

Kicking Off the Next Global Scientific Assessment on “Forests and Poverty”

Report by Andre Purret, GFEP Project Manager

Following the launch of the assessment on “Forests and Water” in 2018, the coordination team of the IUFRO-led Global Forest Experts Panels (GFEP) conducted background research on potential themes for the next global scientific assessment to be undertaken in 2019-2020. Based on the feedback from IUFRO officeholders, stakeholders, donors and members of the Collaborative Partnership on Forests (CPF), the GFEP team decided to propose the topic of “Forests and Poverty” as the thematic focus for the seventh global assessment.

According to the World Bank more than 780 million people live below the international poverty line of US\$1.90 a day. Around 75% of these poor people inhabit rural areas, in many cases regions of high forest cover. A number of studies conclude that poor and vulnerable populations tend to concentrate in environmentally fragile areas and rely disproportionately on natural resources and ecosystem services. At the same time scientific evidence shows that forests can support rural livelihoods, have a buffer function in maintaining livelihoods and represent a natural insurance.

A cross-sectoral, aligned and synergistic implementation of the 2030 Agenda for Sustainable Development and its 17 Goals (the SDGs) requires the development of measures that take into account the role of forests and trees in poverty alleviation. In this context, reliable and synthesized scientific information is needed to be able to use synergies and to achieve optimal trade-offs between poverty reduction and restoration, sustainable management and conservation of forests.



*Start of the Scoping Meeting of GFEP on Forests and Poverty.
Photo: Andre Purret, IUFRO*



Sawmill in Kigali Province, Rwanda. Photo: Janice Burns, IUFRO

It will be the task of the new GFEP Expert Panel on Forests and Poverty to carry out a global scientific assessment and to prepare a comprehensive peer-reviewed scientific report and associated policy brief on the topic in the second half of 2020. The assessment will contribute to the 2030 Agenda by highlighting the nexus between SDG 1 on “ending poverty” and SDG 15 on “life on land”, as well as relevant links to SDG 8 on “decent work and economic growth”, and SDG 10 on “reduced inequalities”. *More about the SDGs:* <https://www.un.org/sustainabledevelopment/>

As a first step towards the assessment, a Scoping Meeting was held on 23-24 May 2019 in Rome, Italy, kindly hosted by FAO. During the meeting participating scientists, CPF members 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, and endorsement of the Terms of Reference of the assessment by the CPF, the GFEP team will select the members of the Expert Panel, involving up to 30 internationally recognized scientists specialized in the topic. The next major milestone will be the 1st meeting of the Expert Panel on Forests and Poverty, to be held in late August 2019 in Ann Arbor, Michigan, USA.

Read more about the new GFEP on Forests and Poverty: <https://www.iufro.org/science/gfep/forests-and-poverty-panel/>

IUFRO at UNFF-14: Continued Contributions at the Science-Policy Interface

Report by Andre Purret, GFEP Project Manager

As the major international policy platform for forest- and tree-related issues, the United Nations Forum on Forests (UNFF) held its 14th session from 6–10 May 2019 at the UN Headquarters in New York, USA. This year's "technical session" focused on the implementation of the UN Strategic Plan for Forests 2017–2030 (UNSPF), taking into account the review cycle of the High-Level Political Forum on Sustainable Development (HLPF), and the theme of the 2019 International Day of Forests, "Forests and Education."

More than 300 participants from Member States, international organizations, the Collaborative Partnership on Forests, and Major Groups attended the session. The summary by IISD reporting services is available at: <https://enb.iisd.org/vol13/enb13215e.html>

IUFRO was well represented at UNFF-14 both in terms of numbers and appearances. The IUFRO delegation of seven persons was led by Vice-President John Parrotta (US Forest Service), supported by Andre Purret (GFEP). IUFRO successfully engaged in the discussions by delivering statements and showcasing the effective impacts of IUFRO's work at the science-policy interface.

Several IUFRO officeholders had been invited to take part in the thematic panel discussions. Elena Paoletti (IRET-CNR and SISEF, Italy), Coordinator of the IUFRO Task Force on [Climate Change and Forest Health](#), joined the thematic panel discussion on "Forests and Climate Change". Pia Katila (Luke, Finland), Coordinator of IUFRO's Special Project on [World Forests, Society and Environment](#), (IUFRO-WFSE), contributed to the UNFF-14 panel on "Forests, inclusive and sustainable economic growth and employment".

