

THE ONLINE INFORMATION BULLETIN OF THE GLOBAL FOREST SCIENCE NETWORK

## IUFRO All Division 5 Conference - Forests and Forest Products Now and in the Future

By Marius C. Barbu, "Transilvania" University of Brasov, IUFRO Coordinator [5.04.00](#) – Wood processing, Deputy Coordinator [5.05.00](#) – Composite and reconstituted products

From 8-13 July 2012, IUFRO Division 5 "Forest Products", together with the Technical University of Lisbon/ISA organized a most successful all-Division 5 Conference in Estoril, Portugal. This major event brought together a record number of more than 500 researchers from all over the world, half of them from Asian countries. Visit <http://www.iufro2012.org/>

The focus of IUFRO Division 5 is on forest products, their processing, finishing, logistics and recycling and includes the use of plantation wood and non-wood forest products. All these topics were well represented in the agenda which was organized along the overriding themes of: Forests for People, Forests and Climate Change, Bioenergy, Resources for the Future, and Wood in Construction as well as Cork and Sustainability.

Portugal was a perfect conference venue not only in terms of excellent logistics and a beautiful setting, it is also a country where forest and forest products research is strongly developed and anchored in universities and R&D centres that focus not only on nationally relevant issues but also on the leading international scientific themes. Moreover, with the previous two All-Division 5 conferences held in Rotorua (2003) and Taipei (2007), respectively, the venue offered an especially good opportunity for European scientists to attend and exchange their knowledge.

The environmental footprint of major conferences is increasingly gaining in importance worldwide. This was another reason why Division 5 chose the Congress Centre of Estoril (CCE). The conference building with its wood, steel and glass construction has been certified by Green Globe International, a recognized sustainability assessment brand.

The chair of the local organizing committee, Helena Pereira, Vice-rector of the Technical University of Lisbon, full professor of ISA (School of Agronomy), and president secretary of the Forest Research Centre/ Centro de Estudos Florestais (CEF), opened the conference and addressed, among other things, the difficulties that



Photo by courtesy of The House of Events

teaching and research at universities and research institutions were currently facing in the fields of forest and wood science mainly in view of economic problems. Division 5 Coordinator Andrew Wong also welcomed the audience and looked ahead to the 2014 IUFRO World Congress (Salt Lake City) which will offer an excellent opportunity for forest products and related research worldwide to showcase its achievements.

The main message of the opening ceremony that was reflected throughout the entire conference referred to the need of research to meet rapidly increasing demands for a variety of forest products while maintaining forests as a source of such products and a resource that also offers social, economic and environmental benefits.

*Cont'd on next page*

Among the major sponsors of the conference were Portucel-Soporocel, Altri, Sonae industria and FSC, with Anefa as a partner and Criar Bosques and Pegada ecologica as green partners.

During the opening ceremony, **Dave Cown**, current Deputy Coordinator of Division 5, was presented **IUFRO's Distinguished Service Award** for his permanent support and significant contribution to the work of Division 5 over more than a decade



*Photo: Dave Cown left, receiving DSA from Jamie Barbour, Division 5 Deputy Coordinator*

Several renowned keynote speakers addressed the audience:

*Eduardo Rojas-Briales (Assistant Director General, FAO): Global and European Challenges of Forests Moving towards Green Economies*

*John N Saddler and Sergios Karatzos (University of British Columbia, Canada): The Biorefining Story: Progress in the Evolution of the Forest Products Industry to a Forest-Based Biorefining Sector*

*Klaus Richter (Technical University of Munich, Germany): Wood in Construction – Including Multi-storey Building*

*Madhav Karki and Nirmal Bhattari (ICIMOD, Nepal): Enhancing the Contribution of Nontimber Forest Products in Supporting Green Economy and Sustainable Development in Mountain Conditions*

*Richard Vlosky (Louisiana State University, USA) and Rajat Panwar (Northland College - Ashland, USA): Competing in the Global Economic Recession*

*Lennart Salmén (Innventia, Sweden): IAWS Academy Lecture - The Wood Fibre Structure – How Can it be Utilized?*

After 60 technical sessions with about 300 oral presentations, 12 business sessions, an exhibition with over 270 posters selected and reviewed by the IUFRO Unit Coordinators and Deputies from over 760 submitted abstracts, and 5 technical visits during a half-day tour, the conference closed with a pledge to strengthen cooperation within the Division and especially to encourage participation of young scientists with a special view to the 24th IUFRO World Congress to take place from 5-11 October 2014 in Salt Lake City, USA.

