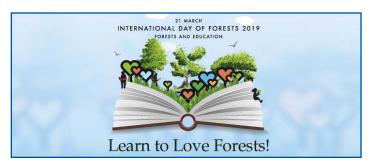
21 March International Day of Forests - Forests and Education



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. The 2019 motto of the day is "Forests and Education". Find out what is going on to mark the day: http://www.fao.org/international-day-of-forests/en/

Investing in forestry education can change the world for the better!

This is one of the key messages of the IDF 2019. By investing in forestry education at all levels, countries can help ensure there are scientists, policy makers, foresters and local communities working to halt deforestation and restore degraded landscapes. In turn, healthy forests will help us to achieve many of the Sustainable Development Goals, for example by supporting the livelihoods of some of the world's poorest communities and conserving biodiversity.

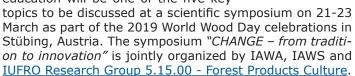
Watch International Day of Forests 2019 Video!

WOOD IS GOOD

English: https://youtu.be/Mt8N-sZPVuk

Forest Education and Science at 2019 World Wood Day Symposium

According to the motto of this year's International Day of Forests, forest education will be one of the five key



Sandra Rodríguez-Pineros from the Universidad Autónoma de Chihuahua, Mexico, and Coordinator of the <u>Joint IUFRO-IFSA Task Force on Forest Education</u>, will deliver a keynote speech on "Education – an essential tool for forest sustainability and wood utilization". Other symposium topics are proper tree species identification and illegal timber use, wooden buildings, wood-based musical instruments, and non-wood products.

World Wood Day is an annual event to celebrate the importance of wood, demonstrate the beauty of wood, and share the knowledge about wood. This year's celebrations

will take place under the motto "CHANGE". A variety of programs such as woodcraft activities, folk art workshops and events for children will be organized for the public with free admission. The 2019 WWD event in Austria is jointly organized by the World Wood Day Foundation (WWDF) and the International Wood Culture Society (IWCS). The event will bring more than 500 participants from over 90 countries and regions from around the world to the Austrian Open Air Stübing and Graz.

WWD 2019 Symposium: http://www.worldwoodday.org/2019/home
WWD 2019: http://www.worldwoodday.org/2019/home

Winners of the <u>Global Competition on Best Practices in Forest Education</u> (organized by IUFRO, IFSA, University of Helsinki with HY+, in cooperation with UNFAO) will be announced on 21 March 2019! **See top ten:** https://www.iufro.org/science/task-forces/forest-education/outstanding-practices-forest-education/

UN Decade on Ecosystem Restoration Declared Restoration of sloping agriculture

IUFRO welcomes the UN General Assembly's declaring 2021–2030 the UN Decade on Ecosystem Restoration. As an active member of the Global Partnership on Forest and Landscape Restoration, we would like to draw your attention to this joint UN Environment & FAO release: http://www.forestlandscaperestoration.org/un-decade-ecosystem-restoration-declared

land in Rwanda.

Photo: Michael Kleine, IUFRO

The UN Decade on Ecosystem Restoration, de-

clared on March 1st by the UN General Assembly, aims to massively scale up the restoration of degraded and destroyed ecosystems as a proven measure to fight the climate crisis and enhance food security, water supply and biodiversity.

The Decade, a global call to action, will draw together political support, scientific research and financial muscle to massively scale up restoration from successful pilot initiatives to areas of millions of hectares.

Forest and landscape restoration (FLR) has been a key activity of IUFRO-SPDC's thematic networking activities for several years now. Learn more about our FLR projects, publications and capacity building workshops: https://www.iufro.org/science/special/spdc/netw/flr/



XXV IUFRO World Congress News

31 May 2019 - Registration deadline for early-bird registrations and presenting authors!

Keep up to date:

http://www.iufro2019.com/

Follow @iufro2019 on Twitter! Like IUFRO2019 on Facebook!

Add #iufro2019 to your social media postings!

Application for IUFRO-SPDC's Scientist Assistance Programme (SAP) open until end of April!

SAP aims at providing support to forest scientists from economically disadvantaged countries and will provide assistance to a limited number of scientists for participation in the XXV IUFRO World Congress. Application deadline is 30 April 2019, 23:59 Hawaiian time.