Mónica Gabay (Secretariat of Environment and Sustainable Development, Argentina), Coordinator of the IUFRO Working Party on [Community Forestry](#) and Mika Rekola (University of Helsinki, Finland), Coordinator of the IUFRO Research Group [Forest Education](#) and Deputy Coordinator of the [Joint IUFRO-IFSA Task Force on Forest Education](#), had been commissioned by the UNFF Secretariat to produce one of

the background studies for the session. The "*Background analytical study: Forests, peaceful and inclusive societies, reduced inequality, education, and inclusive institutions at all levels*" was posted on the UNFF-14 website as an official session document: <https://www.un.org/esa/forests/wp-content/uploads/2019/03/UNFF14-BkgdStudy-SDG4-10-16-March2019.pdf>

Both scientists were also asked to join the thematic panel on this topic. The key messages from the background study and related panel directly contributed to the UNFF-14 Chair's [Summary](#) to be submitted as official input from UNFF-14 to the UN High-Level Political Forum on Sustainable Development (HLPF 2019) in July 2019.

In addition to side meetings and bilateral discussions, IUFRO Vice-President Parrotta was invited to give a presentation at an IUCN-organized UNFF-14 side event on: "*Better coherence and coordination for the SDGs and the UNSFP – examples from forest landscape restoration efforts*".

IUFRO's active role in the Collaborative Partnership on Forests (CPF) by leading several CPF Joint Initiatives was also acknowledged. The CPF Chair, in his presentation to the UNFF-14 plenary, referred to the launch of the Global Forest Expert Panels (GFEP) [assessment report on Forests and Water](#) as one of the major accomplishments of the CPF in 2018. The next GFEP assessment on the topic of [Forests and Poverty](#) to be completed in autumn 2020, also raised great interest among UNFF member countries (see report on page 1).

In conclusion, IUFRO's participation in and contributions to UNFF-14 were successful as IUFRO lived up to its role of bringing scientific evidence to the attention of policy and decision-makers, thus enhancing the science-policy interface in the forest sector.

UNFF-14 panel on "Forests, inclusive and sustainable economic growth and employment"; with Pia Katila (second from left). Photo: Andre Purret, IUFRO



*IUFRO Vice-President John Parrotta, UNFF-14
Photo: Andre Purret, IUFRO*



Forest Education Needed in all Schools around the World

Blog story: <https://foresteducation.wordpress.com/2019/05/10/forest-education-needed-in-all-schools-around-the-world/>

The United Nations Forum on Forests (UNFF) held in New York from 6-10 May 2019 shined a spotlight on the topic of forest education. International organizations and member countries alike discussed the importance of strengthening forestry education, beginning from a young age in elementary level education up to university level and beyond. The relevance of forest education at schools is based on ensuring that the next generation understands the positive role forests can play in helping humanity combat some of our most profound challenges: contributing to mitigation and resilience efforts in the face of climate change, housing massive terrestrial biodiversity and positively contributing to food and water security, all of which are outlined in the UN's 2030 agenda and featured in their 17 Sustainable Development Goals.

Mika Rekola, representing the University of Helsinki and IUFRO, was featured on a panel discussion where he presented his background paper co-authored by Mónica Gabay. The paper highlighted three key messages:

Educators need help on the "What" and "How" of Forests: This support can be supplied together with forest professionals and education start-ups. There is need to provide updated content and engaging methods of delivery to provide teachers with the tools to engage students at all levels, while teachers themselves are also in need of trainings on key subject areas.

Forest sector cooperation is a key for intervention: The forest sector is small, consisting of less than one percent of the work force and production in most countries. Therefore, to reach all levels of education and schools all around the world will be reliant on aligning its efforts. It will only be possible through enhanced collaborative efforts and partnerships at all levels.

