Establishment date: 1972

Main research areas: agriculture, entomology, soils, ecology,
environment, hydrology, pathology, physiology, nutrition, pests

Director: S.H. Mujtaba Naqvi

PAKISTAN FOREST INSTITUTE

Tel: 0521-40580

Fax: 0521-42457

Telex: PAKFI

Number of graduate staff: 068

Establishment date: 1947

Main research areas: forestry, forest products

Director-General: K.M. Siddiqui

PANAMA

INSTITUTO NACIONAL DE RECURSOS, NATURALES RENOVABLES
(INRENARE)

Paraiso - ANCON- apartado #2016

Panama

Tel: 32-4870,4518

Fax: 32-4975

Cable: 32-4377

Number of graduate staff: 005

Establishment date: 1986

Main research areas: protection, agroforestry, forest products,
seeds, tree improvement

Jefe del Proyecto: Daisy Gonzales

PAPUA NEW GUINEA**FOREST RESEARCH INSTITUTE****P.O. Box 314****Lae****Tel: 675-424188****Fax: 675-424357****Number of graduate staff: 025****Establishment date: 1989****Main research areas: forest management, forest products,
protection, botany****Director: P.B.L. Srivastava****PARAGUAY****INSTITUTO NACIONAL DE TECNOLOGIA Y NORMALIZACION (INTN)****Avenida General Artigas y General Roa****C.C. 967****Asunción****Tel: 290160/290516****Fax: 290873****Telex: 22910****Cable: INTN****Number of graduate staff: 003****Establishment date: 1963****Main research areas: entomology, charcoal, forest products,
fuelwood, wood processing, wood technology****Director General: Sergio Guarani von Horoch****PERU****INSTITUTO DE INVESTIGACIONES DE LA AMAZONIA PERUANA (IIAP)****Avenida Abelardo Quiñonez km 2.5****Tel: 51094-232915/231579****Fax: 51094-235527****Telex: 91085 PE-IIAPIQ****Number of graduate staff: 080****Establishment date: 1980****Main research areas: soils, wildlife, genetic resources, economics,
hydrology, biology****President: Roger Benzville Zumaeta**

INSTITUTO NACIONAL DE INVESTIGACION AGRARIA Y**AGROINDUSTRIAL (INIAA)****Avenida La Universidad S/N****La Molina, Lima 12****Tel: 5114-350141****Fax: 5114-361283****Number of graduate staff: 016****Establishment date: 1978****Main research areas: silviculture and management, genetic resources, conservation, wood processing, wood technology, silviculture, plantations, agroforestry, wildlife****Director General: Humberto Tasaico****PHILIPPINES****CENTRAL MINDANAO UNIVERSITY, COLLEGE OF FORESTRY****University Town****Musuan, Bukidnon****Number of graduate staff: 023****Establishment date: 1963****Main research areas: agroforestry, multi-purpose trees, silviculture****Dean, College of Forestry: Amado M. Exile, Jr.****VISAYAS STATE COLLEGE OF AGRICULTURE, DEPARTMENT OF FORESTRY****Visca, Babay****Leyte****Tel: 632-5212027/99867****Fax: 632-588692****Number of graduate staff: 011****Establishment date: 1974****Main research areas: agroforestry, afforestation, biodiversity conservation, multi-purpose trees, ecology, silviculture and management, watersheds, forestry****President: Mariano R. Villanueva****ECOSYSTEMS RESEARCH AND DEVELOPMENT BUREAU (ERDB)****Los Baños****College, Laguna 4031****Tel: 6394-3221/3481****Fax: 6394-3628****Number of graduate staff: 131****Establishment date: 1974****Main research areas: natural forests, forest management, forestry, fuelwood, non-wood forest products, plantations, protection, social forestry, watersheds, wildlife****Director: Carlos C. Tomboc**

FOREST PRODUCTS RESEARCH AND DEVELOPMENT INSTITUTE

College, Laguna 4031

Tel: 2360/2377

Telex: PARRS PM 40860

Number of graduate staff: 190

Establishment date: 1954

Main research areas: wood technology, pulp and paper, chemical products, product development, marketing

Director: Emmanuel D. Bell

GEOBION SPECIALISTS ASSOCIATION, INC

Malacampa, Camiling

c/o L.T. Salvador

Tarlac 2306

Number of graduate staff: 015

Main research areas: agroforestry, environment, forest management, inventory, land-use policy, multi-purpose trees, plantations, watersheds

President: Luzon T. Salvador

ISABELA STATE UNIVERSITY, COLLEGE OF FORESTRY

Garita Heights

Cabagan, Isabela

Number of graduate staff: 035

Establishment date: 1978

Main research areas: fuelwood, multi-purpose trees, environment, agroforestry, silviculture, forest management

Dean: Roger Z. Guzman

PAPER INDUSTRIES CORPORATION OF THE PHILIPPINES, FOREST RESEARCH DEPARTMENT

Tabon

Bislig, Surigao del Sur

Tel: 632-62511

Fax: 632-8175423

Telex: 24733

Number of graduate staff: 016

Establishment date: 1978

Main research areas: silviculture, soils, tree improvement, economics, protection, biometrics

Manager: Antonio V. Glori

**TARLAC COLLEGE OF AGRICULTURE (TCA), INSTITUTE OF
FORESTRY AND ENVIRONMENTAL STUDIES**
Camiling, Tarlac 2306

Tel: 216

Number of graduate staff: 018

Establishment date: 1978

**Main research areas: afforestation, agroforestry, social forestry,
soils, watersheds, forest policy**

Director of Research and Development: Rosita Mendoza

UNIVERSITY OF EASTERN PHILIPPINES

University Town, Northern Samar

Catarman 6400

Number of graduate staff: 004

Establishment date: 1964

**Main research areas: agroforestry, social forestry, conservation;
horticulture, ecology, silviculture and management, nursery,
non-wood forest products**

Director of Research: Perfecto N. Dipon

**UNIVERSITY OF THE PHILIPPINES AT LOS BANOS, COLLEGE OF
FORESTRY**

College, Laguna 4031

Tel: 6394-3206

Fax: 6394-3206

Telex: 4163 PTTLB PU

Number of graduate staff: 090

Establishment date: 1910

**Main research areas: biology, silviculture and management, social
forestry, wood technology**

Chief of Research: Portia G. Lapitan

POLAND

**AGRICULTURAL UNIVERSITY OF KRAKOW, DEPARTMENT OF
FOREST AND WOOD UTILIZATION**

ul. 29-Lipostada 46

31-425 Kraków

Tel: 119144 x.582

Fax: 336235

Telex: 322469 AR PL

Number of graduate staff: 020

Establishment date: 1963

**Main research areas: harvesting, work safety, wood technology,
wood processing, chemical products**

Head of Department: Zenon Muszynski

AGRICULTURAL UNIVERSITY OF KRAKOW, FACULTY OF FORESTRY**al. 29 Listopada 46****31-425 Krakow****Tel: 04812-119144****Fax: 04812-336245****Telex: 322469 AR PL****Number of graduate staff: 082****Establishment date: 1945****Main research areas: natural forests, forest health, forestry****Dean: Stefan Kowalski****AGRICULTURAL UNIVERSITY OF POZNAN, FACULTY OF FORESTRY****ul. Wojska Polskiego 28****60637 Poznan****Tel: 4861-224581 x.128****Fax: 4861-411022/44125****Telex: 0413322 ARpl****Number of graduate staff: 075****Main research areas: botany, mensuration, economics, entomology, pathology, soils, wildlife, silviculture, engineering, mechanization, protection****Dean: Boguslav Frizinski****AGRICULTURAL UNIVERSITY OF POZNAN, FACULTY OF WOOD TECHNOLOGY****ul. Wojska Polskiego 38/42****60637 Poznan****Tel: 4861-224581 x.123****Fax: 4861-411022/44125****Telex: 0413322****Number of graduate staff: 102****Establishment date: 1951****Main research areas: economics, wood technology, engineering, wood processing, work safety, wood chemistry****Dean: Wlodzimierz Pradzynski****DEPARTMENT OF FOREST UTILIZATION AND ENGINEERING****26/30 Rakowiecka Street****02-528 Warsaw****Tel: 497074****Telex: 814790 SGGW PL****Number of graduate staff: 036****Establishment date: 1920****Main research areas: forest products, work safety, harvesting****Chairman of Department: Zbigniew Laurow**

POLISH ACADEMY OF SCIENCE, INSTITUTE OF DENDROLOGY

ul. Parkowa 5
62-035 Kornik

Tel: 4861-170033/170049

Fax: 4861-170166

Number of graduate staff: 046

Establishment date: 1933

Main research areas: botany, physiology, tree improvement,
ecology, seeds, forest health, arboreta, environment, genetic
resources, vegetative propagation

Director: Wladyslaw Bugala

**RESEARCH AND DEVELOPMENT CENTRE FOR WOOD-BASED
PANELS**

ul. Mickiewicza 10
83-262 Czarna Woda

Tel: 8216

Fax: 8716

Telex: 0512470 OBR CW PL

Number of graduate staff: 020

Establishment date: 1974

Main research areas: wood technology, wood processing,
environment, product development, forest products, work safety,
engineering

Director-General: Piotr Ferens

THE FOREST RESEARCH INSTITUTE

ul. Bitwy Warszawskiej 1920 r. Nr 3
00-973 Warsaw

Tel: 4822-224932

Fax: 4822-224935

Telex: 812476

Number of graduate staff: 246

Establishment date: 1930

Main research areas: silviculture, environment, economics,
protection, wildlife, hydrology, mechanization, non-wood forest
products, biodiversity, forest health