Please find out more at:

https://www.iufro.org/science/special/spdc/sap/sap-cong19/

IUFRO-SPDC Pre-Congress Workshops

IUFRO-SPDC will hold the following Pre-Congress Workshops on 26 - 28 September 2019 in Curitiba:

- (I) Forest Research Methods;
- (II) Systematic Reviews in Forest Science;
- (III) Implementing Forest Landscape Restoration in Africa and Asia; and
- (IV) Implementing Forest Landscape Restoration in Latin America / La Práctica de la Restauración de Paisajes Forestales

Four workshops will take place in parallel sessions. Workshops I, II and II will be in English while Workshop IV will be conducted in Spanish. Each workshop is led by a senior scientist from the IUFRO network specialized in the respective workshop theme. One or more resource persons will contribute their expertise on specific topics and case studies from various regions in the world. Learn more about the workshops:

https://www.iufro.org/science/special/spdc/tw/iwc19tws/

IUFRO Awards 2019

The XXV IUFRO World Congress, to be held on 29 September - 5 October 2019 in Curitiba, Brazil, will be an opportunity to honor outstanding scientific achievements and contributions to forestry with a range of IUFRO Awards. The awardees have already been selected and notified. It is a great pleasure for us to congratulate them already and publish their names here:

Scientific Achievement Award (SAA)

From a total of 22 nominations submitted, the following 10 persons will be presented the SAA at the Opening Ceremony of the Congress:

Ms Ellen Macdonald, Canada

Mr José de Moraes Goncalves, Brazil

Ms Maria Nijnik, Scotland/Netherlands

Mr David J. Nowak, USA

Ms Elena Paoletti, Italy

Ms Marielos Peňa-Claros, Bolivia/Netherlands

Mr Terry Sunderland, Canada/UK

Ms Margarida Tome, Portugal



Photo by Sandra Luque (IUFRO)

Mr Daowei Zhang, USA/China Mr Junyong Zhu, USA/China

Outstanding Doctoral Research Award (ODRA)

From a total of 23 nominations submitted, the following 9 persons will be presented the ODRA in a special subplenary session:

Ms Angela Luciana de Avila, Brazil/Germany

Ms Verónica Loewe Munoz, Chile

Mr René Zamora-Cristales, USA

Ms Andrea Hevia Cabal, Spain

Mr Lichao Jiao, China

Ms Ida Karin Wallin, Germany

Mr Zhen Yu, China/USA

Mr Ruben Valbuena, UK

Ms Sarah L. Burns, Argentina

IUFRO Student Award for Excellence in Forest Sciences (ISA)

From a total of 10 nominations submitted, the following 6 persons will be presented the ISA in a special sub-plenary session:

Mr Shankar Adhikari, Nepal

Ms Katharina Albrich, Austria

Mr Shourav Dutta, Bangladesh

Ms N.A. Raharivoloniaina, Madagascar

Ms Andrea Vasquez-Fernandez, Canada/Peru

Mr Khalil Walji, Italy

In summer 2019 a special issue of IUFRO News will be dedicated to introducing the awardees in greater detail. Find out more about the individual awards here: https://www.iufro.org/discover/awards/





Innovations in Forest Industry and Engineering Design

Report by Desislava Angelova, Faculty of Forest Industry, University of Forestry, Sofia, Bulgaria

Regular conferences on "Innovations in Forest Industry and Engineering Design" have been held since 2008. The 2018 edition of the INNO conference was the 9th in this series. It took place from 27-29 September in Sofia, Bulgaria, and attracted 58 participants from Turkey, Greece, Romania, Croatia, Slovakia, Serbia, Macedonia and Bulgaria. The conference, which was co-sponsored by IUFRO Division 5 Forest Products, was organized by the Faculty of Forest Industry of the University of Forestry in Sofia, Bulgaria. *Meeting website:* http://inno.ltu.bg

During the two-day event discussions focused on all important and new aspects in the fields of wood technology, processing industry and engineering design. Main topics included:

- Raw Materials for the Wood Industry
- Woodworking Machines and Equipment;
- Technologies in Logging, Woodworking and Furniture Production:
- Interior and Furniture Design Materials, Constructions, Systems and Mechanisms in the Interior Design;
- Economics, Organization and Management;
- Natural Sciences in Support of Forest Industry and Engineering Design;
- Innovations in the Education Process.