Forest Responses to Climate Change: Why African Forests Matter Session at R20 Austrian World Summit co-organized by IUFRO

Report by Alexander Buck, IUFRO Executive Director

"Act now" was the key message of this year's climate conference on 28-29 May in Vienna, Austria. 150 speakers from 30 countries took part in the third R20 AUSTRIAN WORLD SUMMIT – including initiator Arnold Schwarzenegger, young climate activist Greta Thunberg and UN Secretary-General António Guterres. In addition to the main conference and the "Climate Kirtag" with its colorful entertainment program under the motto "Five Continents", a series of breakout sessions was organized at various locations in Vienna and Graz, with in-depth panel discussions on main topics. More at: <https://www.austrianworldsummit.com/event/pressroom>



Panel discussion with Mika Rekola (center) and Mónica Gabay (right) at UNFF-14. Photo: Andre Purreit, IUFRO

Research and development of forest education itself is paramount: Forests are a dynamic resource with long time horizons, which need to adapt to the needs of the economy and society. Continuous research and updating of educational curricula is paramount and could provide new insights to practical teaching methods. Research has, for instance, shown that engaging in outdoor-based forest and nature education can extend the positive effect on children's learning of other various subjects, such as math. Research and development of forest education also needs to include typical networking and knowledge-sharing institutions, especially through forums such as international congresses on education and publishing opportunities in peer reviewed scientific journal(s).

Further information:

Mika Rekola, [mika.rekola\(at\)helsinki.fi](mailto:mika.rekola(at)helsinki.fi)
<https://www.un.org/esa/forests/wp-content/uploads/2019/05/UNFF14-brief-Forests-SDGs4-10-16.pdf>

One of these breakout sessions focused specifically on **Forests under Climate Change – Knowledge Exchange between Austria and Africa**. The event was organized jointly by the Austrian Federal Ministry for Sustainability and Tourism (BMNT), the Austrian Federal Ministry of Education, Science and Research (BMBWF), and the International Union of Forest Research Organizations (IUFRO), and took place on 29 May at the University of Vienna. Three keynote speakers from Africa-based research institutions - Emma Archer van Garderen, University of Pretoria, South Africa; Ramni Jamnadass, Co-Leader, Tree Productivity and Diversity, World Agroforestry Center (ICRAF), Kenya; and Wubalem Tadesse, Senior Scientist at the Ethiopian Environment and Forest Research Institute (EEFRI), talked with Austrian representatives from government and research about the opportunities and challenges for people and the environment related to forests, trees and forest products in the face of climate change, and about collaboration with Austrian partners.

The following main points resulted from the discussion:

- Temperatures in all African countries are rising faster than the global rate; this warming is very likely to persist for centuries to millennia and will continue to cause further long-term changes in the climate system, with associated impacts on forests and other terrestrial ecosystems.
- Global warming is adding to a range of other non-climate-related pressures on forest ecosystems in Africa, such as population pressure, overexploitation of forest resources, and the increasing need for agricultural land. Africa is also one of the most rapidly urbanizing continents.
- These drivers put immense pressure on the continent's biodiversity and nature's contributions to people and will increase overall under all plausible future scenarios;
- Yet, options exist to increase the sequestration and storage of carbon dioxide from the atmosphere, and to reduce the vulnerability of forests and people. Such measures include forest landscape restoration and rehabilitation, as agreed under the Bonn Challenge and related regional initiatives, and strategic investments to protect and mobilize sufficient, diverse and high-quality tree seeds and planting materials.
- Such measures must be based on the best available scientific evidence and must be supported by effective governance frameworks that are sensitive to community needs and provide for the equitable sharing of benefits and responsibilities.
- For science to have the desired impact on policy and practice, however, there is a clear need to increase investment into Research & Development on the African continent, and to build more sustainable scientific and educational institutions, including those aimed at training practitioners.
- International collaboration should be guided by the principle to conduct research not on Africa, but together with Africa. The portfolio of existing and planned new programs and initiatives for cooperation and networking



Speakers, panelists and moderator of R20 breakout session.
Photo: William Tadros, BMNT



Photo: William Tadros, BMNT

between Austria and African countries, including through IUFRO, support this approach and have potential to accelerate the impact on the fight against climate change.

Find more information about the session:

<https://www.iufro.org/events/other-major-events/r20-austrian-world-summit-2019/>

Forests for Public Health

By Christos Th. Gallis, Deputy Coordinator of IUFRO
[Research Group 6.06.00 - Forest, trees and human health and wellbeing](#)

Urbanization and modern lifestyle changes have diminished possibilities for human contact with nature in many societies. At the same time, many societies today face increasing incidence of poor physical and mental health associated with chronic stress, insufficient physical activity and exposure to anthropogenic environmental hazards that cannot be addressed by medicine and technology alone.

