

## Adaptive Management for Forested Landscapes in Transformation

Report by Sandra Luque, IRSTEA, France, Coordinator of IUFRO Division 8 Forest Environment, and Jose Alberto Gobbi, INTA, Argentina

<https://www.iufro.org/science/divisions/division-8/80000/activities/>

The IUFRO 2018 Posadas/Argentina conference on **Adaptive Management for Forested Landscapes in Transformation** on 1-5 October highlighted the accelerated environmental changes that are taking place in the Anthropocene. The Conference addressed issues arising from the transformation of forests in response to the pressures of globalization, population growth, resource scarcity and ecological degradation.

The event provided a platform for discussions on the importance of **biodiversity** as an essential component to human well-being. Many examples related to the loss of species and the degradation of ecosystems were presented in different sessions. What was also addressed was the status of the achievement of global goals on biodiversity.

Finally, a forum on **Science in Dialogue** between scientists from different backgrounds and policy makers provided a view towards improving planning and decision-making in forested landscapes. Conference participants had the opportunity to discuss around the main topic of Challenges of sustainable development: implications for the future of forests and forested landscapes. Operational solutions to reconcile biodiversity conservation in the light of increasing demands on natural resources and land were at the core of the conference towards the different sessions concerned with topics from governance and sustainability to remote sensing tools.

The conference took place in a convention center known as the "Center of Knowledge", a truly inspiring place in the outskirts of the city of **Posadas**. Posadas is the capital city of the Argentine province of Misiones, in the far north-east of the country on the left bank of the Paraná River, opposite to Paraguay.

More than 170 **participants** from 45 different countries, mainly from Latin America, came to the event, which was organized by INTA Argentina (National Institute of Agricultural Technology, IUFRO member) and supported by the Government of Misiones, through the Provincial Ministry of Ecology. The conference was declared an event of provincial importance by government authorities.

**Keynotes** provided diverse views on sustainable use and governance for multifunctional forests and landscapes: Professor Thomas Knoke from Albert-Ludwigs-University in Freiburg, Germany, focused on forest economics and sustainability; Dr. Eeva Primmer, senior researcher at Syke, Finland, provided insights into environmental policy; Dr. Florencia Montagnini, Director of the Program in



Photos by Ignacio Villasuso (Comunicación INTA Centro Regional Misiones)  
Above: Jose Gobbi (INTA) and Sandra Luque (IUFRO) with banners showing partners' logos

Tropical Forestry and Agroforestry of Yale, USA, provided a comprehensive view on agroforestry systems.

The conference in Posadas was also an opportunity to promote IFSA activities among **young researchers**. A Forum on Education and a training workshop were organized by the [Joint IUFRO-IFSA Task Force on Forest Education](#). In addition, two pre-conference courses provided a unique opportunity for young researchers and practitioners to exchange knowledge in the fantastic facilities at the INTA Regional Centre of Misiones.

The three different **field trips** that took place in the middle of the conference opened up plenty of opportunities for exchange while providing a close-up of the rich cultural and natural heritage of the region.

At the closure of the conference Yeda de Oliveira (EMBRAPA Brazil) also extended an invitation to continue the exchange next year at the **IUFRO World Congress in Curitiba**. We are looking forward to building up on the key goals highlighted during the IUFRO Posadas event supporting the knowledge that is needed for decision-makers!

An "**IUFRO Posadas Declaration**" underlining main conclusions from the Conference, is under preparation and will be presented at the IUFRO World Congress in Curitiba in 2019. One of the main conclusions is that work should be reinforced towards biodiversity and sustainability reconciling forest conservation and adaptation with SDGs (Sustainable Development Goals) to keep healthy forested landscapes.

## Planted Forests – A Solution for Green Development

Report by Helinä Poutamo, IUFRO-IFSA Student Intern

Find a full summary here:  
<https://www.iufro.org/science/task-forces/planted-forests/activities/>



The 4th International Congress on Planted Forests (ICPF) in Beijing, China, was the first one of its kind to take place in Asia. And, it was the largest international event on planted forests ever held in China. It was set to explore the role of planted forests in the sustainability of biological resources, environment protection, green development and climate change.