Director-General: Andrzej Kłoczek

WARSAW AGRICULTURAL UNIVERSITY, FACULTY OF FORESTRY

ul. Rakowiecka 26/30
02-528 Warsaw

Tel: 4822-491179

Fax: 4822-491375

Telex: 814790 SGGW PL

Number of graduate staff: 058

Establishment date: 1816

Main research areas: forestry

Dean: Andrzej Grzywacz

WOOD TECHNOLOGY INSTITUTE

ul. Winiarska 1

60-654 Poznan

Tel: 4861-224081

Fax: 4861-224372

Telex: 0413505

Number of graduate staff: 070

Establishment date: 1952

Main research areas: wood technology, wood chemistry, wood processing, economics, product development, conservation, engineering, environment, marketing, mechanization

Director-General: E. Urbanik

PORTUGAL**CELULOSE BEIRA INDUSTRIAL (CELBI) S.A.**

Quinta do Furadouro

2510 Obidos

Tel: 35162-969124

Fax: 35162-969345

Number of graduate staff: 008

Establishment date: 1984

Main research areas: entomology, vegetative propagation, tree improvement

Chief of Research: Paul P. Cotterill

CENTRO DE ESTUDOS DE TECNOLOGIA FLORESTAL

Tapada da Ajuda

1300 Lisboa

Tel: 1-3634662

Number of graduate staff: 005

Establishment date: 1948

Main research areas: wood technology, wood chemistry, afforestation, multi-purpose trees

Director: Raul Manuel de Albuquerque Sardinha

DEPARTAMENTO DE ENGENHARIA FLORESTAL OF INSTITUTO SUPERIOR DE AGRONOMIA

Tapada da Ajuda

1399 Lisboa Codes

Tel: 3511-3634667

Fax: 3511-3645000

Telex: 44700 ISATEL P

Number of graduate staff: 008

Establishment date: 1917

Main research areas: silviculture and management, mensuration, gis, wood technology, pulp and paper

Head of Department: Joao Santos Pereira

**NATIONAL FOREST RESEARCH STATION, ESTACAO FLORESTAL
NACIONAL****Tapada das Necessidades****Rua do Borja, 2****1300 Lisboa****Tel: 1-601661****Fax: 1-3973163****Number of graduate staff: 047****Establishment date: 1977****Main research areas: silviculture and management, protection,
economics, forest policy, forest products****Director: Raul Manuel de Albuquerque Sardinha****NATIONAL FOREST RESEARCH STATION, FOREST PRODUCTS
TECHNOLOGY DEPARTMENT****Candido dos Reis, 56****P-2460 Alcobaca****Tel: 35162-42315****Fax: 35162-596221****Number of graduate staff: 004****Establishment date: 1978****Main research areas: forest products, wood technology, chemical
products, wood chemistry****Chief of Research: Albino de Carvalho****PORTUCEL, EMPRESA DE CELULOSE E PAPEL DE PORTUGAL S.A.****Av. Joao Crisóstomo 52-1ª****1000 Lisboa****Tel: 576020****Fax: 576599****Number of graduate staff: 008****Establishment date: 1986****Main research areas: vegetative propagation, ecology, protection,
tree improvement, eucalyptus, symbiotic associations****Chief of Research: Fernando A.C. Conceição Coucelo****SOPORCEL, SOCIEDAD PORTUGUESA DE CELULOSA, S.A.****Quinta da Torre Bela****P.O. Box 15****2065 Alcoentre****Tel: 63-44305****Fax: 63-44289****Number of graduate staff: 009****Establishment date: 1986****Main research areas: tree improvement, protection, physiology,
pulp and paper, environment****Chief of Research: Cristina Marques de Almeida**

PUERTO RICO

USDA FOREST SERVICE, INSTITUTE OF TROPICAL FORESTRY
 Call Box 25,000
 Rio Piedras, PR 00928-2500
 Tel: 809-7665335
 Fax: 809-2506924
 Number of graduate staff: 016
 Establishment date: 1939
 Main research areas: silviculture and management, watersheds, wildlife
 Director: Ariel E. Lugo

ROMANIA

FOREST RESEARCH AND MANAGEMENT INSTITUTE
 Bucuresti
 sector 2, code 72904 OF.P. 11
 Soseaua Stefanesti No. 128
 Tel: 04-6556845
 Number of graduate staff: 440
 Main research areas: biometrics, ecology, economics, forest management, genetic resources, mechanization, mensuration, plantations, silviculture, soils
 Director: Ioan Secelnanu

UNIVERSITY "TRANSILVANIA" OF BRASOV, FACULTY OF SILVICULTURE
 B-dul. Eroilor nr. 29
 2200 Brasov
 Tel: 4092-41580
 Fax: 4092-50274
 Number of graduate staff: 003
 Establishment date: 1948
 Main research areas: remote sensing
 Pro-rector of University: Florin Andreescu

UNIVERSITY "TRANSILVANIA" OF BRASOV, FACULTY OF SILVICULTURE AND FOREST ENGINEERING
 Strul Beethoven nr. 1
 2200 Brasov
 Tel: 4092-152430/143735
 Number of graduate staff: 045
 Establishment date: 1948
 Main research areas: silviculture, forest management, ecology, genetic resources, harvesting, forest products, afforestation, biometrics, forest health, mechanization, operations research, watersheds
 Dean: Jon I. Florescu

**UNIVERSITY "TRANSILVANIA" OF BRASOV, FACULTY OF
WOODWORKING INDUSTRY**

1 St. Colina Universitatii/Corp L
2200 Brasov

Tel: 4092-15315

Number of graduate staff: 035

Establishment date: 1953

Main research areas: product development, wood technology,
wood processing

Dean: Victor Dogaru

RUSSIA**CENTRAL RESEARCH INSTITUTE OF FOREST GENETICS AND
BREEDING**

Lomonosov str., 105
Voronezh 394043

Tel: 564189/528303

Telex: 653866 TUMAN

Number of graduate staff: 069

Establishment date: 1971

Main research areas: genetic resources, tree improvement, seeds

Director: A.I. Iroshnikov

**THE RUSSIAN INSTITUTE OF FOREST SPECIALISTS EDUCATION AND
TRAINING**

Pushkino, Moscow District 141200

Tel: 5843644

Fax: 4053635

Number of graduate staff: 032

Establishment date: 1962

Main research areas: economics, forestry, protection, harvesting

Rector: Petrov Anatoly P.

RWANDA**DEPARTEMENT DE FORESTERIE, INSTITUT DES SCIENCES
AGRONOMIQUES DU RWANDA (ISAR)**

Boîte 617
Butare

Tel: 30642/30643

Fax: 30644

Number of graduate staff: 007

Establishment date: 1962

Main research areas: silviculture and management, agroforestry,
pathology

Chef du Département de Foresterie: Isaac Kabera

SENEGAL

**DIRECTION DE RECHERCHES SUR LES PRODUCTIONS F
FORESTIERES**

B.P. 2312

Dakar

Tel: 221-323219

Fax: 221-329617

Telex: 61117SG

Number of graduate staff: 020

Establishment date: 1964

**Main research areas: silviculture and management, genetic
resources, agroforestry, ecology, physiology, biology**

Directeur de Recherches: Pap Ndiengou Sall

**UNIVERSITE CHAIKH ANTA DIOP, FACULTE DES SCIENCES ET
TECHNIQUES, INSTITUT DES SCIENCES DE L'ENVIRONNEMENT
(ISE)**

Dakar

Tel: 221-242302

Number of graduate staff: 004

Establishment date: 1978

Main research areas: botany, inventory, forest management

Director: Amadou Tidiane

SLOVAK REPUBLIC

FOREST RESEARCH INSTITUTE

T.G. Masaryka 22

960 92 Zvolen

Tel: 0042-855-27311

Fax: 0042-855-23397

Telex: 72284-VULHZ

Number of graduate staff: 081

Establishment date: 1898

**Main research areas: afforestation, environment, forest
management, economics, ecology, harvesting, nursery, protection,
remote sensing, silviculture**

Director: Jozef Remis

STATE FOREST PRODUCTS RESEARCH INSTITUTE**Lamacska 1****833 30 Bratislava****Tel: 427-371087****Fax: 427-372063****Telex: 09333 SDVU****Number of graduate staff: 045****Establishment date: 1940****Main research areas: wood technology, wood processing, wood chemistry, biotechnology, conservation, ecology, product development****Director: Stefan Steller****SLOVENIA****INSTITUTE FOR FOREST AND WOOD ECONOMY****Vecna pot 2****61000 Ljubljana****Tel: 3861-268963****Fax: 3861-273589****Number of graduate staff: 034****Establishment date: 1947****Main research areas: ecology, forestry, forest health, gis, wildlife, inventory, pathology, seeds, soils, symbiotic associations****Director: Marko Kmecl****SOLOMON ISLANDS****MINISTRY OF NATURAL RESOURCES , FORESTRY DIVISION, FOREST RESEARCH CENTRE****P.O. Box 79****Munda, Western Province****Tel: 61082****Number of graduate staff: 001****Main research areas: silviculture, seeds****Senior Forest Officer (Research): Semion Iputu**

SOUTH AFRICA

DIVISION OF FOREST SCIENCE AND TECHNOLOGY (FORESTEK)**CSIR****P.O. Box 395****Pretoria, 0001 RSA****Tel: 2712-8412683****Fax: 2712-8412689****Telex: 3-21312 SA****Number of graduate staff: 115****Establishment date: 1990****Main research areas: forestry, forest products, ecology, agroforestry, conservation, environment, land-use policy, remote sensing, silviculture and management, symbiotic associations, tree improvement, wood technology****Director: F.J. Kruger****INSTITUTE FOR COMMERCIAL FORESTRY RESEARCH****P.O. Box 375****Pietermaritzburg 3200****Tel: 27331-62314****Fax: 27331-68905****Number of graduate staff: 033****Establishment date: 1946****Main research areas: forestry, tree improvement, nutrition, afforestation, entomology, eucalyptus, mensuration, pathology, silviculture and management, soils, weeds****Director: Peter J.T. Roberts****SAPPI FORESTS - RESEARCH****P.O. Box 473****Howick 3290, Natal****Tel: 270332-302455****Fax: 270332-304938****Number of graduate staff: 009****Establishment date: 1985****Main research areas: tree improvement, vegetative propagation, forest management****General Manager - Research: M.J.P. Shaw**

