

THE ONLINE INFORMATION BULLETIN OF THE GLOBAL FOREST SCIENCE NETWORK

Forests in the Balance: Linking Tradition and Technology

Highlights of the XXII IUFRO World Congress Brisbane, Australia, 2005

The XXII IUFRO World Congress held in Brisbane, Australia, from 8 to 13 August has been a great success thanks to the high quality of scientific presentations, the wonderful hospitality of the Australian hosts, and the excellent meeting facilities.

The XXII IUFRO Congress has brought together some 2100 delegates from 90 countries, who enjoyed this excellent opportunity of presenting their research activities in about 700 oral and another 700 poster presentations. The Congress served as an ideal platform for the cross-disciplinary exchange of information and experience in forest-related sciences.



Yuggera Aboriginal Dance Troupe at the Opening Ceremony (photo by courtesy of the COC)

This issue of IUFRO News will present important results of the Congress activities in addition to regular news items. One of the major outcomes of the Congress relevant for forest-related research in general and for IUFRO in particular, are the Congress Resolutions presented below. For information on the Congress report, abstracts, speeches, etc., please visit:

<http://www.iufro.org/events/congresses/2005/>

CONGRESS RESOLUTION 1: PROMOTING GLOBAL COOPERATION IN FOREST-RELATED RESEARCH



Tree planting ceremony at Brisbane Southbank Parklands (photo by courtesy of the COC)

The XXII IUFRO World Congress "Forests in the Balance – Linking Tradition and Technology" provided a unique forum to present the results of the collective global research related to forests and trees.

The Congress identified a range of issues where research could significantly aid the better understanding of forest-related problems, including the achievement of balanced approaches towards forest conservation and sustainable forest management; the adaptation of forests to climate change; the use of genetic resources and biotechnology to further sustainable forest management; the involvement of indigenous groups in forest science and forestry; increasing the value of forest and forest products through innovative technologies; and the role of education, communication and capacity building in ensuring a sustainable future for forests.

Driven by the desire to address these and other forest-related problems and to further strengthen IUFRO as a home for scientists and research institutions related to forests and trees, including those currently operating outside the IUFRO network, IUFRO and its members will work to:

1. **provide** an improved thematic structure and flexible mechanisms within our organization that allow us to address key issues relevant to forest scientists and their stakeholders and to respond to research questions that are emerging as a result of the ongoing changes in society and the global environment;
2. **continue to ensure** that our scientific work lives up to the highest quality standards;
3. **strengthen** the participation of scientists and research institutions of developing countries and countries with economies in transition in the activities of IUFRO, including through providing assistance in capacity development of scientists and research institutions;
4. **actively promote** gender mainstreaming and cultural diversity within IUFRO and support and encourage the

participation of women, young scientists and students in IUFRO's activities;

5. **increase** our cooperation with scientists and research institutes working in other scientific disciplines on forest-related research topics that cross the traditional boundaries of forest science;
6. **more actively communicate** our research findings within the scientific and educational communities;
7. **fully implement** the IUFRO Strategy 2006-2010 to position IUFRO as a truly global network of forest-related science knowledge and cooperation.
8. **contribute** to reaching the Millennium Development Goals through science collaboration, capacity building and education activities aimed at reducing poverty and improving the livelihoods of forest-dependent people, and at ensuring environmental sustainability.

CONGRESS RESOLUTION 2: PROMOTING SCIENCE FOR DECISION-MAKING

The XXII IUFRO World Congress noted that, despite the scientific advances so far, the understanding of forest ecosystem dynamics and their relation to continuously changing human demands and global developments such as population growth, migration, urbanization, technology changes and climate change remains incomplete, and that there continues to be a need for advancement of forest-related scientific knowledge.

In spite of that, the status and capacities of traditional forest research institutions and universities as well as the funding available to carry out forest research is decreasing in many countries, notably as a result of shifting priorities of policy and decision-makers as well as donors.