Visit IUFRO's Division 5 website at: <http://www.iufro.org/science/divisions/division-5/50000/> to learn more about the activities of the Division in general. Also visit the conference website <http://www.iufro2012.org/> where you can find proceedings of the conference, among other things.

## 1st Brazilian Meeting on Forest Mensuration (MENSUFLO)

*Diamantina, Minas Gerais (MG), Brazil*

*Report by Gilciano Saraiva Nogueira, Federal University of Jequitinhonha and Mucuri Valleys/UFVJM, Deputy Coordinator [4.01.02](#) – Growth models for tree and stand simulation*

The 1st Brazilian Meeting on Forest Mensuration (MENSUFLO) was held on 9-10 August, 2012 at the Federal University of Jequitinhonha and Mucuri Valleys/UFVJM. It was organized by professors and graduate students from the area of Forest Management of the Forest Engineering Department, under the general coordination of Professor Gilciano Saraiva Nogueira.



*Photo provided by Gilciano Saraiva Nogueira*

The main objective of the event was to promote the exchange, discussion and dissemination of scientific and practical knowledge among professionals in the area of Forest Mensuration, linked to the various educational, research and extension institutions in Brazil.

Counting with the participation of the most renowned specialists in the country and representatives from forest companies, the MENSUFLO had an audience of approximately 180 people, including speakers, organizers, professionals and students from 19 Brazilian states.

*The key issues discussed were:*

- \* *Historical context of the Brazilian forest mensuration*
- \* *Use of artificial intelligence in forest measurement*
- \* *Mixed effect models applied in studies of growth and yield*
- \* *Forest planning optimized for obtaining multiproduct wood*
- \* *Theoretical and practical aspects of sampling to quantify necromass forest (standing dead fallen wood or biomass)*
- \* *Use of randomized branch sampling to estimate timber and non-timber forest*
- \* *Forest carbon inventory and measurement systems for commercial timber in logs*

During the dinner that was offered to the participants, Professors Francisco Paula Neto and João Carlos Chagas Campos from the Federal University of Viçosa (UFV), and Professors Sebastião do Amaral Machado and Sylvio Péllico Neto from the Federal University of Paraná (UFPR) were honored for their pioneer performances in the area of Forest Mensuration and relevant services to the teaching, research and extension in Brazil.

The meeting provided participants with an opportunity to update and exchange professional knowledge and helped to strengthen contacts between the Brazilian forest mensuration experts, given the excellent quality and innovative themes of the lectures, and the high level

of knowledge and experience of the researchers. Consequently, it was decided to hold MENSUFLO meetings every other year from now on, with the next meeting scheduled for the second semester of 2014 in the state of Curitiba, under the responsibility of UFPR.

*The organizers of the event acknowledge the support received from IUFRO, UFVJM, and the various educational and research institutions, and also the sponsorship granted by the Forest Companies.*

Further information and lectures are available on the website: <http://www.mensuflo.blogspot.com.br>

## 12th International IUFRO Wood Drying Conference

### Challenges and Opportunities Related to Tropical Lumber Drying

Report by Diego Elustondo, FPInnovations – Wood Products, Coordinator of IUFRO [5.04.06 Wood Drying](#)

The city of Belém, capital of the state of Pará in the equatorial north of Brazil, hosted the 12<sup>th</sup> International IUFRO Wood Drying Conference (WDC 2012) from July 30 to August 3, 2012.