UNIVERSITY OF STELLENBOSCH, FACULTY OF FORESTRY**Private Bag****Stellenbosch 7599****Tel: 2231-773322****Fax: 2231-773603****Telex: SA 520383****Number of graduate staff: 030****Establishment date: 1932****Main research areas: conservation, biology, ecology, wildlife, soils, harvesting, energy, pulp and paper, wood technology****Dean: H.F. Vermaas****SPAIN****CELULOSAS DE ASTURIAS (CEASA)****Jose Lazaro Galdiano 6 1ª IZDA****28036 Madrid****Tel: 341-4571060****Fax: 341-4587624****Number of graduate staff: 004****Establishment date: 1989****Main research areas: agroforestry, biotechnology, eucalyptus, forest management, forest statistics, multi-purpose trees, nursery, nutrition, pulp and paper****Jefe de Investigacion: Oscar Fernandez Carro****CENTRO DE INVESTIGACIONES FORESTALES****Apartado 127****36080 Pontevedra****Tel: 986-856400****Fax: 986-856420****Number of graduate staff: 019****Establishment date: 1943****Main research areas: ecology, hydrology, silviculture, tree improvement, protection****CENTRO TECNICO DE LA MADERA DEL PAIS VASCO, S.A.****Granja Modelo Arkaute****Apartado 46****01080 Vitoria Gasteiz****Tel: 945-281366****Fax: 945-281422****Number of graduate staff: 003****Establishment date: 1985****Main research areas: wood technology****Jefe de Investigación: Jesús Mª Eizmendi**

ESCUELA TECNICA SUPERIOR DE INGENIEROS DE MONTES

Ciudad Universitaria, s/n
28040 Madrid

Tel: 91-3367090

Fax: 91-3367093

Number of graduate staff: 114

Establishment date: 1848

Main research areas: forest management, tree improvement, hydrology, protection, wildlife, landscape architecture, wood technology, pulp and paper

INSTITUTO NACIONAL DE INVESTIGACION Y TECNOLOGIA AGRARIA Y ALIMENTARIA (INIA)

C\ José Abascal 56
28003 Madrid

Tel: 91-3473900

Fax: 91-4423587

Number of graduate staff: 035

Establishment date: 1971

Main research areas: ecology, hydrology, silviculture, forest management, tree improvement, protection, wood technology, pulp and paper

INSTITUTO NACIONAL PARA LA CONSERVACION DE LA NATURALEZA (ICONA)

Gran Vía de San Francisco, 4
28005 Madrid

Tel: 3476000

Fax: 2658379

Number of graduate staff: 006

Establishment date: 1972

Main research areas: protection, tree improvement, forest health
Director General: Santiago Marraco Solana

UNIDAD DE RECURSOS FORESTALES, SERVICIO DE INVESTIGACION AGRARIA

Diputación General de Aragón
Apartado 727
50080 Zaragoza

Tel: 976-576311

Fax: 976-575501

Number of graduate staff: 005

Establishment date: 1980

Main research areas: tree improvement, silviculture
Head of Research: Antonio Padro

**UNIVERSITAT AUTONOMA DE BARCELONA, CENTRE DE RECERCA
ECOLOGICA I APLICACIONS FORESTALS (CREAF)****Fac. Ciències****08193 Bellaterra (Barcelona)****Tel: 93-5811312****Fax: 93-5811321****Number of graduate staff: 012****Establishment date: 1987****Main research areas: ecology, inventory****SRI LANKA****FOREST DEPARTMENT****82, Rajamalwatte Road****Battaramulla****Tel: 941-566631/33****Fax: 941-580089****Cable: FORESTS COLOMBO****Number of graduate staff: 007****Establishment date: 1887****Main research areas: silviculture, tree improvement, agroforestry,
environment, non-wood forest products, protection****Addl. Conservator of Forests (Research): K. Vivekanandan****UNIVERSITY OF PERADENIYA, FACULTY OF AGRICULTURE****Peradeniya****Tel: 941-88041****Fax: 941-32572****Number of graduate staff: 003****Establishment date: 1947****Main research areas: agroforestry, ecology, hydrology, tree
improvement****Dean: H.P.M. Gunasena****SUDAN****FORESTRY RESEARCH CENTRE (SOBA)****P.O. Box 7089****Khartoum****Number of graduate staff: 027****Establishment date: 1962****Main research areas: seeds, silviculture, wood technology,
botany, tree improvement, physiology, agroforestry, desertification****Director: Hassan A. Musnad**

SURINAME**SURINAME FOREST SERVICE, RESEARCH DIVISION**

Corn. Jongbaw Str. No. 10-15

P.O. Box 436

Paramaribo

Tel: 476118

Fax: 410256

Number of graduate staff: 003

Establishment date: 1969

Main research areas: silviculture and management

Chief of Research: Kun Ming Tjon

SWAZILAND**USUTU PULP COMPANY FOREST RESEARCH SECTION**

Private Bag

Mbabane

Tel: 83248

Fax: 74434

Telex: 2003WD or 2013 WD

Cable: CARIBAEA

Number of graduate staff: 005

Establishment date: 1987

Main research areas: tree improvement, silviculture, pulp and paper

Forest Research Manager: Andrew Morris

SWEDEN**FORESTRY RESEARCH INSTITUTE**

P.O. Box 1184

S-16422 Kista

Tel: 468-7507220

Fax: 468-7509677

Number of graduate staff: 060

Establishment date: 1992

Main research areas: forestry, ecology, harvesting, forest management, silviculture and management, harvesting, mechanization, nutrition, tree improvement, work safety

Managing Director: Jan Friik

INSTITUTE FOR FOREST IMPROVEMENT**P.O. Box 7007****S-750 07 Uppsala****Tel: 4618-671000****Fax: 4618-309447****Number of graduate staff: 021****Establishment date: 1966****Main research areas: tree improvement, nutrition****Director: Karl-Rune Samuelsson****LULEA UNIVERSITY, DEPARTMENT OF WOOD TECHNOLOGY****Skeria 3****S-931 87 Skellefteå****Tel: 46910-65300****Fax: 46910-65399****Number of graduate staff: 015****Establishment date: 1981****Main research areas: wood technology, wood processing****Professor: Anders Grönlund****SWEDEN UNIVERSITY OF AGRICULTURAL SCIENCE, DEPARTMENT
OF OPERATIONAL EFFICIENCY****S-770 73 Garpenberg****Tel: 46225-26000****Fax: 46225-26100****Telex: 74551****Number of graduate staff: 040****Establishment date: 1949****Main research areas: forestry****Head of department: Mårten Carlsson****SWEDISH INSTITUTE FOR WOOD TECHNOLOGY RESEARCH
(TRATEK)****P.O. Box 5609****S-114 86 Stockholm****Tel: 468-145300****Fax: 468-116188****Number of graduate staff: 085****Establishment date: 1984****Main research areas: wood technology, wood processing, product
development****Managing Director: Olle Stendahl**

**SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES, DEPARTMENT
OF PLANT & FOREST PROTECTION, DIVISION OF FOREST
ENTOMOLOGY**

**P.O. Box 7044
S-75007 Uppsala**

Tel: 4618-671000,672331

Fax: 4618-301726

Telex: 76942 AGRUNI

Number of graduate staff: 016

Establishment date: 1915

**Main research areas: entomology, protection, forest health,
conservation, ecology**

Head of Division: Hubertus H. Eidmann

**SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES, FOREST
INDUSTRY MARKET STUDIES**

**P.O. Box 7054
S-75007 Uppsala**

Tel: 4618-671000

Fax: 4618-673522

Telex: 769 42 AGRINU S

Number of graduate staff: 027

Establishment date: 1983

Main research areas: economics, forest policy, forest products

Professor: Goran Lonner

SWITZERLAND

DEPARTMENT OF FOREST AND WOOD RESEARCH (ETH)

**ETH-Zentrum
CH-8092 Zuerich**

Tel: 411-2563217

Fax: 411-2520192/2614119

Telex: 817379

Number of graduate staff: 060

Establishment date: 1990

**Main research areas: inventory, silviculture, pathology, botany,
engineering, wood technology, forest policy, economics,
mensuration, forest management**

Director: F. Schmithuesen

INSTITUT FUE ANGEWANDTE PFLANZENBIOLOGIE

**Sandgrubenstrasse 25
CH-4124 Schoenenbuch**

Tel: 4161-4813224

Fax: 4161-4813436

Number of graduate staff: 008

Establishment date: 1980

Main research areas: forest health, nutrition, protection

Director: W. Flueckiger

**SWISS FEDERAL INSTITUTE FOR FOREST, SNOW AND LANDSCAPE
RESEARCH****Zürcherstrasse 111****CH-8903 Birmensdorf****Tel: 0041-1-7392111****Fax: 0041-1-7392215****Telex: 827203 wsl ch****Number of graduate staff: 140****Establishment date: 1885****Main research areas: afforestation, ecology, entomology,
hydrology, pathology, landscape architecture, silviculture, soils****Director: Rodolphe Schläepfer****TANZANIA****NATIONAL TREE SEED PROJECT****P.O. Box 4012****Morogoro****Tel: 255-056-3192/3183****Fax: 255-056/3275****Number of graduate staff: 007****Establishment date: 1989****Main research areas: seeds, tree improvement, genetic resources****Project Manager: Alfred G. Kalaghe****SOKOINE UNIVERSITY OF AGRICULTURE, FACULTY OF FORESTRY****P.O. Box 3009****Chuo Kikuu****Morogoro****Tel: 056-4648/3511****Telex: 55308 UNIVMOG TZ****Cable: UNIAGRIC****Number of graduate staff: 030****Establishment date: 1973****Main research areas: biology, botany, silviculture and
management, economics, wood technology, mensuration****Dean of Faculty: S.A.O. Chamshama**

