Wood to wings? Will woody biomass residue from timber harvest help lift aircraft wings in the future?

IUFRO All-Division 5 Conference: Forest Sector Innovations for a Greener Future 12-16 June 2017. Vancouver. Canada

Sustainable aviation biofuel (Biojet) is one example of a "Forests and Energy" technical session in the upcoming IUFRO All-Division 5 conference, Forest Sector Innovations for a Greener Future, to be held in Vancouver, Canada, June 12 to 16. The Innovation/Sustainability theme will form a unifying basis for the week-long conference and will guide the agenda through a series of plenary, technical and special sessions that will catalyze discussion on what the future forest products sector might look like.





Verband Forstlicher

Forschungsanstalten

International Day of Forests

This year's theme is:

Forests and Energy

The United Nations General Assembly proclaimed 21 March the International Day of Forests (IDF) in 2012. The Day celebrates and raises awareness of the importance of all types of forests. On each International Day of Forests, countries are encouraged to undertake local, national and international efforts to organize activities involving forests and trees, such as tree planting campaigns. The theme for each International Day of Forests is chosen by the Collaborative Partnership on Forests, of which IUFRO is a partner. Activities in 2017: http://www.fao.org/international-day-of-forests/en/

The conference program addresses all relevant and topical areas of forest products research from the microscopic structure of wood to the use of wood to promote human health and social wellbeing, and from innovation mass timber structural systems to incorporating traditional ecological knowledge into non-timber forest products. Sessions on bioenergy topics range from recent developments in the deconstruction of wood for biorefinery to the evolution of the global wood-based bioenergy sector.

This will be the first time that the Division 5 - Forest Products conference will take place in Canada. We are expecting to draw more than 500 scientists and practitioners from more than 60 countries. Come join us in June and discover the latest developments in the world of forest products! Registration now open: Early bird rates before March 31! http://www.iufrodiv5-2017.ca/

Plenary topics:

- Forest Sector Innovation How can innovative forest sector based environmental and social approaches assure a greener future for our global society?
- Innovations in Forest Products and Services How will fibre and forests be used in the near- and longterm (focus on bioenergy, biomaterials, biofuels, biochemicals, carbon and non-timber forest products)?

- Innovations in Wood Building and Design What will the next generation's needs for shelter and buildings be and how will they be met?
- Innovations in Forest Management, Policy and Markets – Will there be enough biomass and sustainable products to support the growing global population?
- Innovations in Business Models and Management -What will the businesses of forestry look like in the near- and long-term?

The Conference is jointly organized by IUFRO Division 5 and the Faculty of Forestry at the University of British Columbia, FPInnovations, and the Society of Wood Science and Technology (60th International Convention).



World Wood Day is a cultural event celebrated annually on 21 March to highlight wood as an eco-friendly and renewable biomaterial. WWD 2017 is celebrated in Long Beach, LA County, USA. The 2017 theme is: Roots Find out more at: http://www. worldwoodday.org/2017/



New IUFRO-led Global Forest Experts Panel to Tackle "Forests and Water"

A large proportion of people worldwide have difficulties in accessing and obtaining water to meet their basic needs. As the world's population grows water is expected to become an even more scarce resource in the future. Forests and forested landscapes are essential for various water-related ecosystem services. Water provision and filtering, conservation of soils and climate regulation are among the many services connected to trees and forests, influenced by the interactions between forests and water.

While numerous scientific publications and studies are available on "forests and water" the scientific information has not yet been systematically assessed and synthesized globally. Following the decision by the Collaborative Partnership on Forests (CPF), IUFRO has initiated a global scientific assessment on "forests and water" in the frame of the CPF's Global Forest Expert Panels (GFEP) initiative led and coordinated by IUFRO. The ultimate goal of the new assessment is to produce an up-to-date scientific synthesis report and associated policy brief on the topic by mid-2018.



Scoping Meeting in March 2017 (photo by Andre Purret)

As a first step in the assessment, a Scoping Meeting was held in 16-17 March 2017 in Rome, Italy, kindly hosted by FAO. During the meeting participating CPF members, representatives of GFEP donor agencies and invited experts discussed the goals and objectives of the assessment, defined the scope and thematic elements of the assessment, drafted the first thematic outline of the assessment report and agreed on the next steps.