It is therefore essential that in the future resource inputs into science and technology are seen primarily as an investment in forest-related socio-economic development and in preserving forests as natural life-support systems for present and future generations.

Driven by the desire to provide relevant, scientifically sound information and advice to policy and decision makers and other stakeholders, IUFRO and its members will work to:



Speakers at the **President's Discussion** (from left): Razak Mohd. Abd. Ali, Malaysia; Peter Mayer, Austria; Risto Seppälä, Finland; José J. Campos, Costa Rica; Joseph R. Cobbinah, Ghana; Lisa Sennerby-Forsse, Sweden; Thorry Gunnersen, Australia (by courtesy of the COC)



One out of 5 specially designed Congress stamps

1. **enhance** the provision of relevant problem-oriented forest research results to policy and decision makers and other stakeholders, including the private sector, and encourage them to make better use of scientific outputs;
2. **increase efforts** to translate research results of the forest science community into language that is readily understood by policy makers and other stakeholders;
3. **further enhance** our contributions to the work of international processes and conventions such as the United Nations Forum on Forests, the Convention on Biological Diversity, the United Nations Framework Convention on Climate Change, the United Nations Convention to Combat Desertification, *inter alia*, through the active involvement in the Collaborative Partnership on Forests;
4. **contribute** to the possible establishment of an advisory body to international processes and conventions with the specific purpose of giving scientific advice on forest-related issues similar to the Intergovernmental Panel on Climate Change in climate issues;
5. **further increase** partnerships and collaboration with international organizations and stakeholders;
6. **contribute** to reaching the Millennium Development Goals through science collaboration, capacity building and education activities aimed at reducing poverty and improving the livelihoods of forest-dependent people, and at ensuring environmental sustainability.

International Council Decisions for 2005-2010

In its two meetings during the Congress week, the International Council took important decisions:

The New President and Vice-Presidents: *President Elect:* Don Koo Lee, Republic of Korea; *Vice-President Policy Elect:* John Innes, Canada; *Vice-President Science Elect:* Niels Elers Koch, Denmark

The New Board: *Division Coordinators:* D1 Björn Hånell, Sweden; D2 Baillian Li, United States; D3 Hans Heinimann, Switzerland; D4 Margarida Tomé, Portugal; D5 Cathy Wang, China – Taipei; D6 Perry Brown, United States; D7 Mike Wingfield, South Africa; D8 Alex Mosseler, Canada

General Board Members: Mohammed Ellatifi, Morocco; Vitor Hoeflich, Brazil; Roberto Ipinza, Chile; Su See Lee, Malaysia; Shirong Liu, China; Tohru Nakashizuka, Japan; Piotr Paschalis-Jakubowicz, Poland; Heinrich Spiecker, Germany; Victor K. Teplyakov, Russia

Venue of Congress 2010: Seoul, Republic of Korea

Honours and Awards at the IUFRO Congress

In a special issue of IUFRO News published in July 2005, the winners of the Scientific Achievement Awards, Outstanding Doctoral Research Awards, IUFRO World Congress Host Scientific Awards and IUFRO Student Awards for Excellence in Forest Science were presented. We are now proud to present to you also the new Honorary Members, and the winners of the Best Poster Awards, whose posters were selected at the Congress out of a total of 700 posters.

Honorary Membership

Jeffery Burley, Immediate Past President (*left on photo*)
Heinrich Schmutzenhofer, former Executive Secretary (*right on photo*)
Les Whitmore, former Vice-President Administration (*centre*)



New IUFRO Honorary Members

Best Poster Awards

Division 1: Poster #669: "Long-term effects of forest fertilization on ground vegetation in the northern Black Forest, Germany"
Carl Höcke, Freiburg University, Germany

Division 2: Poster #18: "Overcoming biological barriers to hybrid seed production in Eucalyptus" Tasmien Horsley, Terry Stanger, Sappi Forests Research; S. Johnson, University of KwaZulu-Natal, South Africa