TANZANIA FORESTRY RESEARCH INSTITUTE (TAFORI)

P.O. Box 1854
Morogoro

Tel: 25556-2861
Fax: 25556-3725
Telex: 55141 TACOTA TZ
Cable: TAFORI MOROGORO

Number of graduate staff: 024

Establishment date: 1980

Main research areas: forest products, agroforestry, arboreta, silviculture, natural forests, biodiversity, tree improvement, forest products, wood technology, fuelwood, charcoal

Director-General: Karanja K. Murira

UNIVERSITY OF DAR-ES-SALAAM, INSTITUTE OF RESOURCE ASSESSMENT

P.O. Box 35097
Dar-es-Salaam

Tel: 010-255-051-49192
Fax: 010-255-051-49039
Telex: 41561 UNZIP TZ
Cable: UNIVERSITY

Number of graduate staff: 019

Establishment date: 1967

Main research areas: mapping, ecology, economics

Director: Idris S. Kikula

THAILAND**ASEAN-CANADA FOREST TREE SEED CENTRE PROJECT**

Muak-Lek
Saraburi 18180

Tel: 6636-341305
Fax: 6636-341859

Number of graduate staff: 018

Establishment date: 1981

Main research areas: seeds, tree improvement

Director: Somyos Kijkar

KASETSART UNIVERSITY, FACULTY OF FORESTRY

Phaholyothin Road
Bangkok 10903

Tel: 5790171/5790520
Fax: 5614761
Telex: 21957 RECOFTC TH

Number of graduate staff: 063

Establishment date: 1936

Main research areas: silviculture and management, biology, forest products, engineering, social forestry, watersheds

Director Forestry Research Centre: Bunvong Thaiutsa

ROYAL FOREST DEPARTMENT, DIVISION OF SILVICULTURE,
SUBDIVISION OF SILVICULTURE RESEARCH
61 Phaholyothin Road
Chatuchak,

Tel: 5790230/4

Fax: 5794730

Number of graduate staff: 096

Main research areas: silviculture

Director, Division of Silviculture

ROYAL FOREST DEPARTMENT, FOREST PRODUCTS RESEARCH &
DEVELOPMENT DIVISION

61 Phaholyothin Road
Chatuchak, Bangkok 10900

Tel: 5791537/5794844

Fax: 5798611

Number of graduate staff: 055

Establishment date: 1934

Main research areas: wood technology, wood processing, wood
chemistry, energy, non-wood forest products,

Director (Acting): Wanida Subasennee

ROYAL FOREST DEPARTMENT, FOREST PRODUCTS RESEARCH
DIVISION

61 Phaholyothin Road
Chatuchak, Bangkok 10900

Tel: 5795412

Fax: 5798611

Number of graduate staff: 054

Establishment date: 1935

Main research areas: forest products

Director: Somsak Patanaprapapan

ROYAL FOREST DEPARTMENT, PLANNING DIVISION, FOREST
ECONOMICS SUBDIVISION

61 Phaholyothin Road
Chatuchak, Bangkok 10900

Tel: 5794291

Number of graduate staff: 010

Establishment date: 1972

Main research areas: economics

Chief, Forest Economics Subdivision, Planning Division: Chavalit
Urapeepatanapong

**ROYAL FOREST DEPARTMENT, WATERSHED MANAGEMENT
DIVISION**

Phaholyothin Road
Chatuchak, Bangkok 10900

Tel: 662-5797587

Fax: 662-5792811

Number of graduate staff: 030

Establishment date: 1975

Main research areas: watersheds, hydrology

Chief: Anan Nalampoon

TUNISIA**INSTITUT DES REGIONS ARIDES**

4119 Medenine

Tel: 216-5-40661

Fax: 216-5-40435

Number of graduate staff: 025

Establishment date: 1976

Main research areas: desertification, agriculture, ecology, genetic resources, livestock management, mapping, product development, remote sensing, seeds, soils

Directeur: Noureddine Akrim

INSTITUT NATIONAL DE RECHERCHES FORESTIERES

B.P. 2

2080 Ariana

Tel: 2161-230014, 230420

Fax: 2161-750557

Number of graduate staff: 010

Establishment date: 1967

Main research areas: forestry, conservation

Directeur: M. Mohamed Dahman

INSTITUT SYLVO-PASTORAL

8110 Tabarka

Tel: 8-44542

Number of graduate staff: 007

Establishment date: 1970

Main research areas: silviculture, ecology, forest products, biometeorology

Directeur: Hasnaoui Brahini

TURKEY

FOREST RESEARCH INSTITUTE (ORMANCILIK ARASTIRMA ENSTITUSU)**P.K. 24, Bahçelievler****06501 Ankara****Tel: 904-2131734****Fax: 904-2122944****Number of graduate staff: 094****Establishment date: 1955****Main research areas: forestry, forest products****Director: Yasar Simsek****KARADENIZ TECHNICAL UNIVERSITY, FACULTY OF FORESTRY****Ktu Orman Fakultesi****61080 Trabzon****Tel: 903-153169****Fax: 903-153205****Telex: 83110 KTU****Number of graduate staff: 074****Establishment date: 1971****Main research areas: silviculture and management, conservation, ecology, forestry, protection, wood technology, wood processing, pulp and paper, forest products****Dean: Yalcin Ors****POPLAR AND FAST-GROWING FOREST TREES RESEARCH INSTITUTE****P.K. 93 Izmit****41001 Kocaeli****Tel: 9021-111878/110036****Fax: 9021-112282****Number of graduate staff: 036****Establishment date: 1962****Main research areas: silviculture, poplar, eucalyptus, afforestation, nursery, mechanization, genetic resources, soils****Director: Celâl Ayik****UNIVERSITY OF ISTANBUL, FACULTY OF FORESTRY****Orman Fakultesi****Bahçekoy 80895,****Istanbul****Tel: 1-1261100/12****Fax: 1-1261113****Number of graduate staff: 100****Establishment date: 1857****Main research areas: forestry, forest products, landscape architecture****Dean: Necolet Ozyuaci**

UGANDA

FOREST RESEARCH CENTRE

PO Box 1752

Kampala

Tel: 259626

Number of graduate staff: 021

Establishment date: 1954

Main research areas: agroforestry, silviculture, tree improvement,
forest products, protection, environment

Director: Matthew Oloya

UNITED KINGDOM

BUILDING RESEARCH ESTABLISHMENT

Garston, Watford

Herts WD2 7JR

Tel: 923-894040

Fax: 923-664785

Telex: 923220

Number of graduate staff: 390

Establishment date: 1921

Main research areas: wood technology, product development,
forest products, protection, wood processing

CAB INTERNATIONAL

Wallingford

Oxon. OX10 8DE

Tel: 44491-32111

Fax: 44491-33508

Telex: 847964 COMAGG G

Number of graduate staff: 090

Establishment date: 1930

Main research areas: protection, entomology, pathology

Director Scientific Services: R.J. Williams

DEPARTMENT OF AGRICULTURE

Newforge Lane

Belfast B59 5PX

Northern Ireland

Tel: 232-661166

Fax: 232-669551

Number of graduate staff: 271

Establishment date: 1920

Main research areas: agriculture, soils, agroforestry, hydrology

Chief Scientific Officer: C.H. McMurray

**DEPARTMENT OF AGRICULTURE, NORTHERN IRELAND FOREST
SERVICE RESEARCH BRANCH**

Dundonald House
Upper Newtownards Road
Belfast BT4 3SB
Northern Ireland Tel: 232-661166
Fax: 232-669551

Number of graduate staff: 007

Establishment date: 1958

Main research areas: silviculture, nutrition, agroforestry,
vegetative propagation, pathology

Chief Forest Officer: Cecil H. McMurray

FORESTRY COMMISSION, FOREST RESEARCH STATION

Alice Holt Lodge
Wrecclesham, Farnham
Surrey GU10 4LH

Tel: 420-22255

Fax: 420-23653

Number of graduate staff: 060

Establishment date: 1946

Main research areas: silviculture, physiology, tree improvement,
protection, wildlife, mensuration, seeds, forest products

Director Research: David A. Burdekin

**INSTITUTE OF TERRESTRIAL ECOLOGY, EDINBURGH RESEARCH
STATION**

Bush Estate, Penicuik
Midlothian EH26 0QB
Scotland

Tel: 31-4454343

Fax: 31-4453943

Telex: 72579

Number of graduate staff: 035

Establishment date: 1974

Main research areas: forestry, ecology, biometeorology

Head of Station: M.G.R. Connel

**INSTITUTE OF TERRESTRIAL ECOLOGY, MERLEWOOD RESEARCH
STATION**

Grange-over-Sands
Cumbria LA11 6JU

Tel: 5395-32264

Fax: 5395-34705

Telex: 65102 MERITE

Number of graduate staff: 040

Establishment date: 1914

Main research areas: nutrition, soils, ecology, land-use policy,
environment

Head of Station: M. Horning

MACAULAY LAND USE RESEARCH INSTITUTE

Craigiebuckler
Aberdeen AB9 2QJ
Scotland

Tel: 224-318611

Fax: 224-311556

Number of graduate staff: 120

Establishment date: 1987

Main research areas: physiology, agroforestry, silviculture and management, hydrology, mensuration, economics, environment