The 4th ICPF entitled "Planted Forests - A Solution for Green Development" was held from 23-25 October. It was organized by the Chinese Academy of Forestry in collaboration with IUFRO and FAO and gathered more than 700 scientists, forestry practitioners, policy-makers, and forestry students from 70 countries worldwide. Several members of the IUFRO Task Force on Sustainable Planted Forests for a Greener Future belonged to the scientific committee of the Congress. Altogether, 66 speeches and special contributions were given along with 239 oral presentations and 48 posters. During a World Café event participants discussed their opinions and pointed out challenges that would need further research. All these components contributed to the four themes of the Congress and, thus, to the following key messages:

**Multi-purpose management of planted forests** will be increasingly important for both conservation and production purposes globally in the changing environment. Increasing emphasis will have to be placed on balancing the economic, social and environmental sustainability of planted forests in a broader landscape perspective. For the success of sustainable multi-purpose forest management, integrated approaches and models are required.

**Genetic resources and tree breeding** are needed to preserve endangered species and biodiversity for higher productivity and smart use of planted forests.

**Sustainable management and utilization** of planted forests for value-added wood, fibre, and non-wood forest bioproducts are to be developed in a context of an integrated bioeconomy.

**Development and improvement of forest policy** and socio-economics in relation to planted forests is needed to enhance the resilience and adaptive capacity of planted forests, which are vulnerable to both natural and economic hazards. Additionally, long-term monitoring and research on the relationship of productivity and environmental factors should be strengthened, and the contribution of planted forests to tackle climate change should be addressed.

**The next step:** The 5th ICPF will be held in 2023 in Florida, USA.

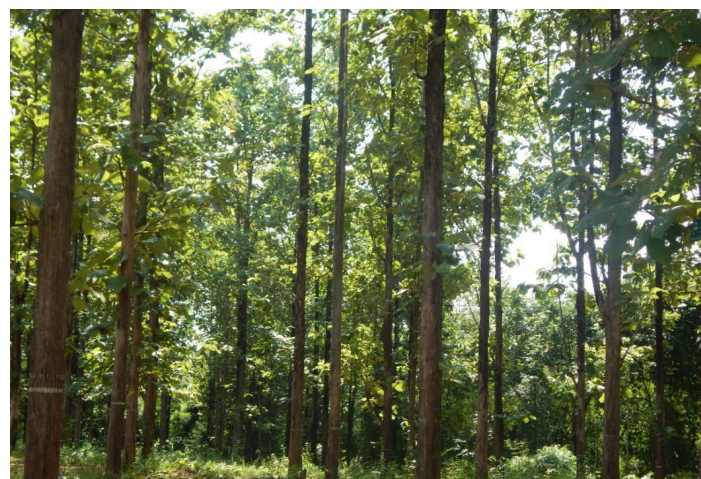
Meeting website: <http://icpf2018.com/>  
Interview with IUFRO ED Alexander Buck: <http://icpf2018.com/interview/dx9ujdeicokqxjgojxniug8883246172118102.shtml>

## Mainstreaming High Quality Timber Production from Planted Teak Forests and Efforts for Conservation of Teak Genetic Resources

On the occasion of the **4th International Congress on Planted Forests**, 23-27 October 2018, Beijing, China, the International Teak Information Network (TEAKNET) and [IUFRO Teakwood Working Party 5.06.02](#) with the support of FAO Regional Office for Asia Pacific (FAO RAP), Bangkok, co-hosted a high level Partner Event on Teak "Mainstreaming High Quality Timber Production from Planted Teak Forests and Efforts for Conservation of Teak Genetic Resources" on 23 October.

IUFRO Executive Director Alexander Buck provided opening remarks and took the opportunity to emphasize that teak resources are at stake and in continuous decline in all its natural habitats. In the course of an IUFRO initiative, a panel of teak experts met in Vienna in December 2016 to work out long-term conservation strategies that led to the IUFRO publication of a [Global Teak Study](#) in 2017.

The event covered wide aspects of teak silviculture, nutrient management, smallholder agro-forestry systems, forest landscape restoration and economic benefits to farmers, the need for legality issues and sustainable extraction,



1982 clonal teak seed orchard at Myanmar (PK Thulasidas)

conservation strategies, etc. After the presentations, the panelists invited comments from the audience on the main questions: For implementing the Global Teak Support Programme and taking it forward, what are the essential areas of involvement and activities that Teaknet Partners should pursue? What are the modalities necessary for consolidating efforts? The chairman explained that the key messages evolved would provide substantial input while implementing the Global Teak Support Programme.

Find outcomes, conclusions and more information here: <https://www.iufro.org/science/divisions/division-5/50000/50600/50602/activities/>



Photo source: 4th ICPF report  
<https://www.iufro.org/science/task-forces/planted-forests/activities/>

## International Workshop for Heads of Forest Research Institutions – Celebrating the 60th Anniversary of the Chinese Academy of Forestry

By Alexander Buck, IUFRO Executive Director

A Chinese proverb says: *A journey of a thousand miles begins with a single step.* A transformational step for forests and forestry in China was taken when the Chinese Academy of Forestry (CAF) was formally established in 1958. Since its creation 60 years ago, the Academy has made significant contributions to advancing the knowledge base about the management and conservation of forests domestically and at an international scale.