Forests, urban forests and other green spaces may be incorporated into public health systems and policies to promote mental and physical health and reduce morbidity and mortality in residents by supporting relaxation and stress alleviation, stimulating social cohesion, encouraging

physical activity, and reducing exposure to air pollutants, noise and excessive heat.

Human health and wellbeing are vital socio-political and public health issues today and in the future. They crucially define our lives. Forests, urban forests, and green spaces can have a significant influence on the health and wellbeing of many people. We might look at them as a kind of health insurance.

The "World Conference Forests for Public Health" held on 8-11 May, 2019 at the Athens War Museum, Greece, aimed to bring together renowned scientists from different countries and disciplines to present research and state-of-the-art knowledge and theories on two major issues:

- the significance of the role of forests and green spaces in improving the health and wellbeing of a population;
- challenges faced by the urban and landscape planning fields in designing green infrastructure that benefits physical activities both in urban space and in forest/nature

The following focal areas were discussed at the conference:

- Forest medicine for public health
- Mental health benefits of exposure to nature
- Planning physical activities and human recreation in forest/natural environment for public health
- Urban forests and their ecosystem services for public health
- Urban forestry and green spaces planning and design for human activity
- Forest therapy, health policies, practices, economics and culture of forests for public health
- Green care on public landscapes for public health



Official conference photo:
ARTION Conference Management

World Conference on Forests for Public Health,
8-11 May 2019, Athens, Greece

The conference, which attracted 150 participants from 26 countries, was organized and hosted by the Forest Research Institute of Greece in collaboration with the National Institute of Forest Science (NIFoS), Republic of Korea and involved the IUFRO Research Group on Forest, trees and human health and wellbeing: <https://www.iufro.org/science/divisions/division-6/60000/60600/>

The conference, which was sponsored by the National Institute of Forest Science (NIFoS), the Greek National Center for the Environment and Sustainable Development, and the Geotechnical Chamber of Greece, was held under the auspices of H.E. the President of the Hellenic Republic

Mr. Prokopios Pavlopoulos.

A Conference Abstracts Book will be printed and abstracts will also be published in the CABI abstracts database. A book under the draft title of "Forests for Public Health" is under preparation and shall be published by Cambridge Scholars Publishing in the year 2020. The "World Conference Forests for Public Health" established as a global scientific event shall be repeated every other year in different countries.

Meeting website: <https://fph2019.org/>

4th World Congress on Agroforestry

Report by Swoyambhu Man Amatyia,
Coordinator of IUFRO [Research Group 1.04.00 Agroforestry](#)

The 4th World Congress on Agroforestry was held in Le Corum Conference Center, Montpellier, France from May 20-23, 2019 under the theme of "Strengthening links between science, society and policy". It was hosted by the French Agricultural Research Center for International Development (CIRAD) and the French National Institute for Agricultural Research (INRA). This Congress was the follow up of the previous one held in New Delhi, India in the year 2014, and attracted more than 1200 participants from all over the world.
Visit: <https://agroforestry2019.cirad.fr/>

Over 300 presentations and over 600 posters presented the latest research on the power of mixing trees and crops in agriculture. Adding trees to crop fields and pastures delivers on biodiversity, while maintaining or enhancing food security and nutrition. In addition, it often leads to increased farm profitability and helps mitigate and adapt to climate change, while optimizing water management and restoring soils. The Congress therefore calls upon



Photo:
Swoyambhu
Man Amatyia

decision-makers, both public and private, to ensure transformative change in governance, education and finance to speed up the adoption of agroforestry systems. More at: <https://agroforestry2019.cirad.fr/news-press>

The overall objective of the Congress was to contribute to strengthening agroforestry science and practice in order to provide opportunities for strengthening links between science, society and policy and to bridge the science-policy gap. The main themes of the Congress were: agroforestry and climate change; agroforestry, food security and nutrition; and the adoption of agroforestry and agroforestry policies.