Director: T.J. Maxwell

**NATURAL RESOURCES INSTITUTE, FORESTRY PROGRAMME &
FOREST PRODUCTS PROGRAMME**

Central Avenue
Chatham Maritime
Kent ME4 4TB

Tel: 44634-880088

Fax: 44634-880066

Telex: 263907/8 LDN G

Cable: NRI CHATHAM

Number of graduate staff: 034

Establishment date: 1880

Main research areas: silviculture and management, non-wood forest products, energy, agroforestry, social forestry, environment, economics

Director: A. Beattie

OXFORD FORESTRY INSTITUTE

South Parks Road
Oxford OX1 3RB

Tel: 865-275000

Fax: 865-275074

Telex: 83147 VIA FOROX

Number of graduate staff: 035

Establishment date: 1905

Main research areas: genetic resources, silviculture, pathology, social forestry, ecology, wood processing

Director: J. Burley

ROYAL BOTANIC GARDENS

RBG, Kew
Richmond
Surrey TW93AB

Tel: 081-9401171

Fax: 081-9484237

Telex: 296694 KEWGAR

Number of graduate staff: 120

Establishment date: 1842

Main research areas: biodiversity, conservation, botany, seeds,
horticulture, inventory, genetic resources, biotechnology,
entomology, mapping

Director: Ghilleen Prance

SHELL RESEARCH LTD., SITTINGBOURNE RESEARCH CENTRE

Broad Oak Road
Sittingbourne
Kent ME9 8AG

Tel: 795-424444

Fax: 795-475652

Telex: 96181

Number of graduate staff: 005

Establishment date: 1984

Main research areas: biotechnology, vegetative propagation

Director: H.C. Volger

**THE FORESTRY AUTHORITY, RESEARCH DIVISION, NORTHERN
RESEARCH STATION**

Roslin
Midlothian EH25 9SY

Tel: 31-4452176

Fax: 31-4455124

Number of graduate staff: 037

Establishment date: 1970

Main research areas: protection, tree improvement, physiology,
silviculture, wildlife, conservation, forest statistics,
biodiversity, biometeorology, forest health, hydrology

Chief Research Officer: T.C. Booth

TIMBER RESEARCH AND DEVELOPMENT ASSOCIATION

Stocking Lane
Hughenden Valley
High Wycombe
Bucks HP14 4ND

Tel: 0494-563091

Fax: 0494-565487

Telex: 83292 TRADA G

Number of graduate staff: 032

Establishment date: 1934

Main research areas: wood processing, wood technology, forest products, marketing, work safety, environment, engineering, product development, eucalyptus

Chief Executive: C.J. Gill

**UNIVERSITY COLLEGE OF NORTH WALES, INSTITUTE OF
TERRESTRIAL ECOLOGY, BANGOR RESEARCH UNIT**
Orton Building Deiniol RD.

Bangor, Gwynedd
Wales, LL 2VP

Tel: 44-248-370045

Fax: 44-248-355365

Number of graduate staff: 012

Establishment date: 1974

Main research areas: agroforestry, conservation, ecology, harvesting, hydrology, soils, watersheds

Head of Unit: Jeg Good

UNIVERSITY OF ABERDEEN, DEPARTMENT OF FORESTRY

St Machar Drive
Aberdeen, AB9 2UD
Scotland

Tel: 224-272677

Fax: 224-272685

Telex: 73458 UNIABN G

Number of graduate staff: 022

Establishment date: 1914

Main research areas: harvesting, energy, tree improvement, biotechnology, wood technology, economics, forest management, protection

Professor and Head of Department: Hugh G. Miller

**UNIVERSITY OF ABERDEEN, DEPARTMENT OF PLANT AND SOIL
SCIENCE**
Meston Building
Aberdeen AB9 2UE
Scotland

Tel: 224-272257

Fax: 224-272268

Telex: 73458 UNIABN G

Number of graduate staff: 028

Establishment date: 1860

**Main research areas: ecology, forest health, soils, symbiotic
associations, nutrition, environment**

Head of Department: I.J. Alexander

**UNIVERSITY OF EDINBURGH, SCHOOL OF FORESTRY, INSTITUTE OF
ECOLOGY & RESOURCE MANAGEMENT**
Darwin Building, Mayfield Road
Edinburgh EH9 3JU
Scotland

Tel: 31-6505430

Fax: 31-6620478

Telex: 727442 (UNIVED G)

Number of graduate staff: 030

Establishment date: 1889

**Main research areas: physiology, silviculture and management,
nutrition, economics, agroforestry, ecology, hydrology, tree
improvement, multi-purpose trees, conservation**

Professor: P.G. Jarvis

**UNIVERSITY OF WALES, SCHOOL OF AGRICULTURAL AND FOREST
SCIENCES**
Bangor
Gwynedd LL75 2UW

Tel: 248-351151

Fax: 248-354997

Number of graduate staff: 063

Establishment date: 1904

**Main research areas: agriculture, agroforestry, ecology, forestry,
gis, wood technology, soils, forest products, economics**

Head of School: J.B. Owen

UNIVERSITY OF PORTSMOUTH, SCHOOL OF BIOLOGICAL SCIENCES**King Henry I Street****Portsmouth****Hants PO1 2DY****Tel: 705-842035****Fax: 705-842070****Number of graduate staff: 083****Establishment date: 1968****Main research areas: protection, biology, entomology, pathology, pests, protection****Head of School: R.C. Reay****UNITED STATES OF AMERICA****AUBURN UNIVERSITY, SCHOOL OF FORESTRY****Auburn, AL 36849-5418****Tel: 205-8441007****Fax: 205-8441084****Number of graduate staff: 034****Establishment date: 1946****Main research areas: biology, biometrics, economics, engineering, forest products, wood technology****Dean: Emmett Thompson****CALIFORNIA CEDAR PRODUCTS COMPANY, RESEARCH****DEPARTMENT****P.O. Box 8449****Stockton, CA 95208****Tel: 209-9312448****Fax: 209-9316922****Number of graduate staff: 025****Establishment date: 1947****Main research areas: wood technology, wood processing****Vice-President, Manufacturing & Research: Charles P.****Berolzheimer****CLEMSON UNIVERSITY, DEPARTMENT OF FOREST RESOURCES****261 Lehotsky Hall****Clemson, SC 29634-1003****Tel: 803-6563302****Fax: 803-6563304****Number of graduate staff: 036****Establishment date: 1893****Main research areas: biology, forestry, forest products****Department Head: William A. Leuschner**

COLORADO STATE UNIVERSITY, DEPARTMENT OF FOREST SCIENCES**Ft. Collins, CO 80523****Tel: 303-4916911****Fax: 303-4916754****Number of graduate staff: 016****Establishment date: 1879****Main research areas: economics, forest policy, biology, ecology, remote sensing, biometrics, forest management, forest products****Head: A.A. Dyer****FOREST HISTORY SOCIETY****701 Vickers Avenue****Durham, NC 27701****Tel: 919-6829319****Number of graduate staff: 003****Establishment date: 1946****Main research areas: history, conservation****Executive Director: Harold K. Steen****HARVARD UNIVERSITY, HARVARD FOREST****P.O. Box 68, Route 32****Petersham, MA 01366-0068****Tel: 508-7243302****Fax: 508-7243595****Number of graduate staff: 007****Establishment date: 1907****Main research areas: ecology, soils, physiology, history****Director: David R. Foster****IOWA STATE UNIVERSITY, DEPARTMENT OF FORESTRY****251 Bessey Hall****Ames, IA 50011-1021****Tel: 515-2941166****Fax: 515-2941337****Number of graduate staff: 010****Establishment date: 1904****Main research areas: biology, economics, biometrics, forest products, agroforestry, forest management****Chairman, Department of Forestry: Steven E. Jungst**

ITT RAYONIER, INC., FOREST RESEARCH CENTER**P.O. Box 819****Yulee, FL 32097****Tel: 904-2255393****Fax: 904-2250370****Number of graduate staff: 006****Establishment date: 1954****Main research areas: tree improvement, silviculture and management, biometrics, nutrition, soils****Research Manager: Marshall Jacobson****LOUISIANA STATE UNIVERSITY, SCHOOL OF FORESTRY, WILDLIFE AND FISHERIES****Baton Rouge, LA 70803****Tel: 504-3884131****Fax: 504-3884227****Number of graduate staff: 044****Establishment date: 1925****Main research areas: silviculture, physiology, ecology, mensuration, wood technology, genetic resources****Director: Stanley B. Carpenter****MICHIGAN TECHNOLOGICAL UNIVERSITY, SCHOOL OF FORESTRY AND WOOD PRODUCTS****Houghton, MI 49931****Tel: 906-4872454****Fax: 906-4872311****Number of graduate staff: 035****Establishment date: 1936****Main research areas: silviculture, soils, ecology, wood technology, wood processing, wood chemistry, remote sensing****Dean: W.E. Frayer****MISSISSIPPI STATE UNIVERSITY, SCHOOL OF FOREST RESOURCES****Drawer FR****Mississippi State, MS 39762****Tel: 601-3252952****Fax: 601-3258726****Number of graduate staff: 052****Establishment date: 1954****Main research areas: forestry, forest products, wildlife, forest management, silviculture and management, harvesting, wood chemistry, wood processing, tree improvement, mensuration****Dean: Warren S. Thompson**