To commemorate the establishment of the Academy, a two-day event **"CAF Anniversary and Associated International Workshop for Heads of Forest Research Organizations"** was held on 27-28 October 2018 in Beijing. More than 160 representatives from 13 international organizations and 41 national forest research and education institutions joined the anniversary event, reflecting the multiple collaborations established by the Academy with partners around the globe.

Importantly, the Academy is a long-standing and very active member organization of IUFRO. Numerous CAF scientists serve IUFRO as officeholders and play an active role in promoting research excellence and knowledge sharing around the globe. The academy has hosted numerous IUFRO events, including the Regional Congress for Asia and Oceania 2016, the largest IUFRO Regional Congress held to date. Most recently, the Academy organized the 4th International Congress on Planted Forests (see p. 2).

During the formal anniversary celebration, IUFRO ED Alexander Buck had the pleasure to deliver a congratulatory address on behalf of IUFRO and the forest science community, expressing sincere congratulations to President Zhang Shougong and his entire staff. Furthermore, the International Workshop with the theme **"Forest Research in Response to Climate Change"** provided an opportunity to present relevant activities of IUFRO and to share knowledge and ideas with leading representatives from national and international forest institutions.



### Shirong Liu New CAF President!

**IUFRO would like to congratulate** Professor Shirong Liu most warmly on his appointment as President of the Chinese Academy of Forestry. It makes us extremely proud to be able to say that the Academy is one of the largest and most active member organizations of IUFRO. And, it gives us particular pleasure that Professor Shirong Liu is a member of the IUFRO Board.

***We look forward to another successful 60 years of science collaboration with CAF!***

## Diseases and Insects in Forest Nurseries

Report by H. Tuğba Doğmuş Lehtijarvi, Chair of the Local Organizing Committee

The meeting of [IUFRO Working Party 7.03.04 Diseases and Insects in Forest Nurseries](#) was held on 21-26 October 2018 in Kuşadası, Turkey, and brought together 33 participants from Turkey, Canada, Poland, Switzerland, Sweden, Lithuania, UK, Italy, France, and the Czech Republic. It was generously hosted by the Faculty of Forestry, Department of Forest Engineering Suleyman Demirel University, Isparta, Turkey. In the course of the meeting, participants visited two forest nurseries and were introduced to different cultivation systems, and pest and disease management practices.

The meeting provided a unique opportunity to present and discuss issues related to seedling production in forest nurseries including questions on detection and identification of pests and diseases, their management and future prospects.

Special attention was given to invasive pests and diseases, which can be expected to increase in the future due to climate change and globalization. The increasingly observed damage by oomycetes was another hot topic that was broadly discussed.

### Conclusions:

- Seedling production in forest nurseries continues to be challenged by different pests and diseases, and, if mismanaged, may contribute to pest and disease dissemination.
- New and invasive pests and diseases represent a great threat in forest nurseries and require special attention.
- Imports of living plants represent a pathway for the introduction of pests and diseases.
- Monitoring and deployment of new tools should aim at better management of pests and diseases.

A book of abstracts is planned to be published in the near future on both the meeting webpage and the IUFRO Working Party 7.03.04 webpage. The next meeting for IUFRO Working Party 7.03.04 is planned to take place in Western Australia in 2021.

Meeting website: <http://www.iufroturkey2018.org/>  
IUFRO WP webpage: <https://www.iufro.org/science/divisions/division-7/70000/70300/70304/activities/>



Discussion on oak production at the Denizli Forest Nursery, Denizli, Turkey 2018 (by Audrius Menkis)

### Ecology and Silviculture of Beech

Read this report by *Tetsuya Matsui and Alfredo Di Filippo* about the successful 11th International Beech Symposium of the IUFRO Working Party 1.01.07 "Ecology and Silviculture of Beech", held in Tuscia University in Viterbo, Italy, on September 18-21, 2018, and learn about the wonderful beech forests the participants visited. (IUFRO News 10/11 of 2018 already included a short article about this meeting!)

Find the report and the final version of the Viterbo Declaration here: <https://www.iufro.org/science/divisions/division-1/10000/10100/10107/activities/>  
More at: <https://alfredodifilippo.com/2018/11/01/iufro-beech-symposium-2018-viterbo/>

Part of the group with 600-year old beech tree in the Abruzzo, Lazio and Molise National Park.  
Photo by Alfredo Di Filippo.