Following the Scoping Meeting, the GFEP team will select the members of the Expert Panel, involving up to 30 internationally recognized scientists specialized in the topic and the Chair of the Panel. The next major milestone in the assessment process will be the 1st meeting of the Expert Panel that will tentatively be held in late June 2017.

Read more at: http://www.iufro.org/science/gfep/fo-rests-and-water-panel/

World Water Day - 22 March



The day focuses attention on the importance of fresh water and advocates for the sustainable management of freshwater resources. Each year, World Water Day highlights a specific aspect of freshwater. In 2015, World Water Day has the theme "Water and Sustainable De-

velopment". In 2016, the theme is "Water and Jobs," in **2017 "Wastewater"** and in 2018 "Nature-based Solutions for Water".

In December 2016, the United Nations General Assembly unanimously adopted the resolution "International Decade (2018–2028) for Action – Water for Sustainable Development" to help put a greater focus on water during ten years. For more information, visit: http://www.unwater.org/campaigns/world-water-day/en/

Forest Governance: Göttingen University and IPB Bogor Jointly Organized Conference in Bogor

The scientific conference on Forest-Related Policy and Governance: Analysis in the Environmental Social Sciences held in Bogor, Indonesia on 4-7 October 2016 was convened and organized by Dr. Lukas Giessen (Dept. of Forest Policy, Göttingen University/Germany), Dr. Dodik Nurrochmat and Mrs. Eny Widiya Astuti (both Directorate of Strategic Studies and Agriculture Policy, IPB Agricultural University Bogor/Indonesia). The meeting was a milestone event in the work programme of IUFRO Unit 09.05 on Forest Policy and Governance, which is led by Dr. Lukas Giessen, Dr. Ahmad Maryudi (Gadjah Mada University/Indonesia) and Dr. Mercy Afua Adutwumwaa Derkyi (University of Energy and Natural Resources/Ghana).

After a warm welcome speech by Dr. Siti Nurbaya Bakar, Minister of Environment and Forestry of the Republic of Indonesia, Prof. Max Krott (Göttingen University/Germany) gave a timely keynote address on Professional Policy Support by the "RIU Model", initiating the scientific exchange in plenary and technical sessions.

Throughout the conference and its multiple exhibition activities, more than 400 researchers, students and members of professional forest and environmental organizations from 23 countries joined the meeting and got into fruitful contact with IUFRO as a global network organization for forest research.

During the 30 scientific sessions some 107 oral and 46 poster presentations provided state of the art insights into the multi-disciplinary research on forest governance issues from around the globe. Additionally, a number of highly insightful and enjoyable in-conference excursions



provided ample opportunities for networking and continued discussions.

Selected findings presented during the meeting will be published in a forthcoming special issue of Forest Policy and Economics (Elsevier). Documentation of the conference can be found at URL http://www.iufro.org/science/divisions/division-9/90000/90500/activities/.

The organizers especially wish to thank the conference co-hosts at the Indonesian Research, Development and Innovation Agency at the Ministry of Environment and Forestry, as well as the Indonesian Forestry Scholars Association (PERSAKI) for their support. Also, funding provided by the multiple sponsors is gratefully acknowledged.

The organizers are confident that this inspiring conference in a highly hospitable and appealing tropical atmosphere will also encourage other researchers, particularly IUFRO office-holders, to organize similar events for further stimulating vivid scientific cooperation on forests policy and governance around the globe.



Panelists at the scientific conference on Forest-Related Policy and Governance: Analysis in the Environmental Social Sciences in Bogor, Indonesia. Photo provided by Lukas Giessen.

IUFRO Awards 2019

Invitation to nominate candidates for IUFRO Awards to be presented at the IUFRO World Congress 2019 in Curitiba, Brazil

The XXV IUFRO World Congress to be held on 29 Sep to 5 Oct 2019 in Curitiba, Brazil, provides another opportunity to honor outstanding scientific achievements and contributions to forestry with a range of IUFRO Awards:

- Scientific Achievement Award (SAA)
- Outstanding Doctoral Research Award (ODRA)
- IUFRO Student Award for Excellence in Forest Science (ISA)

For all three categories, the Award shall consist of a certificate, the most economical cost of (air) travel/subsidized travel to attend the World Congress, and waiver of the Congress registration fee. The SAA will be presented at the opening or closing ceremony of the World Congress. For the ODRA and ISA, the awards will be presented in a special session where awardees are given the opportunity to present highlights of their award winning work. All award winners will be announced in a special issue of IUFRO News and in other media.