The 4th World Agroforestry Congress contributed to bridging the gap between agroforestry science and its practical implementation, especially for food security, biodiversity conservation, and mitigating the effect of climate change throughout the world. One of the highlights of the Congress was the launch of the International Union of Agroforestry (IUAF), the first global association devoted to furthering the cause of agroforestry.
<https://www.worldagroforestry.org/event/launch-international-union-agroforestry-iuaf>

Challenges and Opportunities for Updating Wood Identification

Report by Yafang Yin, Deputy Coordinator, IUFRO [Research Group 5.06.00 Properties and utilization of plantation wood](#)

On May 20-22, 2019 the IAWA (International Association of Wood Anatomists)-IUFRO International Symposium on 'Updating Wood Identification' took place in Beijing, China. The symposium, which was co-organized by the Research Institute of Wood Industry (CRIWI), Chinese Academy of Forestry (CAF) and the US Forest Products Laboratory (FPL), was very successful. There were 4 invited keynote lectures, 25 oral presentations spread over 6 technical sessions, and poster presentations. From the 90 participants from 11 countries registered for the meeting 60 participants were from China.

Wiemann from the US Forest Products Laboratory gave an introduction on "Wood Anatomy Research of the USDA Forest Products Laboratory", and Yafang Yin from the Research Institute of Wood Industry, Chinese Academy of Forestry, presented a keynote address on "The challenge of wood identification in China: from traditional anatomy to new auxiliary methods", introducing different cutting-edge wood identification techniques including genetic, computer vision and chemical analysis.

Oral presentations and posters focused on recent advances on wood image analysis and database establishment, DNA



Photo: Xiang Weng, Research Institute of Wood Industry of Chinese Academy of Forestry

Gerald Koch from Thünen Institute of Wood Research, Germany, gave a keynote lecture on "Wood anatomy - The role of macroscopic and microscopic wood identification to combat illegal logging and trading" and introduced interesting wood identification databases called "macroHOLZdata" and "CITESwoodID". Soon Leong Lee from the Forest Research Institute Malaysia delivered a keynote lecture on "Application of DNA forensic technology developed by the Forest Research Institute Malaysia (FRIM) for timber tracking" from case studies. Michael

barcoding techniques, chemical fingerprint techniques as well as policy implementation. The symposium also included discussions on combatting illegal logging highlighting new techniques of wood identification and global timber tracking techniques.

Book of Abstracts: IAWA-IUFRO International Symposium for Updating Wood Identification
<https://www.iufro.org/publications/proceedings/proceedings-meetings-2019/#c28375>

Harmonized Growth, Cleaner Environment and Sustainable Forests

Report by Alessandra De Marco, ENEA, Italy, Coordinator of IUFRO [Working Party 7.01.05 – Modelling and risk assessment](#)

The biennial conference of IUFRO Research Group 7.01.00 Impacts of air pollution and climate change on forest ecosystems was held in Nanning, China, 13-17 May 2019, at the Guangxi Forestry Research Institute. The meeting gathered 48 participants from 9 countries, with most participants coming from China. *Meeting website:*
<http://iufro-nanning2019.csp.escience.cn/dct/page/1>

In a total of 29 oral presentations the state of knowledge in the field was shared and scientific gaps in the understanding of the effects of air pollution and/or climate change were discussed. The presentations were spread over the following 8 sessions:

- Balanced energy production, economic growth and environmental quality in Southeast Asia compared to other areas

- Forest health and biodiversity with special focus on Asia
- Reactive nitrogen: cascade past, present and future
- Impacts of air quality on forest health in the wild land-urban interface
- Ecophysiological understanding of air pollution and climate change impacts on natural and planted forests
- Modeling complex abiotic and biotic interactions in forests and other ecosystems
- Planted forests and eco-environment under pollution and climate change
- Forests and ecosystem service under a changing environment

In her welcome address Alessandra De Marco, ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), introduced the

participants to the work of IUFRO Research Group 7.01.00 and summarized the main objectives of the Group. <https://www.iufro.org/science/divisions/division-7/70000/70100/>



Photo: Pierre Sicard, Coordinator of IUFRO Working Party 7.01.09 – Ground level-ozone

One of the invited speeches focused on "Effects of Ozone Pollution on Chinese Woody Plants: an Overview" and was presented by Zhaozhong Feng from Nanjing University of Information Science & Technology. He reviewed effects of elevated ozone on tree species in China based on the results obtained in the last two decades. In particular, Professor Feng stressed that future research should concentrate on the effects of elevated ozone on the below-ground ecosystem, as well as on the development of a general ozone flux model for most widely used tree species and an assessment of ozone removal by urban forestry on regional and national levels.