Photo provided by Diego Elustondo

This first WDC in South America offered a great opportunity to learn about tropical rainforest species and visit the exuberant Amazon forest. There is growing concern around the world, and especially in Brazil, about the sustainable use of natural resources from tropical forest, and wood drying is an important factor for adding value to that wood.

Amongst other things, drying experts at the conference proposed methods to reduce drying losses, moisture content variability, energy consumption, and emission of volatile organic compounds. Special importance was given to explain government programs that promote a sustainable use of the Brazilian rainforest.

80 participants from 14 countries had the opportunity to attend 28 oral presentations and read 31 posters covering 7 general topics:

- \* *Drying Quality and Wood Properties*
- \* *Methods for Monitoring the Drying Process*
- \* *Physics of Wood Drying and Modeling*
- \* *Applied Wood Drying*
- \* *Alternative Drying Methods*
- \* *Wood Modification Related to Drying*
- \* *Miscellaneous Drying Technologies*

Three wood drying experts that are well connected to the Brazilian forest sector delivered the conference keynotes:

*Ivan Tomaseli (Brazil): Challenges and opportunities related to tropical lumber drying*

*Patrick Perré (France): Energy consumption during lumber drying*

*Marcus Vinícius Alves (Brazil): Forest concession in Brazil and the supply of tropical lumber*

Government officials from the state of Pará, Brazil, talked about their experiences in sustainable use and conservation of natural resources through two government programs: Public Forests Management program; Green Cities program.

Delegates had the chance to participate in three technical visits to the local industry and learn about wood species, manufacturing processes and finished products: Ebata Produtos Florestais (wood flooring) Pampa Exportações Ltda. (wood flooring) Tramontina (furniture)

The WDC is an international IUFRO wood drying conference regularly held every 2 years since 1987. The WDC has been proven to be an invaluable opportunity for wood drying researchers worldwide to gather during 4 to 5 days and share their experiences and results. Furthermore, it has also proven to be a nice opportunity to meet old friends and make new ones!

Visit: <http://www.wdc2012.com/site/>

## Impacts of Extreme Weather on Natural, Socio-economic, and Land-use Systems

By *Olga Krankina, Oregon State University, Deputy Coordinator of IUFRO 8.01.06 Boreal Forest Ecosystems*

A NASA science meeting and workshop on "Impacts of extreme weather on natural, socio-economic, and land-use systems: Focus on the 2010 summer anomaly in the Volga region" were organized to examine the extreme drought which occurred in most of European Russia in 2010.

For this joint event of NASA, Global Observations of Forest and Land Cover Dynamics (GOFC-GOLD) program, and the Northern Eurasia Earth Science Partnership Initiative (NEESPI), 78 scientists from the US, Europe, Russia, and Kazakhstan gathered in Yoshkar-Ola, Russia from June 17-22, 2012 to develop a comprehensive view of the 2010 drought and its impacts on ecosystems and society.

The meeting was held at the Volga State University of Technology (Volga Tech) and was supported by contributions from the Global Change System for Analysis Research and Training (START) program and ScanEx Research and Development Center and with information support from Sovzond, European Forest Institute and the IUFRO.

Meeting participants concluded that the scientific community has built a solid basis by summarizing the biophysical conditions that led to the development of extreme drought of 2010 and observing the direct impacts of drought on forested and agricultural systems. However, there is a need for more research to enhance our understanding of the impacts and explore approaches for the mitigation of similar events in the future.

Thus, a scientific synthesis activity aimed at exploring interdisciplinary connections and feedbacks and linking the observed biophysical conditions to economic and health impacts involving international, national, and regional participants would be highly beneficial.

In addition to the scientific advances, such a synthesis activity would aid in building a regional network connecting academic and management institutions of the Volga region to facilitate scientific support for decision making.