In addition to these awards, the Congress 2019 will offer: Best Poster Award (BPA) IUFRO World Congress Host Scientific Award

For more information and nomination forms, please check the website: http://www.iufro.org/discover/awards/

If you would like to nominate suitable candidates for the various categories of awards, please **send your nominations to** the Executive Director of IUFRO (Mr. Alexander Buck at: *office(at)iufro.org*) with a copy to the Chair of the IUFRO Honours & Awards Committee (Professor John Innes at *john.innes(at)ubc.ca*) **before 31st August 2018**.

IUFRO World Congress 2024

Send in your bids for hosting the IUFRO World Congress in 2024!

The **31 May 2017 deadline** for the submission of bids for the IUFRO World Congress 2024 is rapidly approaching! Those member organizations in the process of preparing a bid are kindly reminded to submit all relevant documents to IUFRO Headquarters (contact: *office(at)iufro.org*).

The Bidding Rules are available at http://www.iufro.org/download/file/24927/81/iwc24-congress-bidding-rules pdf/ for reference.

Should you have any questions concerning the bidding rules and process, please contact IUFRO Headquarters. The IUFRO World Congress will be a unique opportunity for your organization and your country to host a global research community and advance science for the benefit of forests and people.

IUFRO Anniversary Congress

Scientist Assistance Programme

Two types of sponsorship are available for early and midcareer scientists (45 years or younger) preferably from least developed countries, whose abstracts have been accepted by the COC for oral or as poster presentation at the Congress in Freiburg, Germany, on 18-22 Sep 2017:

Full sponsorship covering airfare, accommodation, subsistence and Congress registration fee.

Partial sponsorship covering airfare only. (Scientists from upper middle income countries may only apply for partial sponsorship!)

Find out about eligibility criteria and the application at: http://www.iufro.org/sap-anniversarycongress/
Deadline: 31 March, 2017, midnight Hawaii, USA, time!



Announcements

IFSA Internship at IUFRO Headquarters

For several years, the International Union of Forest Research Organisations (IUFRO), as one of IFSA's partners, has been offering an internship opportunity to students from IFSA Local Committees. In 2017 one student will have the opportunity to work with IUFRO for two months starting mid-October 2017. The intern will be stationed at IUFRO HQ at Marxergasse 2, Vienna, Austria.

Find out more about the internship and how to apply at: http://www.iufro.org/news/article/2017/03/08/ifsa-internship-at-iufro-headquarters-vienna/
Send your complete application to Lisa Prior:

iufro.lo(at)ifsa.net before 14 April 2017 23:59 CET.

New Division 3 Podcast: An Interview with the IUFRO President

The latest addition to the IUFRO Division 3 podcast series is an interview with Mike Wingfield in which he highlights vital roles of IUFRO as the unique global network of forest researchers, and discusses the importance of communication, collaboration, and education within and across IUF-RO Divisions. Dr. Wingfield ends his interview by posing a simple but inspiring question – "what will forests and forestry look like in the future?" Listen here: http://www.iufro.org/science/divisions/division-3/30000/podcasts/

Young People in European Forests (YPEF) Contest!

The YPEF International Commission is holding the seventh edition of the international contest Young People in European Forests. National stages of the contest will be held between 1 February and 15 September 2017. The European Stage will be organized by Hungarian Forestry Association and will take place in Sopron, Hungary in the last week of September 2017.

Find out more at http://www.ypef.eu/

Looking for Information on Orphaned Databases for Tropical Forests

Do you know of any orphaned databases for tropical forests including inventory and plot data that are in danger of being lost? These legacy datasets are invaluable for understanding how tropical forests change through time, including the cumulative impacts of changes in land use and climate, and changes in patterns of biodiversity and carbon storage. The past can help inform the future!