Division 3: Poster #473: "Decomposition of coarse woody debris in the boreal forest of interior Alaska"
John Yarie, University of Alaska, Fairbanks, Alaska, USA

Division 4 & 6: Poster #682: "Economic analysis of carbon sequestration on stand level"
Johanna Pohjola, Finnish Forest Research Institute; L. Valsta, J. Mononen, University of Helsinki, Finland

Division 5: Poster #16: "Evaluation of five reforestation species for manufacture of oriented strand board"
Nigel Lim, Y. K. Pek, Sarawak Forestry Corporation, Malaysia

Division 5: Poster #799: "Improvement of the acoustic properties of Sitka spruce with chemical treatment"
Chih-Lung Cho, S.-Y. Wu, S.-U. Yeh, National Ilan University, China-Taipei

Division 7: Poster #836: "Managing intensively grown, irrigated hybrid poplars based on clonal susceptibility to Poplar/Willow borer *Cryptorhynchus lapathi* (Curculionidae)"

Eugene Hannon, N.T. Kittelson, J. J. Brown, Washington State University, USA

Division 8: Poster #521: "Soil biodiversity and nutrient turnover in different forest types of Central Europe"
Sophie Zechmeister-Boltenstern, M. Pfeffer; Forest Research Centre; A. Bruckner, University of Life Sciences; W. Foissner, University of Salzburg; E. Hackl, A. Sessitsch, Austrian Research Centres; N. Milasowszky, W. Waitzbauer, University of Vienna, Austria

Task Force – The Role of Forests in Carbon Cycles, Sequestration and Storage:

Poster #210: "Spring phenology of Norway spruce (*Picea abies* (L.) Karst.) at ambient and elevated [CO₂] and temperature"
Michelle Slaney, Swedish University of Agricultural Sciences, Sweden;
J. Medhurst, CRC/CSIRO Forestry, Australia; S. Linder, Swedish University of Agricultural Sciences, Sweden; G. Wallin, Goteborg University, Sweden



Howard Rosen (Div 5, in charge of Best Poster Award selection) presents award to Sophie Zechmeister-Boltenstern (Div 8)

GFIS – Successfully Demonstrated at the Congress

The Global Forest Information Service (GFIS) was successfully demonstrated as a functional tool for the provision of information to the forestry community at the Congress. Through GFIS, it is now possible to provide and search for information about forest-related information resources, such as news, meetings and publications through one single entry point at www.gfis.net. This major step at the Congress could not have been taken without the outstanding cooperation between IUFRO and its partners in this initiative - FAO, CIFOR, CAB International and the UNFF Secretariat. It will be unique in that it is a service provided by Partners for Partners; their information resources define the limits of GFIS and they shape its future.

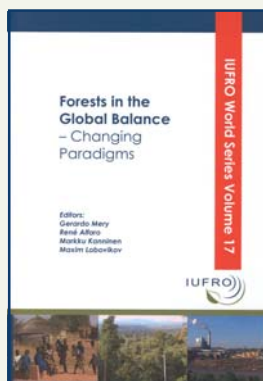
IUFRO is fully committed to contribute its part to the further development of GFIS by continuing its leading role in the joint CPF initiative and by making strong efforts to reach

out fully to its 650 member organizations and other providers of forest information. GFIS not only gives institutes improved visibility on the forest community, but also offers numerous opportunities for cost-effective dissemination of information, exchange of knowledge with other information providers and increased user feedback.

IUFRO invites you to find out more about the unique features of GFIS and the multiple benefits it offers and we would be pleased to welcome your organization as a new GFIS information provider!

If your organization is interested in receiving more information about GFIS or become a GFIS information provider, please contact the GFIS coordinator by email: <[gfris_coordinator@iufro.org](mailto:gfis_coordinator@iufro.org)> or tel: +43 1 8770151-42).