The conference stressed the importance of cooperation between countries, academic and educational institutions and enterprises from the forest industry. Participants advocated the creation of multinational networks for continuous innovation, research and development in the field of forestry, not only to stimulate technological innovations in the forest industry sector, but also to provide the necessary framework conditions for increasing competitiveness.

An electronic Book of Proceedings was published in 2018. Selected papers will also be published in the Scientific Journal Innovation in Forest Industry and Engineering Design issued by the Faculty of Forest Industry, University of Forestry – Sofia, Bulgaria. All articles have also been published on-line and can be downloaded from the Journal's website: http://scjournal-inno.com/

Uneven-aged Silviculture: Challenges for Increasing Adaptability

On 12-18 November 2018, the IUFRO Research Group on Uneven-aged Silviculture (RG 1.05.00) held the "11th IUFRO Workshop on Uneven-aged Silviculture: challenges for increasing adaptability" in Valdivia, Chile. The workshop, which was divided into five main sessions, gathered participants from 20 countries.

Uneven-aged silviculture is the intentional management of forest stands to include multiple age classes of trees. It is increasingly seen as a viable alternative to even-aged systems worldwide as it can offer advantages such as better carbon sequestration, higher biodiversity, greater heterogeneity of forests and landscapes, and, hence, more goods and services from forest ecosystems. The Unevenaged Silviculture Research Group of IUFRO facilitates interaction among researchers studying the dynamics and management of uneven-aged forests and researchers working on related natural resource problems.

In an article about the event published by "Australvaldivia. Campo Sureño" on 19 November 2018, IUFRO Research Group Coordinator Gary Kerr of the UK Forestry Commission underlined the importance of generating and communicating scientific knowledge to support better policy making. In the same article, Pablo Donoso from the Faculty of Forest Sciences and Natural Resources of the Universidad Austral de Chile and chair of the workshop organizing committee pointed out advantages of uneven-



aged silviculture such as a continuous forest cover, mixed forests and higher forest resilience. He also explained that normally uneven-aged forests store more carbon than even-aged ones, because a continuous forest cover is maintained.

The carbon storage of even-aged forests is higher towards the end of the rotation cycle, but throughout the entire cycle the quantity of stored carbon falls below that of uneven-aged forests. Also, uneven-aged forests with their mix of species and their multiple layers are richer in biodiversity. The main advantage in his view, however, is the landscape aspect, because a continuous forest cover is usually more appreciated by people than clear cuts and short rotation cycles. Read the article in Spanish here: http://www.australvaldivia.cl/impresa/2018/11/19/full/campo-sureno/10/



IUFRO - EFI Young Scientists Initiative 2019

The IUFRO-EFI Young Scientists Initiative is now fully underway as the ten young scientists selected for the 2019 round are preparing for their short scientific visits to their respective host institutions.

IUFRO and EFI are proud to run this initiative with financial assistance from the Federal Ministry of Food and Agriculture, Germany.



IUFRO Executive Director Alexander Buck and EFI Director Marc Palahi signing the 2019 YSI contract. Photo: Daniel Boehnke (IUFRO)

We would like to wish our young scientists a productive and fruitful journey of scientific and self-discovery and look forward to the continuation of this initiative for many years to come.

Visit https://www.iufro.org/science/special/spdc/ysi/ for details on the young scientists and their projects, as well as progress updates.

University Programs/Courses

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

International Master Study Program: Global Change Management (M.Sc.)

Apply by 1st May (international students / 15th July 2019 (German Students)!

Students who graduated or will graduate in summer 2019 as (at least) a Bachelor may apply at Eberswalde University for Sustainable Development, Germany, to be one of the 25 participants admitted for the two-year study programme Global Change Management (M.Sc.).

Classes will begin on 23rd of September 2019.

For all information on the application procedure, please write to: Ms. Astrid Schilling, Astrid.Schilling(at)hnee.de Further information:

https://www.hnee.de/en/Programmes/Masterdegree/Global-Change-Management/Global-Change-Management-M.Sc.-GCM-K381.htm

University Course: Integrated Land Use Systems *Apply by 21March 2019!*

The Faculty of the Environment and Natural Resources of Freiburg University, Germany, offers a course on Integrated Land Use Systems from 17 June – 05 July 2019 (full time). The course intends to reflect on social, environmental, and economic features of relevant land use systems and possibilities for broader diffusion.