Please contact: Gillian Petrokofsky (Deputy Coordinator, IUFRO 9.01.01) at gillian.petrokofsky(at)zoo.ox.ac.uk or Sheila Ward (Coordinator, IUFRO 1.02.04) at sheila.emily.ward(at)gmail.com

Summer school: From xylogenesis to dendroecology: dendrochronology, quantitative wood anatomy and stable isotopes

When: 25-29 September 2017

Where: Portici and Caserta, Naples, Italy

Organizers: University of Campania "L. Vanvitelli"; Federi-

co II University

Submit application by: 1 September 2017 Details at: http://www.distabif.unina2.it/
For inquiries, write to Giovanna Battipaglia: giovanna.battipaglia(at)unicampania.it

Publications

IUFRO Spotlight #44 - Evidence linking community forest rights and improved forest condition inconclusive

Researchers at Michigan State University conclude that research on linkages between forest tenure and forest condition needs to be broader. Read more at: http://www.iuf-ro.org/publications/iufro-spotlights/article/2017/02/22/iufro-spotlight-44-evidence-linking-community-forest-rights-and-improved-forest-condition-inconcl/

Forest Transition in Asia

Special Issue of Forest Policy and Economics - Volume 76, Pages 1-80, March 2017. Edited by Wil de Jong, Jinlong Liu, Mi Sun Park and Leni Camacho.

The articles in this issue explore forest transition pathways, drivers, conditions and trends in the Asia Pacific region including case studies from several countries.

http://www.sciencedirect.com/science/jour-

nal/13899341/76/supp/C?dgcid=raven_sd_via_email

Proceedings from IUFRO Meetings

http://www.iufro.org/publications/proceedings/

17th International Symposium on Legal Aspects of European Forest Sustainable Development, 18-20 May 2016, Prague, Czech Republic, IUFRO 9.06.00.

http://www.iufro.org/publications/proceedings/proceedings-meetings-2016/#c26049

16th International Symposium on Legal Aspects of European Forest Sustainable Development, 20–22 May 2015, Brasov, Romania, IUFRO 9.06.00.

http://www.iufro.org/publications/proceedings/proceedings-meetings-2015/#c23097

IUFRO Genomics and Forest Tree Genetics Conference, 30 May - 3 June 2016, Arcachon, France, IUFRO 2.04.00, 2.04.01, 2.04.02, 2.04.06, 2.04.10. Special issue of Forests: "Genomics for Sustainable Forestry - Selected Papers from IUFRO Genomics and Forest Tree Genetics Conference"

http://www.iufro.org/publications/proceedings/proceedings-meetings-2016/#c26131

International and multi-disciplinary scientific conference "Forest policy and governance: Analyses in the environmental social sciences", 4-6 October 2015, Bogor, Indonesia, IUFRO 9.00.00, 9.05.00.

http://www.iufro.org/publications/proceedings/proceedings-meetings-2016/#c24930

International Scientific and Expert Conference "Natural Resources, Green Technologies and Sustainable Development - GREEN/2", 5-7 October 2015, Zagreb, Croatia, IUFRO 5.00.00

http://www.iufro.org/publications/proceedings/proceedings-meetings-2016/#c24930

Special issue of "Botany" on the 2016 IUFRO Conference on Mistletoes: Pathogens, Keystone Resource, and Medicinal Wonder; Ashland, Oregon, USA; 17-22 July 2016. March 2017, Volume 95, Number 3.

http://www.nrcresearchpress.com/toc/cjb/95/3

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New ICIMOD Publications

Have a look at http://lib.icimod.org/collection/ICI-MOD%20Publications and learn about the latest publications by the International Centre for Integrated Mountain Development (ICIMOD).

A Sourcebook of Methods and Procedures for Monitoring Essential Biodiversity Variables in Tropical Forests with Remote Sensing

The Essential Biodiversity Variables (EBV) concept proposed by GEO BON, Space Agencies, and the Earth Observation research community at large aims to support efforts for biodiversity monitoring. GOFC-GOLD and GEO BON propose a new sourcebook to promote the best operational monitoring practices for the relevant EBVs based on scientific literature, and consensus.

The first version of the biodiversity sourcebook was released during the IPBES Plenary 2017 and follows the 13th UNCBD Conference of Parties (COP) held in December 2016. Updates will be made on a yearly basis following policy, scientific, and technical developments.