New IUFRO Publications Presented at the Congress



IUFRO WORLD SERIES VOLUME 17: Forests in the Global Balance – Changing Paradigms

Forests in the Global Balance – Changing Paradigms. 2005.

G. Mery, R. Alfaro, M. Kanninen, M. Lobovikov. (eds.)

IUFRO World Series Volume 17. Helsinki. 318 p.

ISBN 3-901347-55-0 . ISSN 1016-3263

Available from: IUFRO Secretariat. **Price:** EUR 20.— plus mailing costs.

[Web site.](#)

This publication is the main outcome of the IUFRO-WFSE (Special Project of World Forests, Society and Environment) process that promotes the exchange of knowledge through its open network of researchers and experts from around the world. The book focusses on the on-going or foreseen changing paradigms in the forests, society and environment interface.



IUFRO WORLD SERIES VOLUME 18: Information Technology and the Forest Sector

Report by the IUFRO Task Force on “Information Technology and the Forest Sector”

jointly organized by the International Union of Forest Research Organizations (IUFRO), the International Institute for Applied Systems Analysis (IIASA), and the Finnish Forest Research Institute (Metla). Lauri Hetemäki and Sten Nilsson (editors). Vienna, IUFRO, 2005, 235 pp.

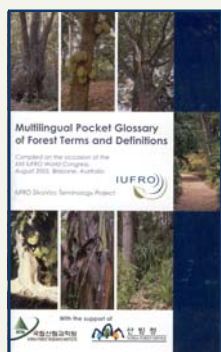
(IUFRO World Series Volume 18).

ISSN 1016-3263 . ISBN 3-901347-56-9

Available from: IUFRO Headquarters, **Price:** EUR 20.— plus mailing costs.

[Web site for download.](#)

The world forest sector has been fundamentally changed by the development of information and communication technology (ICT), but there are still no comprehensive or systematic studies as to how. Nor are there any studies as to how ICT is likely to change the sector in the future. This study aims to fill some of those gaps.



Multilingual Pocket Glossary of Forest Terms and Definitions

Renate Prüller, Coordinator, [IUFRO SilvaVoc](#) Project on Multilingual Forest Terminology with the support of the Korea Forest Research Institute and the Korea Forest Service

Available from: IUFRO Headquarters. **Price:** EUR 6.- plus mailing

The pocket glossary especially compiled for the XXII IUFRO World Congress presents 299 English terms and their equivalents in French, Spanish and German, the four official IUFRO languages. For quick reference, there are also indices in these four languages. Definitions are given in English. The terms and definitions are ordered under the ten Congress themes. An analysis of key terms used in the abstracts submitted to the Congress has provided the basis for the term selection and has been complemented with general forest terms.

Meetings

Find announcements and reports of IUFRO events on our [online calendar](#) and the [homepages](#) of IUFRO Units involved.

IUFRO Co-sponsored meetings

Bridging the Gap – Policies and Science Tools in Implementing Sustainable Forest Management

17-19 (21) October 2005, Alnarp, Sweden

organized by the Swedish University of Agricultural Sciences (SLU), EFI and the European Network for Long-term Forest Ecosystem and Landscape Research, COST Action E 25 (ENFORS). Supported by IUFRO. Website: <http://www2.ess.slu.se/bridgingthegap/homepage.htm>

International Congress on Rivers Detour Management of Forested Water Retention Areas

17-19 November 2005, Kehl, Germany

Co-organized by IUFRO 4.01.08 "Effects of environmental changes on forest growth". Contact: Jürgen Kreuzwieser at <congress@fowara.org>. Website: www.fowara.org

Building the European Commons: From Open Fields to Open Source

23 - 25 March 2006, Brescia, Italy

Organized by IASCP (International Association for the Study of Common Property) and IUFRO 6.13.00 "Forest Law and Environmental Legislation"
Contact: Peter Herbst; Email: <hp@net4you.at>
Website: <http://iascp-europe.eco.unibs.it/>