NATIONAL PARK SERVICE, ALASKA REGIONAL OFFICE

2525 Gambell Street

Anchorage, AK 99503-2892

Tel: 907-2572564

Fax: 907-2572510

Number of graduate staff: 004

Establishment date: 1980

Main research areas: remote sensing, GIS, natural forests

Chief: Gary Ahlstrand

NATIONAL PARK SERVICE, SOUTH-EAST REGION

75 Spring St. SW

Atlanta, GA 30303

Tel: 404-3314916

Fax: 404-3314943

Number of graduate staff: 015

Establishment date: 1916

Main research areas: forest health, wildlife, fire

Chief Scientist: F. Dominic Dottavio

NATIONAL RESEARCH COUNCIL

2101 Constitution Avenue., NW

Washington, DC 20418

Tel: 202-3342692

Fax: 202-3342660

Number of graduate staff: 003

Establishment date: 1864

Main research areas: botany, silviculture

Contact person: Noel D. Vietmeyer

OHIO STATE UNIVERSITY, SCHOOL OF NATURAL RESOURCES

210 Kottman Hall

Columbus, OH 43210

Tel: 614-2922265

Fax: 614-2927432

Number of graduate staff: 030

Establishment date: 1870

Main research areas: genetic resources, urban forestry, ecology, agroforestry, GIS, soils, forest products, silviculture and management

Director: Mohan K. Wali

**OREGON STATE UNIVERSITY, COLLEGE OF FORESTRY AND FOREST
RESEARCH LABORATORY****150 Peavy Hall****Corvallis, Oregon 97331-5704****Tel: 503-7372221****Fax: 503-7372668****Number of graduate staff: 100****Establishment date: 1941****Main research areas: forest management, biology, engineering,
economics, forest policy, forest products, social forestry****Dean: George W. Brown****ORGANIZATION FOR TROPICAL STUDIES****P.O. Box DM****Duke Station****Durham, NC 27706****Tel: 919-6845774****Fax: 919-6845661****Number of graduate staff: 005****Establishment date: 1963****Coordinator of Research****PENNSYLVANIA STATE UNIVERSITY, SCHOOL OF FOREST
RESOURCES****113 Ferguson Building****University Park, PA 16802****Tel: 814-8647541****Fax: 814-8653725****Number of graduate staff: 034****Establishment date: 1903****Main research areas: forest management, biology, ecology,
watersheds, wood technology, wildlife****Director: Alfred D. Sullivan****PURDUE UNIVERSITY, DEPARTMENT OF FORESTRY & NATURAL
RESOURCES****1159 Forestry Building****West Lafayette, IN 47907-1159****Tel: 317-4943591****Fax: 317-4940409****Number of graduate staff: 024****Establishment date: 1914****Main research areas: biology, ecology, wood technology, wildlife,
forest management****Head of Department: Dennis C. Le Master**

RESOURCES FOR THE FUTURE (FOREST ECONOMICS AND POLICY PROGRAM)**1616 P Street, N.W.****Washington, DC 20036****Tel: 202-3285000****Fax: 202-9393460****Cable: RESOURCE****Number of graduate staff: 003****Establishment date: 1952****Main research areas: economics, forest products, environment, forest management****Director Forest Research: Roger A. Sedjo****SAN DIMAS TECHNOLOGY AND DEVELOPMENT CENTER****444 East Bonita Avenue****San Dimas, CA 91773****Tel: 714-5991267****Fax: 714-5922309****Number of graduate staff: 017****Establishment date: 1945****Main research areas: harvesting****Manager: Dick Silberberger****SOUTHERN ILLINOIS UNIVERSITY, DEPARTMENT OF FORESTRY****Carbondale, IL 62901****Tel: 618-4533341****Fax: 618-4531178****Number of graduate staff: 011****Establishment date: 1960****Main research areas: forest management, forest products, marketing, ecology, hydrology****Head of Department: Dwight R. McCurdy****STEPHEN F. AUSTIN STATE UNIVERSITY, COLLEGE OF FORESTRY****PO Box 6109****SFA Station****Nacogdoches, TX 75962-6109****Tel: 409-5683301****Fax: 409-5682489****Number of graduate staff: 018****Establishment date: 1923****Main research areas: wildlife, entomology, product development, hydrology, physiology, fire, botany, silviculture and management****Dean: R. Scott Beasley**

**TEXAS A&M UNIVERSITY, INSTITUTE OF RENEWABLE NATURAL
RESOURCES, FOREST SCIENCE DEPARTMENT****College Station, TX 77843-2135****Tel: 409-8455033****Fax: 409-8456049****Number of graduate staff: 038****Establishment date: 1876****Main research areas: agroforestry, remote sensing, land-use
policy, tree improvement, soils, silviculture, forest health, ecology****Department Head: Richard F. Fisher****TEXAS FOREST PRODUCTS LABORATORY****PO Box 310****Lufkin, TX 75902-0310****Tel: 409-6398180****Fax: 409-6398185****Number of graduate staff: 005****Establishment date: 1936****Main research areas: forest products, product development, wood
processing****Department Head: Dewayne Weldon****UNIVERSITY OF ALASKA FAIRBANKS, SCHOOL OF AGRICULTURE &
LAND RESOURCES MANAGEMENT, AGRICULTURAL AND
FORESTRY EXPERIMENT STATION****172 AHRB****Fairbanks, AK 99775-0100****Tel: 907-4747083****Fax: 907-4747439****Number of graduate staff: 049****Establishment date: 1906****Main research areas: agriculture, forestry****Director of Station: James V. Drew****UNIVERSITY OF ARKANSAS AT MONTICELLO, DEPARTMENT OF
FOREST RESOURCES****P.O. Box 3468****Monticello, AR 71655****Tel: 501-4601052****Fax: 501-4601092****Number of graduate staff: 020****Establishment date: 1909****Main research areas: hydrology, silviculture, economics, ecology,
soils, botany, wildlife, biometrics, forest management, pests****Head of Department ad interim: Edwin R. Lawson**

**UNIVERSITY OF CALIFORNIA AT BERKELEY, DEPARTMENT OF
FORESTRY & RESOURCE MANAGEMENT**

145 Mulford Hall
Berkeley, CA 94720

Tel: 510-6420376

Fax: 510-6435438

Number of graduate staff: 062

Establishment date: 1914

Main research areas: silviculture and management, agroforestry,
forest policy, biodiversity, forest products, land-use policy,
livestock management, remote sensing, wildlife

Chair: John A. Helms

**UNIVERSITY OF CALIFORNIA, AGRICULTURAL ENGINEERING
DEPARTMENT**

Davis, CA 95616

Tel: 916-7526210

Fax: 916-7522640

Number of graduate staff: 005

Establishment date: 1889

Main research areas: engineering, harvesting, work safety,
energy, plantations, mechanization

Chairman of Department: Henry Studer

**UNIVERSITY OF FLORIDA, SCHOOL OF FOREST RESOURCES AND
CONSERVATION**

118 Newins-Ziegler Hall
Gainesville, FL 32611-0301

Tel: 904-3921791

Fax: 904-3921707

Number of graduate staff: 050

Main research areas: biology, biotechnology, economics,
agroforestry, wildlife, forest products

**UNIVERSITY OF GEORGIA, D.B. WARNELL SCHOOL OF FOREST
RESOURCES**

Athens, GA 30602

Tel: 404-5422686

Fax: 404-5428356

Number of graduate staff: 045

Establishment date: 1906

Main research areas: biology, biometrics, forest products,
economics, forest policy, wildlife, forest management

Dean: Arnett C. Mace, Jr.

UNIVERSITY OF KENTUCKY, DEPARTMENT OF FORESTRY**Lexington, KY 40546-0073****Tel: 606-2577596****Fax: 606-2581031****Number of graduate staff: 022****Establishment date: 1969****Main research areas: biometrics, economics, ecology, soils, hydrology, physiology, tree improvement, wildlife, wood technology, product development****Chair: Robert N. Muller****UNIVERSITY OF MASSACHUSETTS, DEPARTMENT OF FORESTRY AND WILDLIFE MANAGEMENT****Amherst****Holdsworth Natural Resources Center****MA 01003-0130****Tel: 413-5452665****Fax: 413-5454358****Number of graduate staff: 25****Establishment date: 1863****Main research areas: forestry, wildlife, wood technology, remote sensing, biodiversity, ecology, economics, mapping****UNIVERSITY OF MICHIGAN, SCHOOL OF NATURAL RESOURCES****430 E. University****Ann Arbor, MI 48109-1115****Tel: 313-7646453****Fax: 313-9362195****Number of graduate staff: 040****Establishment date: 1927****Main research areas: ecology, agroforestry, protection, conservation, biology, watersheds, remote sensing, forest policy, urban forestry****Dean, School of Natural Resources****UNIVERSITY OF MINNESOTA, COLLEGE OF NATURAL RESOURCES****2003 Upper Buford Circle****St. Paul, MN 55108-1030****Tel: 612-6241234****Fax: 612-6248701****Number of graduate staff: 057****Establishment date: 1903****Main research areas: biology, forest products, pulp and paper, wildlife, conservation, forest management****Dean: Richard A. Skok**

UNIVERSITY OF MISSOURI, SCHOOL OF NATURAL RESOURCES**1-30 Agriculture Building****Columbia, MO 65211****Tel: 314-8826446****Fax: 314-8821977****Number of graduate staff: 040****Establishment date: 1912****Main research areas: agroforestry, wildlife, soils, biometeorology, urban forestry, silviculture and management, biometrics, gis, hydrology, ecology****Director: Albert R. Vogt****UNIVERSITY OF NEW HAMPSHIRE, DEPARTMENT OF NATURAL RESOURCES****215 James Hall****Durham, NH 03824****Tel: 603-8621020****Fax: 603-8624976****Number of graduate staff: 022****Establishment date: 1923****Main research areas: economics, ecology, remote sensing, genetic resources, conservation, mensuration, wildlife, silviculture and management****Chair: William Mautz****UNIVERSITY OF TENNESSEE, DEPARTMENT OF FORESTRY, WILDLIFE & FISHERIES****Knoxville, TN 37901-1071****Tel: 615-9747126****Fax: 615-9742765****Number of graduate staff: 020****Establishment date: 1964****Main research areas: genetic resources, forest products, silviculture and management, biometrics, economics, wildlife****Head of Department: George T. Weaver****UNIVERSITY OF VERMONT, SCHOOL OF NATURAL RESOURCES****George D. Aiken Center****Burlington, VT 05405****Tel: 802-6564280****Fax: 802-6568683****Number of graduate staff: 034****Establishment date: 1973****Main research areas: ecology, biology, forest management****Dean: Lawrence K. Forcier**