### Position and Perspectives of Forestry and Wood Technology in the 21st Century

Report by *Andreja Đuka*, Faculty of Forestry University of Zagreb, Croatia

On 19 October 2018 an international scientific conference entitled *Position and Perspectives of Forestry and Wood Technology in the 21st Century* was held in Zagreb, Croatia to celebrate 120 years of academic forestry education and 70 years of higher education in wood technology at the Faculty of Forestry of the University of Zagreb.

The conference was held under the auspices of the Ministry of Agriculture and the Ministry of Science and Education and was supported by [IUFRO Divisions 3 and 5](#) as well as the Innovawood institute. After the plenary session, during which the importance of forestry teaching for the development of Croatian forestry was presented, the role of forest in the global carbon cycle, the challenges of wood use and the impact on bioeconomics, was addressed in two technical streams: forestry and wood technology.



Photo provided by A Đuka, Faculty of Forestry Zagreb University

Find information on the event here:  
<http://www.sumfak.unizg.hr/Upload/novosti/1-Javno/120%20SF%20izvjestaj%20za%20web.pdf>

## IUFRO at the Global Landscapes Forum GLF2018 in Bonn

At the GLF2018 IUFRO participated most successfully in a **Learning Pavilion** and co-hosted a **Discussion Forum** entitled "Don't Ignore Drylands: Restoring the Forests of Continental Asia".

At the Learning Pavilion IUFRO held a workshop where John Stanturf, Stephanie Mansourian and Michael Kleine, the co-authors of "Implementing Forest Landscape Restoration – A Practitioner's Guide", introduced the guide, its objectives and its use.

The Discussion Forum highlighted in a very interactive way the main challenges and opportunities encountered by countries in the Caucasus and Central Asia in their forest landscape restoration efforts. Talks focused on the ways and means to implement forest landscape restoration on the ground, from policy to practice, in four specific countries: Iran, Mongolia, Kazakhstan, and Kyrgyzstan.

The forum was jointly hosted by IUFRO, the National Institute of Forest Science, Republic of Korea (NIFOS), and the Center for International Forestry Research (CIFOR), in collaboration with IUCN, World Bank, and the German Ministry for the Environment, Nature Conservation, and Nuclear Safety (BMU).

More information about IUFRO at the GLF and a link to the Practitioner's Guide and other publications: <https://www.iufro.org/events/other-major-events/glf-2018/>  
Visit the GLF website: <https://events.globallandscapesforum.org/bonn-2018/>



Learning Pavilion workshop (photo IUFRO)



Discussion forum - moderated dialogue (photo IUFRO)

## Showcasing the Role of Forest-based Actions to Combat Climate Change

Forests, climate change and other sustainability challenges are inextricably linked. This important fact was at the center of a high-level event entitled "Promoting synergies between the UN Strategic Plan for Forests 2030, the Paris Agreement and the Sustainable Development Goals" held on 4 December 2018 during the twenty-fourth session of the Conference of Parties to the UNFCCC in **Katowice, Poland (UNFCCC COP24)**.

Climate change is already affecting people, livelihoods, and ecosystems worldwide. Against this background the event showcased the important role of forest-based actions to combat climate change through

coherent implementation of the 2030 Agenda, the Paris Agreement, and the UN Strategic Plan for Forests 2030.

Mr. Liu Zhenmin, Under-Secretary-General for Economic and Social Affairs, gave the opening keynote. Panelists Henryk Kowalczyk (Minister of Environment, Poland), José Antônio Marcondes de Carvalho, (Chief Negotiator for Climate Change, Undersecretary for Environment, Energy and Science and Technology, Ministry of Foreign Affairs, Brazil) and Niklas Hagelberg (Coordinator, Climate Change Subprogramme, UN Environment) emphasized the role of the voluntary actions and initiatives in the attainment of the SDGs, the Paris Agreement, and the Global Forest Goals.

The discussion was moderated by IUFRO Executive Director Alexander Buck, who also gave the introductory presentation.