New approaches were presented in different fields such as the use of vegetation in urban environment to reduce the concentrations of air pollutants, the impacts of climate change on carbon sequestration, or the impacts of air pollution on forests ecosystems and human health. During the conference three young scientists received awards for best posters.

At the World Congress in Curitiba the Research Group will be involved in the following sessions:

- E8a Forest Management Practices and the Responses of Soil Carbon, Water, Nutrients and Their Interactions
- B2b Abiotic stressors and their interactive impacts on forests
- B7a Monitoring and modeling of forest health in a changing world
- B7b Physiological and biogeochemical response of forest ecosystems to climate change and air pollution

The next biennial RG 7.01.00 meeting will be held in Paphos, Cyprus, back to back with the 3rd "Ozone and Plants" conference and 4th CAPERMED meeting, from 4-8 May, 2020.

Meeting website: <http://www.ozoneandplants2020.com/>

Diseases of Forest Trees and their Increasing Impacts Globally

By Alberto Santini, Coordinator of IUFRO Working Party 7.02.03 Vascular wilt diseases

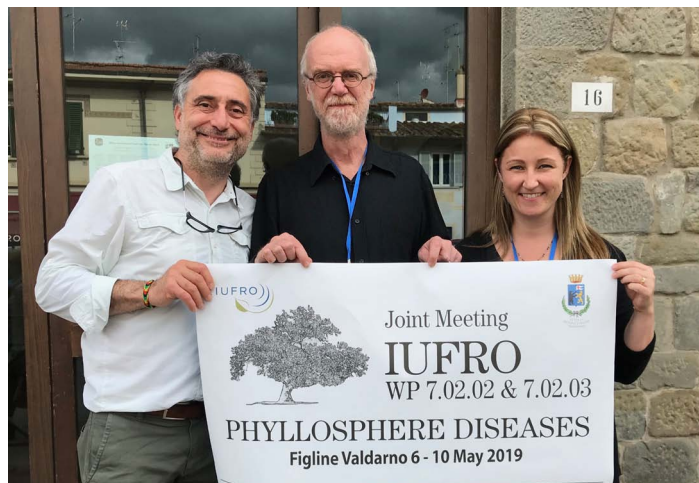
The joint meeting of the IUFRO Working Parties on Shoot, foliage and stem diseases and on Wilt diseases (7.02.02 and 7.02.03) on "Phyllosphere Diseases" from 6-10 May, 2019 in Figline Valdarno (Florence) Italy, was attended by 67 participants from 25 countries. Meeting website: <https://phyllospherediseases.wixsite.com/conference2019>

The spectrum of diseases addressed by the two Working Parties has become quite diversified to include foliage and stem diseases of conifer and hardwood species as well as new vascular wilt diseases of forest trees, which have had severe impacts globally and have been increasing in recent years. Therefore, the list of diseases addressed at this joint Working Party meeting was long.

The leaf and shoot diseases that were discussed at the meeting included: *Teratosphaeria*; *Dothistroma* needle blight; Ash dieback; *Phytophthora*s; Swiss Needle Cast; Chestnut blight. Among the cankers and shoot blight of conifers discussed were: Cypress Canker Disease; *Caliciopsis* canker and *Gremmeniella* canker; *Diplodia sapinea* shoot blight; Pitch canker; Acute Oak Decline; Emerging diseases caused by *Ceratocystis* spp.; Canker stain disease of Plane tree; *Verticillium* sp.; and Dutch Elm Disease.

Two main issues emerged from the presentations:

- i) the continuous arrivals of new alien pathogens and the challenge to stop them before their establishment and spread; and
- ii) climate change modifying part of the environmental conditions and allowing some native pathogens such as *Diplodia sapinea* and *Dothistroma* spp. to emerge, or create favorable conditions for the establishment of newly introduced species.