*Proceedings will be published on the conference web page in early autumn 2012:*

[http://csfm.marstu.net/nasa\\_conference/Index.html](http://csfm.marstu.net/nasa_conference/Index.html)

## New IUFRO Working Party on Genetics and Silviculture of Acacias: 2.08.07

IUFRO has a new Working Party which we hope will provide a forum for the many researchers and technical managers growing Australian Acacias around the world. The Co-ordinators Rod Griffin (Australia), Wickneswari Ratnam (Malaysia) and Ha Huy Thinh (Viet Nam), as indicated by their national affiliations, are primarily concerned with industrial tropical acacias, but those of you working on temperate species and also the many multi-purpose arid zone taxa which have utility on rural economies around the world are **most welcome to join!**

*Please contact Rod Griffin at:*

rodgriffin(at)treeimprovement.com and visit the Working Party website at: <http://www.iufro.org/science/divisions/division-2/20000/20800/20807/>

## IUFRO's Featured Member: RECOFTC

### The Center for People and Forests

<http://www.iufro.org/featured-member-of-the-month/article/2012/08/30/recoftc-the-center-for-people-and-forests/>

RECOFTC is the only international organization in Asia-Pacific specializing in capacity building for community forestry and devolved forest management. RECOFTC engages in strategic networks and effective partnerships with governments, international and UN agencies, non-government organizations, research and educational institutes, civil society, the private sector and local people in the Asia-Pacific region and beyond.

During the past two decades, RECOFTC has trained over 20,000 people from more than 27 countries in community forestry, including national policy makers, researchers and practitioners, and local forest users. Training, based on research, is central to all of RECOFTC's work, and is complemented by on-the-ground projects, critical issue analyses, and strategic communication.

The organization's geographical coverage encompasses all countries in the Asia-Pacific region, but prioritizes six focal countries: Cambodia, China, Indonesia, Lao PDR, Thailand, and Vietnam. RECOFTC has its headquarters in Bangkok (Thailand) and country program offices in Phnom Penh (Cambodia), Bogor (Indonesia), and Hanoi (Vietnam). Visit: <http://www.recoftc.org>

If you would like to have your institution presented in IUFRO's featured member section, do not hesitate to **contact us at: office(at)iufro.org**  
We are looking forward to hearing from you!

## Positions

### Forest Peoples Programme (FPP) Seeks Full-Time Executive Director

*Closes 12 October 2012*

FPP is an international NGO based in the UK, which works to support and strengthen forest peoples' organizations in South and Central America, Africa, and Asia.

**Contact:** info(at)forestpeoples.org  
<http://www.forestpeoples.org>

### Faculty Position in Advanced Manufacturing Technologies

*Closes 15 October 2012*

The Department of Wood Science in the Faculty of Forestry at University of British Columbia, Vancouver, Canada invites applications for a tenure-track Canada Research Chair (Tier 2) to begin in July 2013.

**Send applications to:** wood.reception(at)ubc.ca  
<http://www.forestry.ubc.ca/2012/08/faculty-position-in-advanced-manufacturing-technologies-closes-october-15-2012/>

## Publications

### UNECE/FAO Forest Products Annual Market Review 2011-2012

<http://www.unece.org/fpamr2012.html>

The Review covers forest products market and policy developments in the UNECE region of Europe, North America and the CIS. For more information, please **contact:** Matt Fonseca, [Matthew.Fonseca\(at\)unece.org](mailto:Matthew.Fonseca@unece.org).

### Agroforestry Landscapes and Global Change: Landscape Ecology Tools for Management and Conservation

*(Special Issue of Agroforestry Systems Journal, Springer)*

This issue features contributions to the IUFRO Landscape Ecology Working Party 8.01.02 conference in Bragança (Portugal) during 21-24 September 2010:

<http://www.springerlink.com/content/0167-4366/85/3/>

### Traditional Knowledge Contributes to Sustaining Forests and Biocultural Diversity.

*Article in Bois et Forêts des Tropiques, 2012, No. 312 (2) - By IUFRO TF on TFK.*

[http://www.iufro.org/download/file/8967/95/bois-et-forest-des-tropiques-2012-312-2\\_pdf/](http://www.iufro.org/download/file/8967/95/bois-et-forest-des-tropiques-2012-312-2_pdf/)

### New Book on Mangroves and their Protective Function

McIvor, A.L., Möller, I., Spencer, T. and Spalding, M. (2012) Reduction of wind and swell waves by mangroves. Natural Coastal Protection Series: Report 1. Cambridge Coastal Research Unit Working Paper 40. Published by The Nature Conservancy and Wetlands International. 27 pages. ISSN 2050-7941.