Application forms and updated information:

https://www.waldbau.uni-freiburg.de/news_events/ILUS

Restoration Boot Camp for Tropical Asian Forests

Submit applications by 1 April 2019!

Learn adaptive strategies for tropical forest restoration with an emphasis on Asian forests.

Date: 22 April - 2 June 2019: Intensive six-week online course; 17-22 June 2019: Field week in Leyte, Philippines

Location: Online and Leyte, the Philippines

Organizers: ELTI, Visayas State University, and the Institute of Tropical Ecology & Environmental Management Details at: https://elti.yale.edu/events/restoration-boot-camp-tropical-asian-forests

14th ALTER-Net Summer School

Submit applications by 18 April 2019 at 18:00 (CET)! Open to graduate and post-graduate scientists, as well as professionals in related fields, the ALTER-Net Summer School provides an innovative atmosphere for thinking about and resolving the sustainability challenges that society is currently facing.

Date: 21-31 August 2019

Location: Peyresq, Haute-de-Provence, France Details at: http://www.alter-net.info/summer-school

Curso sobre conectividad del paisaje disponible online (Spanish)

De interés para estudiantes de Europa o América Latina: el curso de Santiago Saura en conectividad del paisaje disponible desde esta semana online correspondiente a la primera parte del curso, en forma de vídeos.

Vídeos creados por: Santiago Saura Martínez de Toda, Departamento de Sistemas y Recursos Naturales, E.T.S.I. Montes, Forestal y del Medio Natural

Enlace: https://www.youtube.com/channel/ UCKqPnYSZQ0-5y1A-w2Tdbtw

International Summer School 2019 | Protecting the Forest Resource: Risk assessment and Management using Innovative Tools

Submit application by: 31 May 2019

The focus of the summer school will be on tools for protecting the forest resource from different hazards.

Date: 24-28 June 2019 Location: Waterford, Ireland

Organizers: EFIPLANT, IEFC, Waterford Institute of

Technology

Details at: https://www.efi.int/events/internationalsummer-school-2019-protecting-forest-resource-riskassessment-and-management

Position Announcements & Research Funding

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

https://www.iufro.org/discover/noticeboard/fellowshipsscholarshipsresearch-funding/

PhD position in the *Pheromone Group* at Lund University

Apply by 24 March 2019!

Lund University is inviting applications for a doctoral student in Biology, within a project "Evolution of olfaction and new targets for innovative pest insect control". The overarching project aim is, through a species-comparative approach, to investigate whether/how ecological specialization is linked to the evolution and function of insect odorant receptors.



Details: https://lu.mynetworkglobal.com/en/what:job/jobID:253688/iframeEmbedded:0/where:4

Postdoctoral Scholar: Spatial Ecologist to Develop Sampling Protocols

Applications until 31 March 2019 or open until filled Dr. Kelli Hover in the Department of Entomology at The Pennsylvania State University, is seeking a highly motivated individual with expertise in population dynamics and spatial ecology to develop a sampling protocol for population dispersion and abundance of spotted lanternfly and in forest landscapes. Contact: Dr. Kelli Hoover, kxh25(at)psu.edu

Details: https://psu.jobs/job/86056

2 Graduate Positions (MSc or PhD)

Open until filled

The Garnas lab, Department of Natural Resources and the Environment, University of New Hampshire, USA, seeks two highly motivated graduate students (MSc or PhD) to address basic and applied questions concerning the ecology, evolution, and functional role of insects and fungi in eastern North American forests.

Contact: Dr. Jeff Garnas, jeff.garnas(at)unh.edu Details: https://mypages.unh.edu/garnaslab/two-mscphd-positions-available-fall-2019

PhD Position: Role of epigenetics in phenotypic plasticity and adaptation in the model tree poplar in a context of climate change

Apply by 26 April 2019!

The role of epigenetic mechanisms in tree adaptation and microevolution is being evaluated in the ANR project EPITREE 2018-2021. The candidate will benefit directly from the collaboration and training network of the EPITREE project.