The Forum - **Changing the nature of cities: the role of urban forestry for a green, healthier and happier future** - was organized by FAO, the Municipality of Mantova, the Italian Society of Silviculture and Forest Ecology (SISEF) and the Politecnico di Milano. It provided a platform for sharing positive examples



**World Forum on Urban Forests**  
Mantova 2018

of urban forest planning, design and management around the world, and an opportunity to firm up participants' commitments to harness the benefits of forests. At the Cities Forum, FAO and the Arbor Day Foundation launched the *Mantova Challenge*. More at:

<http://www.fao.org/news/story/en/item/1171796/icode/>

## Expert Group Meeting for Forest Landscape Restoration in the Tropics

On 14-16 November 2018, AFoCO (Asian Forest Cooperation Organization) jointly organized an 'Expert Group Meeting for Forest Landscape Restoration (FLR) in the Tropics' with the International Tropical Timber Organization (ITTO) and the Royal Forest Department (Thailand) in Bangkok, Thailand. IUFRO was represented at this meeting by Vice-President John Parrotta.



Photo provided by Kikang from AFoCo

The meeting aimed to review global FLR initiatives and programs implemented in the tropics and to identify possible synergies to be captured to efficiently meet the internationally agreed targets to increase forest areas. The meeting also recommended on the scope and key elements to be included in the new FLR guidelines which will be developed by ITTO in the coming year with other members of the Collaborative Partnership on Forests (CPF).

The Meeting was attended by 28 experts from relevant international organizations, government agencies each representing developed economies, developing countries, Asia-Pacific, Africa and Latin America, Non-Governmental Organizations, and the private sector.  
<http://www.afocosec.org/afoco/pc/en/news/news/view.php?id=275>

## Forest Service Science and Technology Goes around the World

Excerpts from a blog article published in the October issue of the U.S. Forest Service R&D Newsletter: <https://www.fs.fed.us/blogs/forest-service-science-and-technology-goes-around-world>

The factors affecting the health and resiliency of forests do not respect international boundaries. For example, invasive pests and plants, fire, and climate change all impact many other countries as well as the United States. By sharing information across scientific disciplines and jurisdictional boundaries, the Forest Service can better anticipate threats and develop solutions with international partners. (...)

By publishing scientific papers, speaking at international conferences, collaborating on international research, and participating in initiatives sponsored by other organizations, Forest Service researchers work at the forefront of their respective scientific fields to promote healthy forests at home and around the world.

For example, training young scientists in workshops coordinated by the International Union of Forest Research Organizations builds capacity that helps developing countries sustain and restore their forests. (...)



Conference "Synthesising and Sharing Globally Available Forest-related Scientific Knowledge" in Puerto Rico, 2017 <https://www.iufro.org/science/special/spdc/netw/flr/flrconf/> Photo by J Burns

The field of urban forestry has also gone global. The iTree software developed by Forest Service researchers is now used in cities around the world to assess the value of a city's trees and aid managers in decisions about tree planting and management. (...)  
(Also read IUFRO Spotlight #58 on urban forestry: <https://www.iufro.org/media/iufro-spotlights/iufro-spotlight-58/>)

The U.S. Forest Service is not only the largest IUFRO member organization, it is also one of the most active members, for which we are immensely grateful. Thanks to the generous support of the Research & Development division in particular, more than 40 U.S. Forest Service researchers are able to actively serve in IUFRO as officeholders.

## Announcements

### Biological Invasions in Forests: Launch of IUFRO Task Force Website

New webpages have been assembled by the IUFRO Task Force on Biological Invasions to serve as a starting point for individuals interested in learning more about biological invasions in forests: <http://iufro-invasions.org/index.html>

This [IUFRO Task Force](http://iufro-invasions.org/index.html) is an interdisciplinary team of scientists aiming to synthesize current information across a diverse range of fields and develop in-depth approaches to managing biological invasions in forests worldwide.

## Forest Education in the Limelight on the 2019 International Day of Forests

The International Union of Forest Research Organizations (IUFRO), the International Forestry Students' Association (IFSA) and the University of Helsinki with HY+, in collaboration with the Food and Agriculture Organization of the United Nations (UN FAO), wish to mark the occasion by shining a spotlight on forest educators:

### Global Competition on BEST PRACTICES in Forest EDUCATION

Submit your best practice by 18 January 2019!

**Global Competition on Best Practices in Forest Education**

*The future of forests is in your classroom today*

Deadline for submission of best practices is January 18 2019

Joint IUFRO-IFSA Task Force on Forest Education

UNIVERSITY OF HELSINKI IUFRO INTERCONNECTING FORESTS, SCIENCE AND PEOPLE IFSA HY+ CENTRE FOR CONTINUING EDUCATION

More often than not, great educators do not receive the recognition they deserve and their powerful teaching methods have a limited sphere of influence. To raise awareness of forest education and its impact on sustainable forest management, IUFRO, IFSA, HY+ and the University of Helsinki have launched a Global Competition to find the Best Practices in Forest Education. Winning methods will be shared to a worldwide audience, and winners will of course receive prizes! The Best Practices competition will award **two main prizes**: One IUFRO 2019 World Congress Prize Package and one Forest Visit to Finland!