## Erasmus Mundus Master Course

### MEDfor - Mediterranean Forestry and Natural Resources Management

2-year Master programme encompassing 3 semesters of coursework plus a Summer School and 1 semester to prepare the Master dissertation. Scholarships available!

**Contact:** joseborges(at)isa.utl.pt; medfor(at)isa.utl.pt, or visit: <http://www.medfor.eu>

## Obituary

IUFRO is sad to inform you of the passing of **Dr. Mirko Medved**, Director of the Slovenian Forestry Institute. Dr. Medved was born on 2 July 1959 and studied at the University of Ljubljana, Department of Forestry. He was considered a great expert in the field of work implementation in private forests, safety and health at work, and in education of private forest owners. His bibliography encompasses almost three hundred units. As head of an IUFRO member institution, Dr. Medved was strongly committed to promoting forest science collaboration and participated very actively in the IUFRO Directors' Forum.

## IUFRO Meetings

Search our [online calendar](#) for a full list of meetings! Find non-IUFRO meetings on the IUFRO **Noticeboard!** Also search for forest-related events in GFIS at: <http://www.gfis.net>

*21-23 Oct 2012*

### International Conference on Bio-base Material Science and Engineering - BMSE 2012

*Changsha, China*

IUFRO [5.01.00](#), [5.02.00](#)

**Contact:** Lihai Wang, [lihaiwang\(at\)nefu.edu.cn](mailto:lihaiwang@nefu.edu.cn)  
<http://www.bmse.org/>

*8-10 Nov 2012*

### VII Latin America Congress on Agroforestry for Sustainable Animal Production

*Belém do Pará, Brazil*

IUFRO [1.04.00](#)

**Contact:** Alvaro Sotomayor Garretón, [asotomay\(at\)infor.cl](mailto:asotomay@infor.cl)  
<http://www.viicongressolatinoamericanosapps.com/en/>

*21-26 Apr 2013*

### Protected Areas and Place Making: How do we provide conservation, landscape management, tourism, human health and regional development?

*Fóz Do Iguaçu (Pr), Brazil*

IUFRO [6.04.00](#)

**Contact:** Teresa Cristina Magro, [teresa.magro\(at\)usp.br](mailto:teresa.magro@usp.br)  
<http://www.iufro.org/science/divisions/division-6/60000/60400/activities/>

*16-21 May 2013*

### Planted Forests on the Globe Renewable Resources for the Future

#### 3rd International Congress on Planted Forests

*Estoril, Portugal*

IUFRO [8.00.00](#), [4.00.00](#)

Preceding workshops in Bordeaux (France), Dublin (Ireland), Porto (Portugal), Bilbao (Spain) and Edinburgh (UK)

**Contact:** Jean-Michel Carnus, [Jean-Michel.Carnus\(at\)pierroton.inra.fr](mailto:Jean-Michel.Carnus@pierroton.inra.fr)  
[http://www.efiatlantic.efi.int/portal/events/2013\\_icpf](http://www.efiatlantic.efi.int/portal/events/2013_icpf)

19-23 May 2013

**2<sup>nd</sup> Forests for People Conference**

Traverse City, Michigan, USA

IUFRO Task Force Forests for People

**Contact:** Ulrike Pröbstl, ulrike.proebstl(at)boku.ac.at  
<http://www.iufro.org/science/task-forces/forests-people/>

12-15 Jun 2013

**IUFROLAT 2013 : Forests, Competitiveness and Sustainable Landscapes**

San José, Costa Rica

IUFRO, CATIE

**Contact:** iufrolat(at)catie.ac.cr

The website will be launched in early October!