The biodiversity sourcebook is accessible in pdf format for free from the GOFC-GOLD Land Cover Office website: http://www.gofcgold.wur.nl/sites/gofcgold-geobon_biodiversitysourcebook.php and the GEO BON website: http://geobon.org/

Positions

http://www.iufro.org/discover/noticeboard/position-announcements/

Full-time/Associate/Assistant Professor in Interactions of Climate Change and Forest Ecosystems / Forest Restoration or Forest Vegetation

The School of Forestry and Resource Conservation, National Taiwan University currently has an opening in each of the following areas: 1. Interactions of Climate Change and Forest Ecosystems (Main in investigation and monitoring of CO2 or water flux in forests). 2. Forest Restoration or Forest Vegetation, to commence on February 1, 2018. *Location: Taipei, Chinese-Taipei*

Submit application by: 1 September 2017

Details: http://bit.ly/2loW1Q8

IPBES Global Assessment Officer

The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) is seeking a Global Assessment Officer who will be responsible for providing technical support to experts producing the IPBES Global Assessment on Biodiversity and Ecosystem Services. The duty station will be Bonn, Germany. Submit applications by 14 March 2017!

Details: https://jobs.unops.org/Pages/ViewVacancy/VA-Details.aspx?id=11840#6

Doctoral Assistantship (PhD in Forest Resources)

A graduate assistantship for an exceptional doctoral student is available at the Dwivedi Forest Sustainability Lab located at the University of Georgia's Warnell School of Forestry and Natural Resources. The incoming doctoral

student will pursue research on ascertaining the extent of heirs' property (inherited land passed on intestate, without clear title, typically to family members) and its impacts on minority forest landowners and forest management practices in South Central Georgia. *Applications will be reviewed on First Come First Serve basis. Details:* http://forestsustainabilitylab.uga.edu/other/PhD%20Assistant-ship_Heirs'Property%20at%20DFSL,%20Warnell,UGA.pdf

Scholarships

http://www.iufro.org/discover/noticeboard/fellowships-scholarshipsresearch-funding/

APFNet Scholarship Program (ASP) 2017

Launched in 2010 under the APFNet's Capacity Building Framework, the ASP is a scholarship program that supports qualified students in completing a Master's degree program related to Sustainable Forest Management and rehabilitation. In 2017, APFNet plans to select and support about 18 qualified students.

Organization: Asia Pacific Network for Sustainable Forest Management and Rehabilitation (APFNet)

Duration: 2 years, starting from September 2017

Submit application by: 30 May 2017

Details at: http://www.apfnet.cn/index.php?option=comcontent&view=article&id=983&Itemid=128

PhD Field Scholarships: Evaluating Subnational REDD+ Programs

The Center for International Forestry Research (CIFOR) is seeking eight PhD scholars to engage in an international network of researchers to focus on evaluating the impacts of subnational REDD+ initiatives in Brazil, Peru and Indonesia. Submit applications by 15 April 2017!

Details at: http://www.cifor.org/career/151/phd-field-scholarships-evaluating-subnational-redd-programs/

IUFRO Meetings

Search our online calendar for a full list of meetings: http://www.iufro.org/events/calendar/current/
Find non-IUFRO meetings on the IUFRO Noticeboard: http://www.iufro.org/discover/noticeboard/
Also search for forest-related events in GFIS at: http://www.gfis.net

24-26 May 2017

II International Conference on Forests of Russia: Policy, Industry, Science and Education

St. Petersburg, Russia

IUFRO 1.00.00, 3.00.00, 4.00.00

Contact: Maxim Chubinsky, mchubinsky(at)gmail.com http://spbftu.ru/international/conference/events/index. php?view=more&lang=eng&id=51

12-16 June 2017

All-Division 5 Conference - Forest Sector Innovations for a Greener Future

Vancouver, Canada IUFRO <u>5.00.00</u>

Contact: Pekka Saranpää, pekka.saranpaa(at)luke.fi http://www.iufrodiv5-2017.ca/



15-17 Jun 2017 AForGeN 2017

Val Canali, Trentino, Italy

IUFRO 2.04.11

Contact: Maria Höhn, Hohn, Maria(at)kertk, szie, hu

https://www.aforgen.org/

19-21 Jun 2017

Coppice Forests in Europe: a traditional natural resource with great potential

Limoges, France IUFRO 3.01.03

Contact: Vincent Morillon, Vincent.Morillon(at)fcba.fr https://www.eurocoppice.uni-freiburg.de/conferences/ limoges