Find out more: <https://www.iufro.org/science/task-forces/forest-education/competition-best-practices-in-forest-education/>

### Video Contest: Show the World HOW YOU TEACH Children about Forests!

Deadline for entries is 31 January 2019!

FAO is inviting teachers and instructors to **send in a short video** that shows how they teach future generations about the importance of forests. The winner will be invited to Rome, Italy, on 21 March to celebrate the International Day of Forests!

Find out more: <http://www.fao.org/international-day-of-forests/teachers-contest>

## Joint EFI-IFSA-IUFRO Project: Global Student Networking and Green Jobs

A new project on "Global student networking and green jobs" run by the European Forest Institute (EFI) in close collaboration with the International Forestry Students' Association (IFSA) and the International Union of Forest Research Organizations (IUFRO) was launched on 30 November.

The joint project is generously funded by the German Federal Ministry of Food and Agriculture (BMEL) and will be hosted by EFI in Bonn, Germany. The project seeks to provide insight into the future labor market including changing professional skills. This will be done through systematic analysis of the development of employment in the forest sector globally.

Read this media release: Equipping young forest leaders for a changing work environment

<https://www.iufro.org/media/latest-releases/>



Photo credit: EFI/IFSA/IUFRO

## New Toolkit for Mentoring Programs

This toolkit for agriculture, forestry, landscapes and other sectors is aimed at people who are considering setting up a mentoring program in or for their organization, community, or wider sector. It synthesizes a decade of learning and resources from agriculture and forestry mentoring programs implemented by Young Professionals for Agricultural Development (YPARD), the International Forestry Students' Association (IFSA) and African Women in Agricultural Research and Development (AWARD). Learn more at: <https://ypard.net/2018-11-07/want-run-mentoring-program-toolkit-will-show-you-how>

## Survey: What will Forests and Forestry Look Like in 2030?

Will we have a bright or a gloomy future? What drivers will shape forests and forestry? These are some critical questions that we need to address to ensure that we prepare for the future and take robust actions and strategies accordingly. As part of the Third Asia-Pacific Outlook Study (APFSOS III), FAO RAP invites you to **take part in this survey**, which will take only 15' to complete: <https://www.surveymonkey.com/r/ForestOutlook>

## Publications

### How Do Professionals Find the Science They Need?

By Rich Guldin, Senior Research Fellow, SAF

The Society of American Foresters held seven small group dialogues throughout the United States. One of the questions discussed was how natural resources professionals - resource managers and policy-makers - find the science they need to do their jobs. **Six key findings emerged:** <http://blog.iufro.org/2018/12/06/how-do-professionals-find-the-science-they-need/>

### Forest Landscape Restoration in South Asia – Sharing Best Practices

By Helinä Poutamo, IUFRO and IFSA Student Intern

Members of the Global Partnership on Forest and Landscape Restoration (GPFLR) contributed to an IUFRO-led knowledge-sharing workshop in Sri Lanka on best practices for implementing forest landscape restoration in South Asian countries. 53 professionals from relevant governmental and non-governmental organizations from Bangladesh, India, Nepal, Pakistan and Sri Lanka, as well as 7 FLR experts from overseas, contributed to the workshop.

**Learn about the key outcomes here:**

<http://blog.iufro.org/2018/11/29/forest-landscape-restoration-in-south-asia-sharing-best-practices/>

### Considering the Human Dimension when Restoring Forest Landscapes

There is limited guidance on how to go about restoring forest landscapes when it comes to integrating both ecological and human dimensions of FLR. The need for this integration was the main motivation for the newly published book entitled **Forest Landscape Restoration: Integrated Approaches to Support Effective Implementation** (ISBN: 978-1-138-08429-2), which was edited by Stephanie Mansourian (Consultant, member of IUFRO Task Force Forest Adaptation and Restoration under Global Change, and Research Associate, University of Geneva, Switzerland), and John Parrotta (US Forest Service and IUFRO Vice-President). *Read the full article:*

<http://blog.iufro.org/2018/11/27/considering-the-human-dimension-when-restoring-forest-landscapes/>