UNIVERSITY OF WASHINGTON, COLLEGE OF FOREST RESOURCES
Seattle, WA 98195

Tel: 206-5432730

Fax: 206-6850790

Number of graduate staff: 058

Main research areas: ecology, wildlife, social forestry, forest management, urban forestry, engineering, wood technology, pulp and paper

Dean: David B. Thorud

UNIVERSITY OF WISCONSIN - STEVENS POINT, COLLEGE OF NATURAL RESOURCES
Stevens Point, WI 54481

Tel: 715-3462853

Fax: 715-3463624

Establishment date: 1894

Main research areas: forest management, silviculture, forest products, urban forestry

Associate Dean: Richard Wilke

US ENVIRONMENTAL PROTECTION AGENCY, ENVIRONMENTAL RESEARCH LABORATORY
200 SW 35th Street
Corvallis, OR 97331

Tel: 503-7544772

Fax: 503-7544799

Number of graduate staff: 320

Main research areas: ecology, environment, watersheds, biometeorology, biotechnology, soils, afforestation

US NATIONAL ARBORETUM

3501 New York Ave. NE

Washington, DC 20002

Tel: 202-4754815

Fax: 202-4755252

Number of graduate staff: 011

Establishment date: 1927

Main research areas: arboreta, botany, tree improvement

Research Director: Alden Townsend

**USDA EXTENSION SERVICE AND ITS COOPERATORS IN STATE
LAND-GRANT UNIVERSITIES**

3909 South Building
Natural Resources and Rural Development
Washington, DC 20250-0900

Tel: 202-7207947

Fax: 202-6904869

Number of graduate staff: 300

Establishment date: 1914

Main research areas: forestry, forest products

Administrator: Myron D. Johns Rud

USDA FOREST SERVICE, FOREST PRODUCTS LABORATORY

One Gifford Pinchot Drive
Madison, WI 53705-2393

Tel: 608-2319200

Fax: 608-2319592

Telex: 7400032

Number of graduate staff: 130

Establishment date: 1910

Main research areas: product development, wood processing,
pulp and paper, marketing, engineering, energy, protection, wood
chemistry, wood technology, biotechnology

Director: John R. Erickson

**USDA FOREST SERVICE, INTERMOUNTAIN FOREST & RANGE
EXPERIMENT STATION**

324 25th Street
Ogden, UT 84401

Tel: 801-6255431

Fax: 801-6255129

Number of graduate staff: 151

Establishment date: 1891

Main research areas: ecology, hydrology, tree improvement, fire,
silviculture and management, protection, botany, engineering,
economics

Director: Laurence E. Lassen

**USDA FOREST SERVICE, INTERMOUNTAIN FOREST & RANGE
EXPERIMENT STATION, INTERMOUNTAIN FIRE SCIENCES
LABORATORY**

P.O. Box 8089
Missoula, MT 59807

Tel: 406-3294820

Fax: 406-3294863

Number of graduate staff: 020

Main research areas: livestock management, fire

**USDA FOREST SERVICE, NORTH CENTRAL FOREST EXPERIMENT
STATION****1992 Folwell Avenue****St. Paul, MN 55108****Tel: 612-6495000****Fax: 612-6495285****Number of graduate staff: 080****Establishment date: 1966****Main research areas: forest management, protection, genetic
resources, biotechnology, harvesting, economics, wildlife, ecology****Director: Ronald D. Lindmark****USDA FOREST SERVICE, NORTH CENTRAL FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY****Southern Illinois University****Carbondale, IL 62901****Tel: 618-4532318****Fax: 618-4532911****Number of graduate staff: 004****Establishment date: 1946****Main research areas: physiology, tree improvement, wood
processing****Project Leader: J.W. Van Sambeek****USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION****5 Radnor Corporate Center****P.O. Box 6775, Suite 200****Radnor, PA 19087-4585****Tel: 215-9754017****Fax: 215-9754200****Number of graduate staff: 170****Establishment date: 1923****Main research areas: forest management, wildlife, watersheds,
protection, forest products, harvesting, economics, urban forestry****Acting Director: Richard W. Guldin****USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, CENTER FOR BIOLOGICAL CONTROL OF
NORTHEASTERN FOREST INSECTS & DISEASES****51 Mill Pond Rd****Hamden, CT 06514****Tel: 203-7732035****Fax: 203-7732183****Number of graduate staff: 015****Main research areas: protection, entomology, pathology****Director's representative: Philip M. Wargo**

**USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY**

P.O. Box 968

Burlington, VT 05402

Tel: 802-9516771

Fax: 802-9516368

Number of graduate staff: 012

Establishment date: 1956

**Main research areas: silviculture, ecology, economics, physiology,
social forestry**

Director's Representative: Paul E. Sendak

**USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY**

P.O. Box 928

Warren, PA 16365

Tel: 814-5637587

Number of graduate staff: 006

Establishment date: 1929

**Main research areas: forest health, forest management,
economics**

Director's Representative: Susan Stout

**USDA FOREST SERVICE, NORTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY**

180 Canfield Street

Morgantown, WV 26505

Tel: 304-2851600

Fax: 304-2851505

Number of graduate staff: 008

Establishment date: 1965

Main research areas: entomology, harvesting, operations research

Director's Representative: Kurt W. Gottschalk

**USDA FOREST SERVICE, PACIFIC NORTHWEST FOREST & RANGE
EXPERIMENT STATION, FORESTRY AND RANGE SCIENCES
LABORATORY**

1401 Gekeler Lane

La Grande, OR 97850

Tel: 503-9637122

Fax: 503-9638704

Number of graduate staff: 018

Establishment date: 1970

Main research areas: wildlife, entomology, pathology

Chief: Jack Ward Thomas

USDA FOREST SERVICE, PACIFIC NORTHWEST RESEARCH STATION
P.O. Box 3890
Portland, OR 97208
Tel: 503-3265640
Number of graduate staff: 150
Establishment date: 1910
Main research areas: forestry, inventory, ecology, silviculture and
management, tree improvement, protection, economics, hydrology
Station Director: Charles W. Philpot

USDA FOREST SERVICE, PACIFIC NORTHWEST RESEARCH
STATION, FORESTRY SCIENCES LABORATORY
3200 SW Jefferson Way
Corvallis, OR 97331
Tel: 503-7507250
Fax: 503-7507329
Number of graduate staff: 030
Establishment date: 1962
Main research areas: ecology, forest management, environment,
economics, protection
Station Leadership Team Representative: David V. Sandberg

USDA FOREST SERVICE, PACIFIC NORTHWEST RESEARCH
STATION, FORESTRY SCIENCES LABORATORY
1133 N. Western Avenue
Wenatchee, WA 98801
Tel: 509-6624315
Fax: 509-6642742
Number of graduate staff: 005
Establishment date: 1954
Main research areas: forest management, conservation, forest
health
Station Director: Charles W. Philpot

USDA FOREST SERVICE, PACIFIC SOUTHWEST STATION, REDDING
SILVICULTURE LABORATORY
2400 Washington Avenue
Redding, CA 96001
Tel: 916-2465455
Fax: 916-2465045
Number of graduate staff: 017
Main research areas: silviculture and management, mensuration,
GIS
Program Manager: Philip S. Aune

**USDA FOREST SERVICE, ROCKY MOUNTAIN FOREST & RANGE
EXPERIMENT STATION**

**240 W. Prospect Road
Fort Collins, CO 80526**

Tel: 303-4981100

Fax: 303-4981010

Number of graduate staff: 067

Establishment date: 1935

**Main research areas: ecology, forestry, wildlife, hydrology,
biometeorology, economics**

Director: Denver P. Burns

**USDA FOREST SERVICE, ROCKY MOUNTAIN FOREST & RANGE
EXPERIMENT STATION, FORESTRY SCIENCES LABORATORY
2205 Columbia SE**

Albuquerque, NM 87106

Tel: 505-7662384

Fax: 505-7661046

Number of graduate staff: 008

Establishment date: 1956

Main research areas: ecology, afforestation, watersheds

Project Leader: Earl F. Aldon

**USDA FOREST SERVICE, ROCKY MOUNTAIN FOREST & RANGE
EXPERIMENTAL STATION, CENTER FOR SEMI-ARID
AGROFORESTRY**

**East Campus - University of NE
Lincoln, NE 68583-0822**

Tel: 402-4375178

Fax: 402-4375712

Number of graduate staff: 007

Establishment date: 1953

**Main research areas: forest health, agroforestry, tree
improvement, biotechnology, entomology, physiology**

Project Leader: Michele M. Schoeneberger

**USDA FOREST SERVICE, ROCKY MOUNTAINS FOREST & RANGE
EXPERIMENT STATION**

**700 South Pine Knoll Drive
Flagstaff, AZ 86001**

Tel: 602-5567315

Fax: 602-7792689

Number of graduate staff: 020

Establishment date: 1908

**Main research areas: physiology, entomology, silviculture,
watersheds, wildlife, hydrology**

Director's Representative: Leonard F. De Bano

**USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT
STATION****P.O. Box 2680****Asheville, NC 28802****Tel: 704-2574300****Fax: 704-2574840****Number of graduate staff: 107****Establishment date: 1921****Main research areas: forest products, forest management,
protection, conservation, watersheds, genetic resources, wildlife,
biometeorology****Director:****USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT
STATION, CENTER FOR FORESTED WETLANDS RESEARCH****2730 Savannah Hwy****Charleston, SC 29414****Tel: 803-7274271****Fax: 803-7274152****Number of graduate staff: 005****Establishment date: 1897****Main research areas: physiology, silviculture, forest management****Deputy Chief for Research: Jerry SESCO****USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY****P.O. Box 70****Olustee, FL 32072****Tel: 904-7520331****Fax: 904-7527437****Number of graduate staff: 004****Establishment date: 1932****Main research areas: protection****Head of Research: Jerry SESCO****USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY****320 Green Street****Athens, GA 30602-2044****Tel: 706-5462435****Fax: 706-5462143****Number of graduate staff: 005****Establishment date: 1990****Main research areas: nursery, symbiotic associations****Institute Director: Donald H. Marx**

**USDA FOREST SERVICE, SOUTHEASTERN FOREST EXPERIMENT
STATION, PRIMARY HARDWOOD PROCESSING & PRODUCTS
RESEARCH PROJECT**

Brooks Forest Products Center

Virginia Technical University

Blacksburg, VA 24061-0503

Tel: 703-2314016

Fax: 703-2318868

Number of graduate staff: 003

Establishment date: 1987

**Main research areas: wood processing, wood technology, product
development**

Project Leader: Philip A. Araman

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT STATION

Rm 10210

US Postal Services Bldg.