1-6 Sep 2013

**Vegetation Response to Climate Change and Air Pollution – Unifying Evidence and Research from Northern and Southern Hemisphere**

Rio de Janeiro, Brazil

IUFRO 7.01.00, 7.01.02

**Contact:** Alessandra R. Kozovits, akozovits(at)gmail.com

<http://www.iufro.org/science/divisions/division-7/70000/70100/70102/>

19-22 Nov 2012

**World Congress on Sustainable Technologies (WCST-2012)**

London, UK

Co-Sponsored by IEEE (Institute of Electrical and Electronics Engineers) UK/RI Section  
<http://www.wcst.org>

26 Nov–7 Dec 2012

**UN Climate Change Conference – COP18/CMP8 including Forest Day 6**

Doha, Qatar

[http://unfccc.int/meetings/doha\\_nov\\_2012/meeting/6815.php](http://unfccc.int/meetings/doha_nov_2012/meeting/6815.php)

4 Dec 2012

**Climate Communications Day, at COP18**

Education City, QF Student Center, Doha, Qatar

The day-long forum, an official side event of the UNFCC

<http://earthjournalism.net/resources/climate-communications-day-2012-draft-program>

21-25 Jan 2013

**VII Southern Connection Congress**

University of Otago, Dunedin, New Zealand

<http://www.otago.ac.nz/V11-southern-connection/>

25-30 Mar 2013

**World Teak Conference 2013**

Bangkok, Thailand

Organized by Her Royal Highness Princess Maha Chakri Sirindhorn – Plant Genetic Conservation Foundation, FAO and Teaknet

**Contact:** K. Jayaraman, coordinator(at)teaknet.org  
<http://www.teaknet.org/world-teak-conference-2013-25-30-march-2013-bangkok-thailand>

2-7 Jul 2013

**The 1st International Forestry Graduate's Conference 2013 (FORGRAD2013)**

Serdang, Selangor, Malaysia

Organized by the Faculty of Forestry Graduate's Students Association (FORGRAD2013) in collaboration with the Management of Faculty of Forestry, University Putra Malaysia

<http://www.forr.upm.edu.my/index.php/forgrad-2013>

25-27 Jul 2013

**Society for Urban Ecology (SURE) World Conference 2013**

Berlin, Germany

Organized by SURE

**Contact:** Dagmar Haase, sure2013(at)hu-berlin.de  
<http://www.society-urban-ecology.org/index.php/meetings/urban-ecology-world-conference-2013-in-berlin>

2-4 Oct 2013

**Outdoor Sports Factor of Sustainable Development**

Liptovsky Mikulas, Tatras Region, Slovakia

Organized by the European Tourism and Outdoor Sports Network

<http://www.nature-sports.eu>



**XXIV IUFRO World Congress**  
Sustaining Forests,  
Sustaining People:  
The Role of Research  
[www.iufro2014.com/](http://www.iufro2014.com/)

**Salt Lake City, UT, United States, 5-11 Oct 2014**

**Other Meetings**

4-7 Oct 2012

**10<sup>th</sup> Forestry Expo**

Puebla, Mexico

CONAFOR

<http://www.expoforestal.gob.mx/>

8-19 Oct 2012

**11<sup>th</sup> Meeting of the Conference of the Parties to the Convention on Biological Diversity**

Hyderabad, India

<http://www.cbd.int/cop11/>

15 Oct 2012

**The Green Life of Wood - Life Cycle Assessment Workshop**

Back to back with the UNECE Timber Committee

Room XII, Palais des Nations, Geneva, Switzerland

<http://www.unece.org/forests/lca-workshop.html>

16-19 Oct 2012

**Economic Commission for Europe Timber Committee 70<sup>th</sup> Session**

Geneva, Switzerland

<http://www.unece.org/fileadmin/DAM/timber/meetings/20121015/>

[ECE TIM 2012 01 Rev.1 E Agenda.pdf](http://www.unece.org/fileadmin/DAM/timber/meetings/20121015/ECE_TIM_2012_01_Rev.1_E_Agenda.pdf)