### IUFRO Spotlight#63 - What's in the Future for Non-Timber Forest Products?

The Forest Service of the U.S. Department of Agriculture has recently published "...the most comprehensive assessment covering the production and management of non-timber forest products (NTFPs) and resources – as well as the cultural, social, economic, and policy dynamics that affect them." The assessment covers every state in the U.S. But the findings can be utilized far beyond the U.S. borders. *Read the full article here:* <https://www.iufro.org/publications/iufro-spotlights/article/2018/11/27/iufro-spotlight-63-whats-in-the-future-for-non-timber-forest-products/>

### Piecemeal Integration: Explaining and Understanding 60 Years of European Union Forest Policy-Making

By Helga Pülzl (BOKU Vienna), Doris Wydra (University of Salzburg) and Karl Hogl (BOKU Vienna)

This article looks at forest policy as an empirical case study of European integration. The findings clearly show

that, to a certain extent, all European integration theories have their merits for the analysis. However, none of the employed integration theories alone can explain all the relevant aspects of the broader developments in EU forest policy. Two of the authors, Helga Pülzl and Karl Hogl, are officeholders in IUFRO.

*Find the article here:* <https://www.iufro.org/science/divisions/division-9/90000/90500/90501/publications/https://www.mdpi.com/1999-4907/9/11/719>

### Dynamics, Silviculture and Management of Mixed Forests

Bravo-Oviedo, A.; Pretzsch, H., del Río, M. (Eds). 2018. Springer International Publishing, 420 p + Extra Material. ISBN 978-3-319-91952-2. In von Gadow, K., Tomé, M., Pukkala, T. *Managing Forest Ecosystem Series Vol 31*. ISSN: 1568-1319.

The book will serve as a reference tool for students, researchers and professionals concerned about the management of mixed forests in a context of social and environmental change. *It can be found at:*

<https://www.springer.com/gp/book/9783319919522>

### Forests and Water - Valuation and Payments for Forest Ecosystem Services

*Study prepared by the ECE/FAO Forestry and Timber Section:* <http://www.unece.org/index.php?id=50249>

The objectives of this study are to further improve our understanding about the ways in which payments for ecosystem services schemes can be applied to forests focusing, in particular, on forest's hydrological functions for the mutual benefit of both humans and the environment. In addition, the study covers advances and challenges facing these schemes and provides practical guidance for policymakers and practitioners.

## Positions

<https://www.iufro.org/discover/noticeboard/position-announcements/>

### Master Research Assistantship in Forest Economics and Policy

*Open until filled; the final candidate will be picked before 21 December 2018.*

The Department of Forestry and Natural Resources, University of Kentucky, Lexington, USA, is seeking qualified individuals to work on a research project on Economic Impacts of Timber Supply – with a focus on oak (*Quercus* spp.) – in Kentucky. A two-year scholarship funded either as Research or Teaching assistantship is available starting August 2019.

*Details:* [https://www.iufro.org/download/file/29895/5545/nb-kentucky-Research\\_Assistantship\\_in\\_MS\\_-\\_Forest\\_Economics\\_and\\_Policy\\_Fall\\_2019\\_pdf/](https://www.iufro.org/download/file/29895/5545/nb-kentucky-Research_Assistantship_in_MS_-_Forest_Economics_and_Policy_Fall_2019_pdf/)

### Professor - Program of Landscape and Recreation

*Apply by 26 December 2018!*

National Chung Hsing University (NCHU) is inviting applications for a Full-Time Tenure-Track Position at the Rank of Assistant/Associate/Professor Program of Landscape and Recreation. Applicants must have a PhD in the relevant discipline and also comply with the University's terms.

*Details:* <http://plr.nchu.edu.tw/> and [https://www.iufro.org/download/file/28366/5545/nb-national-chung-hsing-university-professor-water-and-soil\\_doc/](https://www.iufro.org/download/file/28366/5545/nb-national-chung-hsing-university-professor-water-and-soil_doc/)



**Professor and Head, Department of Forestry, Wildlife, and Fisheries**

*Position open until filled!*

The University of Tennessee, Institute of Agriculture (UTIA), is seeking applications for the position of Professor and Head of the Department of Forestry, Wildlife, and Fisheries. This is a 12-month, tenured position located in Knoxville, Tennessee, USA.

Review of applications will begin 1 January 2019.