IUFRO WP 7.02.03 coordination team (from left): Alberto Santini (Italy), Irene Barnes (South Africa) and Louis Bernier (Canada)

The next 7.02.02 meeting will take place in New Hampshire in 2021, hosted by Isabel Munk and Jeff Garnas. WP 7.02.03 is looking into the possibility of a joint meeting with other Working Parties, e.g. with 7.03.11 or 7.03.12.

Happy Birthday!

IUFRO Honorary Member **Heinz Schmutzenhofer**, IUFRO's Secretary and then Executive Secretary between 1988 and 2003, celebrated his 80th birthday on 16 May 2019. The IUFRO Headquarters team was happy to congratulate him personally, convey their best wishes, and revive happy memories together. We are looking forward to seeing him and his wife Edith again soon!



Heinz Schmutzenhofer and his wife with members of the IUFRO Headquarters team. Photo: IUFRO

Congratulations!

IUFRO President **Mike Wingfield**, Professor at the University of Pretoria (UP), has acted as an advisor or supervisor to an impressive 101 PhD graduates, as of April 2019. "We learn from students as much as they learn from us," he said. Read more: https://www.up.ac.za/news/post_2810462-we-learn-from-students-as-much-as-they-learn-from-us-up-prof-on-his-101-phd-graduates

Also, the Forestry and Agricultural Biotechnology Institute (FABI) at UP is now home to the Mike Wingfield Library, a collection of more than 1300 books donated to the FABI Archive by Profs Mike and Brenda Wingfield!
<https://fabinet.up.ac.za/index.php/news-item?id=840>

IUFRO Noticeboard

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Publications

Latest IUFRO Spotlights

Congress Spotlight #67 - Tapping the potential of restoring disturbed tropical forests

Will active restoration of Secondary and Degraded Forests (SDFs) help to address sustainably the gap between wood demand and supply? Attend this IUFRO 2019 Congress Session to find answers!

<https://www.iufro.org/media/iufro-spotlights/tapping-the-potential-of-restoring-disturbed-tropical-forests/>

Spotlight #66 - A forest mix may best address global change

Managing a mixed forest in the context of environmental and social change is the focus of a recent publication put together by members of IUFRO [Research Group 1.09.00](#) Ecology and management of mixed forests.

<https://www.iufro.org/media/iufro-spotlights/iufro-spotlight-66/>

Congress Spotlight #65 - Tying up loose ends in gender equality in forestry

"In recent years gender equality in forestry has received a lot of attention – or lip service, anyway – but that's not good enough. There exist a lot of loose ends at the practice and at the policy level," said Dr. Purabi Bose, author, social environmental scientist, filmmaker and deputy coordinator of the IUFRO Gender and Forestry Research Group.

<https://www.iufro.org/media/iufro-spotlights/iufro-spotlight-65/>

Other Publications

Call for Papers

Learning Sustainability: Earth, Experience, Ethics

Article collection (Special issue) of *Sustainable Earth*, Springer, Nature

<https://e41-jrnl.weebly.com/cfp-se-long.html>

On the Complex Roles Bark Beetles Play in European Forests

Hlásny, T., Krokene, P., Liebhold, A., Montagné-Huck, C., Müller, J., Qin, H., Raffa, K., Schelhaas, M.-J., Seidl, R., Svoboda, M., Viiri, H. 2019. Living with bark beetles: impacts, outlook and management options. From Science to Policy 8. European Forest Institute.

Author Andrew Liebhold is also Deputy Coordinator of IUFRO Division 7.00.00 - Forest Health.

<https://www.iufro.org/science/divisions/division-7/70000/>

Cryptic Risks to Forest Biosecurity Associated with the Global Movement of Commercial Seed

Michelle Cleary, Funda Oskay, Hatice Tugba Doğmuş, Asko Lehtijärvi, Stephen Woodward, and Anna Maria Vettraino *Forests* 2019, 10(5), 459;

<https://doi.org/10.3390/f10050459>

Authors Michelle Cleary and Hatice Tugba Doğmuş are also Deputy Coordinators of IUFRO Working Party 7.02.02 - Foliage, shoot and stem diseases.