701 Loyola Avenue

New Orleans, LA 70113

Tel: 504-5896787

Fax: 504-5893961

Number of graduate staff: 071

Establishment date: 1921

**Main research areas: forest management, protection, hydrology,
biotechnology, economics, seeds, inventory, wildlife, harvesting,
forest products, forest statistics**

Director: Thomas H. Ellis

**USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, ENGINEERING RESEARCH UNIT**

DeVall Drive

Auburn, AL 36849

Tel: 205-8268700

Fax: 205-8210037

Number of graduate staff: 004

Establishment date: 1962

Main research areas: harvesting, work safety, silviculture

Project Leader: Bryce J. Stokes

**USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, FOREST HYDROLOGY LABORATORY**

P.O. Box 947

Oxford, MS 385655

Tel: 601-2342744

Fax: 601-2348318

Number of graduate staff: 014

Establishment date: 1977

Main research areas: hydrology, watersheds

Project Leader: Jack B. Waide

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, FORESTRY SCIENCES LABORATORY
P.O. Box 906
Starkville, MS 39759

Tel: 601-3238162

Fax: 601-3238162

Telex: RWU 403:S30L01 A

Number of graduate staff: 004

Establishment date: 1966

Main research areas: seeds

Project Leader: Frank Bonner

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, SOUTHERN HARDWOODS LABORATORY
P.O. Box 227
Stoneville, MS 38776

Tel: 601-6867218

Fax: 601-6862696

Number of graduate staff: 010

Establishment date: 1945

Main research areas: forestry, protection

Director: Thomas Ellis

USDA FOREST SERVICE, SOUTHERN FOREST EXPERIMENT
STATION, WILDLIFE HABITAT & SILVICULTURAL LABORATORY
Box 7600 SFA Station
Nacogdoches, TX 75962

Tel: 409-5697981

Fax: 409-5699681

Number of graduate staff: 009

Establishment date: 1945

Main research areas: silviculture and management, ecology,
wildlife

Project Leader: Ronald E. Thill

URUGUAY

UNIVERSIDAD DE LA REPUBLICA FACULTAD DE AGRONOMIA,
DEPARTAMENTO FORESTAL
Avenida Garzon 780
C.P.12900 Montevideo

Tel: 97191

Fax: 5982393004

Number of graduate staff: 010

Establishment date: 1963

Main research areas: silviculture and management, wood
technology

Directora: Marta Bianchi

VENEZUELA

**CORP. VENEZUELA, PRODUCTOS FORESTALES DE ORIENTE C.A.,
CENTRO DE INVESTIGACION FORESTAL****Centro Comercial Caura, local S9-A****Alta Vista****Guayana, Bolívar****Tel: 87-91694****Fax: 87-91694****Number of graduate staff: 012****Establishment date: 1988****Main research areas: silviculture, tree improvement, soils,
biometeorology, protection****Gerente de Investigación: Marina Acosta de Hurtado****DIRECCION GENERAL SECTORIAL DE INVESTIGACION Y
CONSERVACION DE AGUA, SUELO Y VEGETACION****Tel: 2-4081824/4081862****Fax: 2-5450607****Telex: 28475 VEN****Number of graduate staff: 006****Establishment date: 1977****Main research areas: ecology, seeds****Delfina Rodríguez****INSTITUTO FORESTAL LATINOAMERICANO (IFLA)****Núcleo Forestal****Via Chorrros de Milla, Edif. IFLA****Apartado 36****Merida****Tel: 74-440535****Fax: 74-448906****Telex: 74104 CIDIA VC****Number of graduate staff: 004****Establishment date: 1956****Main research areas: forestry, forest products, watersheds****Jefe de Investigación: Judith Petit Aldana****UNIVERSIDAD DE LOS ANDES, FACULTAD DE CIENCIAS
FORESTALES, CENTRO DE ESTUDIOS FORESTALES DE
POSTGRADO****Via Chorrros de Milla****Mérida****Tel: 74-401517****Fax: 74-401503****Number of graduate staff: 060****Establishment date: 1970****Main research areas: forestry, forest products, watersheds****Director: Edgar Hernández Becerra**

UNIVERSIDAD DE LOS ANDES, INSTITUTO DE SILVICULTURA

Via Chorro de Milla

Merida

Tel: 74-401580,401581

Fax: 74-401503

Number of graduate staff: 010

Establishment date: 1960

Main research areas: silviculture and management, protection, genetic resources, ecology

Director: Luis E Yegres

VIET NAM

FOREST SCIENCE INSTITUTE OF VIETNAM

Chèm, Tù liêm

Hanoi

Tel: 84 43 45721

84 43 44031

Fax: 84 43 45722

Number of graduate staff: 340

Establishment date: 1961

Main areas of research: forestry, forest products, economics

Director: Vu Biệt Linh

ZAIRE

CENTRE D'ADAPTATION DES TECHNIQUES ENERGIE-BOIS (CATEB)

35 Avenue de Flambeau

B.P. 11.596

Kinshasa I

Tel: 27936

Number of graduate staff: 006

Establishment date: 1983

Main research areas: energy, fuelwood, wood processing

Directeur: Djengo Bosulu

ZAMBIA

DIVISION OF FOREST RESEARCH

P.O. Box 22099

Kitwe

Tel: 260-2-220456

Fax: 260-2-224110

Telex: 52051 ZA

Number of graduate staff: 006

Establishment date: 1956

Main research areas: silviculture, botany, ecology, tree improvement, protection, mensuration

Chief Forest Research Officer: F. M. Malaya

FOREST DEPARTMENT, DIVISION OF FOREST PRODUCTS**RESEARCH****P.O. Box 20388****Kitwe****Tel: 260-2-218108****Number of graduate staff: 004****Establishment date: 1962****Main research areas: wood technology, non-wood forest products,
wood processing, engineering****Chief Forest Products Research Officer: Progress M. Sekeli****MISAMFU REGIONAL RESEARCH STATION, SOIL PRODUCTIVITY****RESEARCH PROGRAMME****P.O. Box 410055****Kasama****Tel: 4-221773****Fax: 4-221555****Telex: ZA 64070****Number of graduate staff: 009****Establishment date: 1983****Main research areas: agroforestry, soils****Chief Agricultural Research Officer: Mr. Kaliangile****NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH, TREE****IMPROVEMENT RESEARCH CENTRE****P.O. Box 21210****Kitwe****Tel: 226734****Number of graduate staff: 006****Establishment date: 1966****Main research areas: tree improvement, biotechnology****Head: C.K. Mwamba****ZIMBABWE****FORESTRY COMMISSION, RESEARCH & DEVELOPMENT DIVISION,****FOREST RESEARCH CENTRE****P.O. Box HG 595****Highlands, Harare****Tel: 263-4-46878/9****Fax: 263-4-47066****Telex: 48323 FORCOM ZW****Number of graduate staff: 019****Establishment date: 1948****Main research areas: tree improvement, silviculture, seeds,
biometrics, agroforestry, protection, mapping, social forestry,
pathology, entomology, natural forests****Manager: D.P. Gwaze**

DIRECTORY OF FORESTRY RESEARCH ORGANIZATIONS

Questionnaire

Country:

Name of Organization:

Address:

Telephone:

(please include country and area codes)

Fax:

Telex:

Cable:

Number of staff who have university degrees:

Year of establishment:

Main research areas (select up to 10 items from list provided):

Designation of head of organization:

Name of head of organization:

Name and designation of person filling this form

Please return this form to: Mr. F.S.P. Ng
Chief, Forest Research Education and
Training Branch
FAO
Via delle Terme di Caracalla
00100 Rome, Italy

LIST OF RESEARCH AREAS

afforestation	mapping
agriculture	marketing
agroforestry	mechanization
arboreta	mensuration
biodiversity	microbiology
biometeorology	multi-purpose trees
biometrics	natural forests
biotechnology	non-wood forest
botany	products
charcoal	nursery
chemical products	nutrition
conservation	operations research
desertification	pathology
ecology	pests
economics	physiology
ecophysiology	plantations
energy	poplar
engineering	product development
entomology	protection
environment	pulp and paper
eucalyptus	remote sensing
fire	seeds
forest health	silviculture
forest management	silviculture and
forest policy	management
forest products	social forestry
forest statistics	soils
forestry	symbiotic associations
fuelwood	tree improvement
genetic resources	urban forestry
geographic information	vegetative propagation
systems (GIS)	watersheds
harvesting	weeds
history	wildlife
horticulture	wood chemistry
hydrology	wood processing
inventory	wood quality
land-use policy	wood technology
landscape architecture	work safety
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