Details: [https://www.iufro.org/download/file/29905/5545/nb-utk-head-fwf\\_doc/](https://www.iufro.org/download/file/29905/5545/nb-utk-head-fwf_doc/)

**Professor of Logistics in Forest Value Chains**

*Apply by 13 January 2019!*

A position as full professor of forest operations specializing on logistics is open at the Department of Forest Biomaterials and Technology (SBT), Faculty of Forest Sciences, Swedish University of Agricultural Sciences (SLU), in Umeå, Sweden. Details: <https://www.slu.se/en/about-slu/jobs-vacancies/?mpage=job&rmjob=1492&rmlang=UK>

**Courses**

<https://www.iufro.org/discover/noticeboard/university-courses-summer-schools-and-webinars/>

**MSc European Forestry Programme**

*Apply by 31 January 2019!*

MSc European Forestry (MSc EF) is a top class taught Erasmus+ Erasmus Mundus Joint Master Degree Programme (EMJMD) in the field of forest sciences, run by six renowned European universities. The program is a two-year interdisciplinary program that provides academic education in the field of sustainable resource management with an emphasis on current bioeconomy issues. *Organizers:* University of Eastern Finland (UEF); University of Natural Resources and Life Sciences, Vienna, Austria; Freiburg University, Germany; Universitat de Lleida, Spain; Transilvania University of Brasov, Romania; AgroParisTech, Paris, France.

Details: <http://www.uef.fi/en/web/mdp-europeanforestry>

**Summer Undergrad Research in Costa Rica (NSF-REU) Apply by 18 January 2019!**

Texas A&M University is hosting a Research Experience for Undergraduates: *Ecohydrology of Tropical Montane Forests - Diversity in Science, Interdisciplinary Breadth, and Global Awareness*. The 10-week summer program (May 28- August 2, 2019) includes 5 weeks at the Texas A&M Soltis Center for Education and Research (Costa Rica) and 5 weeks on the campus of Texas A&M University (College Station, Texas, USA). Participant costs (stipend, travel, housing, etc.) are fully supported by the National Science Foundation.

Details: <https://costaricareu.tamu.edu/>

Contact: Georgianne W. Moore, gwmoore(at)tamu.edu

**IUFRO Meetings**

Search our online calendar for a full list of meetings:

<https://www.iufro.org/events/calendar/current/>

Find non-IUFRO meetings on the IUFRO Noticeboard:

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

Also search for forest-related events in GFIS at:

<https://www.gfis.net>

23-28 Jun 2019

**2019 IUFRO Tree Biotechnology Conference**

Raleigh, NC, United States

IUFRO [2.04.06](#)

Contact: Ross Whetten, ross\_whetten(at)ncsu.edu

Dario Grattapaglia, dario.grattapaglia(at)embrapa.br

<https://projects.ncsu.edu/mckimmon/cpe/opd/iufro/>

24-28 Jun 2019

**Transforming Approaches to Forests and Forestry through Indigenous and Local Knowledges - Reciprocity, Relationship-building, and Traditional Ecological Knowledge (TEK) in Forest Ecosystems**

Vancouver, BC, Canada

IUFRO [9.03.04](#), [9.03.05](#)

Contact: Janette Bulkan, Janette.bulkan(at)ubc.ca

[https://ubc.ca1.qualtrics.com/jfe/form/SV\\_6D4zplu8pBeGiWN](https://ubc.ca1.qualtrics.com/jfe/form/SV_6D4zplu8pBeGiWN)

22-26 Jul 2019

**2019 Joint Meeting of IUFRO Working Parties on Genetics and Breeding of 5-needle Pines (2.02.15) and Rusts of Forest Trees (7.02.05)**

Invermere, BC, Canada

IUFRO [2.02.15](#), [7.02.05](#)

Contact: Ward B. Strong (local organizer), ward.

strong(at)gov.bc.ca

Richard Snieszko, rsnieszko(at)fs.fed.us; Pascal Frey,

pascal.frey(at)inra.fr

<https://www.iufro.org/science/divisions/division-2/20000/20200/20215/>

29 Sep - 5 Oct 2019

**XXV IUFRO World Congress: Forest Research and Cooperation for Sustainable Development**

Curitiba, Brazil



Remember: **The deadline for submission of abstracts is 31 December 2018!**

IUFRO World Congress 2019: <http://iufro2019.com/>

**Other Meetings**

14-16 Mar 2019

**The Future of Forestry and Wood Sciences in the Changing World 100th Anniversary of University Forestry Education in Prague**

Prague, Czech Republic

Faculty of Forestry and Wood Sciences CULS Prague

Contact: 100anniversary(at)fld.czu.cz

<https://www.fld.czu.cz/en/r-9415-science-research/r-9537-conferences/r-14039-the-future-of-forestry-and-wood-sciences-in-the-changing-world>

10-11 Apr 2019

**ICF National Conference 2019: The UK's Role in Global Forestry**

Oxford, U.K.

<https://www.charteredforesters.org/event/icf-national-conference-global-forestry/>