Managing Forest Ecosystems: The Challenges of Climate Change

3-7 April 2006, University of Valladolid at Palencia, Spain
IUFRO Division 4 International Meeting

Website: <http://www.palencia.uva.es/iufro2006/>

Natural Disturbance-Based Silviculture – Managing for Complexity

14-23 May 2006, Rouyn-Noranda, Quebec, Canada

Meeting of IUFRO 1.14.00 "Uneven-aged Silviculture"
Contact: Brian Harvey at <IUFRO2006@uqat.ca>
Website: <http://web2.uqat.ca/iufro/>

Sustainable Forest Management with Fast Growing Plantations

10-13 October 2006, Charleston, SC, USA

Organized cooperatively by IUFRO 4.04.02 "Planning and economics of fast-growing plantation forests", USDA Forest Service and the North Carolina State University.
Contact Chris Goulding: <Chris.Goulding@ensisjv.com>
Website: <http://iufro-archive.boku.ac.at/iufro-net/d4/wu40402/ev40402.htm>

Meeting Report

6.13.00 Forest Law and Environmental Legislation

7th International Symposium on "Legal Aspects of European Forest Sustainable Development" - Zlatibor Mt, Serbia, May 11 – 15, 2005. [Read the full Report.](#)
The 8th Symposium shall be held in Istanbul (Turkey), May 2006, and the 9th in Zikatar (Armenia), in the summer of 2007.

Non-IUFRO Meetings

Global Partnership on Forest Landscape Restoration – Meeting of Partners

29-30 September 2005, Edinburgh, Scotland, UK

Organizer: Global Partnership on Forest Landscape Restoration. Host: UK Forestry Commission

Website: <http://www.unep-wcmc.org/forest/restoration/globalpartnership/>

Forests. Trees. Human Health and Wellbeing

13-15 October 2005; Thessaloniki, Greece

First European COST Action E39 Conference

More details under Other Meetings at

<http://www.iufro.org/discover/noticeboard/>

4th Forest Stewardship Council (FSC) General Assembly

7 to 9 December 2005, Manaus, Brazil

Contact email: <ga2005@fsc.org>

Website: http://www.fsc.org/general_assembly

Second International Symposium of Veneer Processing and Products (ISVPP)

9-10 May, 2006 Vancouver, Canada

Website: www.2ndISVPP.ca

Course Announcement

Photo-interpretation/remote sensing ONLINE courses

Applications are now being accepted for three photo-interpretation/remote sensing ONLINE 3-credit courses which are offered over the Internet at the College of Extended Learning, University of New Brunswick, Fredericton, Canada.

FOR 4313 Digital Image Processing in Remote Sensing

http://extend.unb.ca/oalp/courses/for4313_en.php

FOR 5303 Remote Sensing of Natural Resources

http://extend.unb.ca/oalp/courses/for5303_en.php

FE 3306 Applied Geomorphology

http://extend.unb.ca/oalp/courses/fe3306_en.php

Registration for the courses: anytime between September 10 and end of October. For information, please contact Prof. Dr. B. Leblon at <bleblon@unb.ca>

Publications

Proceedings of the 6th IUFRO RG 6.13.00 Forest Law and Environmental Legislation Symposium

Abrudan Ioan V., Schmithüsen Franz, Herbst Peter [eds.] 2005. Legal Aspects of European Forest Sustainable Development. Transilvania University Brasov, 180p. ISBN 973-635-504-7. For copies, please contact Prof. Ioan Vasile Abrudan at <abrudan@unitbv.ro>.

Sylviculture et gestion forestière IUFRO 2005

Special Issue of Bois & forêts des tropiques 3^e trimestre 2005, n° 285. Web site: <http://www.lavoisier.fr>
The papers contained in this issue illustrate many of the topics explored in the IUFRO Division 1 (Silviculture) conference held in Montpellier, France in June 2004.