6-9 Jul 2017

Mini-Symposium "Wood and other lignocellulosic biomass for materials and energy" at International Conference on Materials & Energy (ICOME'17)

Tianjin, China IUFRO 5.00.00

Contact: Fatima Charrier-El Bouhtoury, fatima.

charrier(at)univ-pau.fr

http://icome17.lmt.ens-cachan.fr/index.php

18-20 Jul 2017

7th Forest Science Symposium: Research Underpinning the Sustainability of a Diverse Forestry Sector

Pietermaritzburg, South Africa

Including IUFRO-SPDC Training Workshop http://www. iufro.org/science/special/spdc/actproj/twsouthafrica/ Contact: Sally Upfold, sally.upfold(at)icfr.ukzn.ac.za http://www.icfr.ukzn.ac.za/events

24-28 Jul 2017

Productivity and Safety of Final Cutting on Mountain Forests

Matsuyama and Kochi, Japan

IUFRO 3.03.00, 3.06.00 joint regional meeting in Asia Contact: Raffaele Cavalli, raffaele.cavalli(at)unipd.it Yozo Yamada, yamada.yozo.fi(at)ehime-u.ac.jp http://www.kochi-u.ac.jp/iufrojrm/

24-27 Jul 2017

IUFRO INAFOR Joint International Conference 2017: Promoting Sustainable Resources from Plantations for Economic Growth and Community Benefits

Yoqyakarta, Indonesia IUFRO 2.08.07

Contact: Wickneswari Ratnam, wicki(at)ukm.edu.my http://www.iufroinafor2017.com/conference

3-8 Sep 2017

13th International Christmas Tree Research and **Extension Conference**

Akureyri, Iceland IUFRO 2.02.09

Contact: Gary Chastagner, chastag(at)wsu.edu

http://www.skogur.is/rannsoknir-og-verkefni/radstefnur/ radstefnur-2017/ctre-2017/home

17-18 Sep 2017

Small-Scale Forestry: Most Recent Findings

Freiburg, Germany

IUFRO 3.08.00 Side Conference IUFRO 125th

Anniversary Conference

Contact: Christoph Hartebrodt, Christoph.Hartebrodt(at)

forst.bwl.de

http://iufro2017.com/

18-22 Sep 2017 IUFRO 125th **Anniversary Con-**

gress

Freiburg, Germany http://iufro2017.com/



Interconnecting Forests, Science and People

General Congress Themes

Theme 1 - Forests for People

Theme 2 - Forests and Climate Change

Theme 3 -Forests and Forest-based Products for a Greener Future

Theme 4 -Biodiversity, Ecosystem Services and **Biological Invasions**

Theme 5 - Forests, Soil and Water Interactions

All-Division Meetings

Division 3 Forest Operations Engineering and

Management

Division 4 Forest Assessment, Modelling and

Management

Division 6 Social Aspects of Forests and Forestry

Division 7 Forest Health

Division 9 Forest Policy and Economics

Find out about sessions:

http://iufro2017.com/sessions/

Other Meetings

18-19 Apr 2017

The Role of Women in Mountain Regions

Alpbach/Tvrol, Austria

International conference under the Austrian presidency of the Alpine Convention

Contact: fraueninbergregionen(at)umweltbundesamt.at http://fraueninbergregionen.at/ms/fraueninbergregionen/fib_welcome/

25-26 May 2017

International Congress on Cork Oak Trees and Woodlands: conservation, management, products and challenges for the future

Sassari, Italy

Organizers: Department of Science for Nature and Environmental Resources - University of Sassari; Forestry and Wood Research Centre of the Italian Council for Agricultural Research and Economics; Institute of Ecosystem Study of the National Research Council - unit of Sassari http://www.corkoaksardiniacongress.it/index.html

20-23 November 2017

Latin American and Caribbean Bat Congress (COLAM)

El Salvador

Organizers: The Latin American and Caribbean Network for Bats Conservation (RELCOM), The Bat Conservation Program of El Salvador (PCMES), Asociación Territorios Vivos El Salvador (ATVES)

http://iicolam.atves.org/

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