<https://www.iufro.org/science/divisions/division-7/70000/70200/70202/>

Agroforestry for Sustainable Agriculture

Edited by María Rosa Mosquera-Losada and Ravi Prabhu, ISBN-13: 9781786762207

The book's main focus is on temperate agroforestry, but also reviews particular issues in the tropics.

<https://shop.bdspublishing.com/store/bds/detail/workgroup/3-190-72732>

22nd European Forum on Urban Forestry - Urban Forests: Full of Energy

Cologne, Germany; 22-25 May 2019: Book of Abstracts
<https://drive.google.com/file/d/1I9LLbL3srWq3wiSeBOWx4txrF9kxxnez/view>

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>

29 Sep – 5 Oct 2019

XXV IUFRO World Congress

Curitiba, Brazil

The Congress will be held at EXPO UNIMED CURITIBA, one of the most modern for events in Latin America!

Expo Unimed Curitiba is a large structure located inside Positivo University, 15 minutes from the city center and 25 minutes from Afonso Pena International Airport (along the southern border).

About Expo Unimed and how to get there, click here:

<http://iufro2019.com/transport-and-transferred/>

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Find out more about this and other tours at:

<http://iufro2019.com/post-congress-tours/>



TECHNICAL VISIT TO THE PANTANAL BIOME

VISITA TÉCNICA AL BIOMA PANTANAL
VISITA TÉCNICA AO BIOMA PANTANAL

TOUR | TECHNICAL AND CULTURAL EXPERIENCES
EXPERIENCIAS TÉCNICAS Y CULTURALES | EXPERIÊNCIAS TÉCNICAS E CULTURAIS



14-16 Oct 2019

The IUFRO Seed Orchard conference 2019 - Seed Orchards and Climate Change

Nanjing, China

IUFRO Units involved: [2.09.01](#), [2.09.03](#), [2.04.02](#), [2.02.23](#), [2.02.07](#)

Contact: Ji-Sen Shi, jshi@njfu.edu.cn; Li-Ming Bian, lbmian@njfu.edu.cn

<https://www.iufro.org/science/divisions/division-2/20000/20900/20901/activities/>

12-13 Nov 2019

Linkage of Higher Education, Research and International Integration to Sustainable Forest Resources Management and Bioeconomics

Ha Noi, Vietnam

IUFRO [5.05.00](#)

Contact: Lê Xuân Phương, phuonglx@vnuf.edu.vn

<https://www.iufro.org/science/divisions/division-5/50000/50500/activities/>

3-4 Dec 2019

Climate Change and New Challenges in the Production of High-Quality and Well Adapted Forest Reproductive Material. 60th Anniversary of Forest Seed Science and Technology in Croatia

Jastrebarsko, Croatia

IUFRO [2.00.00](#)

Contact: Santiago C. González-Martínez, santiago.c.gonzalez.martinez@gmail.com

<http://www.sumins.hr/sjemenarstvo60/?lang=en>

24-27 Aug 2020

4th World Teak Conference 2020

Accra, Ghana

IUFRO [5.06.02](#)

Contact: P. K. Thulasidas, thulasidas@kfri.org

<https://www.iufro.org/science/divisions/division-5/50000/50600/50602/activities/>

21-25 Oct 2020

7th IUFRO International Workshop on the Genetics of Tree-Parasite Interactions in Forestry: Understanding Forest Tree-antagonistic Interactions in a Changing World

Pontevedra, Galicia, Spain

IUFRO [2.02.15](#), [7.03.11](#)

Contact: Richard A. Sniezko, richard.sniezko@usda.gov

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

Other Meetings

4-8 Nov 2019

5th European Forest Week: Forests and the Circular Economy

Geneva, Switzerland

Jointly organized by UNECE and FAO, to be celebrated throughout Europe

<https://www.unece.org/forests/foret2019.html>

23-28 Feb 2020

World Biodiversity Forum

Davos, Switzerland

Organized by bioDISCOVERY, and the University of Zurich Research Priority Programme Global Change and Biodiversity

<https://www.worldbiodiversityforum.org/>

24-27 Aug 2020

World Conference on Timber Engineering 2020 (WCTE 2020)

Santiago, Chile

Organized by UC Timber Innovation Center (Centro UC en Innovación en Madera) and Madera21

Contact: contact@wcte2020.com

<http://wcte2020.com/>