Institution: Prof. S. Maury and Dr. R. Fichot, University of Orléans, Laboratory of Woody Plants and Crops Biology (LBLGC)

Duty Station: Orléans, France

Details: http://www.univ-orleans.fr/sites/default/files/LBLGC/documents/offre_these_thesis_offer_lblgc2019.

<u>pdf</u>

Publications

Calls for Articles

The IUFRO Working Party "Social dimensions of forest health" welcome articles for the special issue;: *Understanding Forest Health under Increasing Climate and Trade Challenges: Social System Considerations*. Further details can be found here: http://www.mdpi.com/journal/forests/special issues/climate health

Deadline for submissions is 31st March 2019.

You are invited to submit articles for a special issue in the Forests Journal titled **Supply Chain Optimization for Biomass and Biofuels**.

Further details can be found here:

http://www.mdpi.com/journal/forests/special_issues/
supply chain optimization

Deadline for submissions is on 20th August 2019.

Proceedings

13th International Christmas Tree Research and Extension Conference

3-8 September 2017, Akureyri, Iceland, IUFRO Working Party 2.02.09; Brynar Skúlason, Pétur Halldórsson (eds.), published in 2019

https://www.iufro.org/science/divisions/division-2/20000/20200/20209/publications/

28th IUFRO conference for Specialists in Air Pollution and Climate Change Impacts on Forest Ecosystems: Actions for Sustainable Forest Ecosystems under Air Pollution and Climate Change

Fuchu, Tokyo, Japan; 22-26 October 2017.

A total of 8 papers have been published in the following two journals:

Journal of Plant Research (3 papers):

https://link.springer.com/journal/10265/131/6

Journal of Agricultural Meteorology (5 papers):

https://www.jstage.jst.go.jp/browse/agrmet/list/-char/enhttps://www.iufro.org/science/divisions/

division-7/70000/70100/publications/

8th International Conference on Wind and Trees

Boulder, Colorado, USA; 17-21 July 2017

Two special issues are published from this workshop:

Agriculture and Forest Meteorology

https://www.sciencedirect.com/journal/agricultural-and-forest-meteorology/special-issue/1039GPTNSCG

Forestry: The special issue will be Vol 92 Issue 3, i.e. 92(3). This will be published in June 2019.

Two New Publications about Forestry in Argentina (in Spanish)

"Un recorrido por las revistas forestales históricas de Argentina"

"Biografias: protagonistas de la ciencia forestal argentina" http://www.agroindustria.gob.ar/sitio/areas/

ss desarrollo foresto industrial/biblioteca forestal/publicaciones/index.php

Non IUFRO Awards

https://www.iufro.org/discover/noticeboard/awards/

The 2019 Land for Life Award: Decades of Impact

Send your nomination to <L4L(at)UNCCD.int> by 30 March 2019! Self-nomination is not possible.

The Land for Life Award recognizes excellence in efforts towards achieving land degradation neutrality. Individuals, institutions and businesses, non-governmental organizations, policy makers and civil society as well as academic and research organizations are eligible for the award. As the UN Convention to Combat Desertification celebrates its 25th year, the 2019 Land for Life Award will be dedicated to "Decades of Impact". Award recipients will be announced on World Day to Combat Desertification on 17 June 2019 in Turkey.

https://www.unccd.int/actionsland-life-programme/land-life-award_

Frontiers of Knowledge Awards – Call for Nominations!

The nomination period closes at 23:00 GMT on 30 June 2019.



The BBVA Foundation Frontiers of Knowledge Awards recognize and reward world-class research and artistic creation, prizing contributions of singular impact for their originality and significance. Among the areas addressed by the awards are "Ecology and Conservation Biology" and "Climate Change". Candidates may be one or more natural persons of any nationality. Self-nomination is not permitted.

Download the nomination form from:

https://www.frontiersofknowledgeawards-fbbva.es/

Forest Products Society (FPS) Annual Excellence Awards

Submit application by 1 April 2019!

Nominations are sought for the prestigious Fred W. Gottschalk Memorial Award, the FPS Wood Award and the Wood Engineering Achievement Award

Details at: http://forestprod.org/ic/awards/

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

19-23 May 2019

A Century of National Forest Inventories – Informing Past, Present and Future Decisions

Oslo, Norway
IUFRO 4.00.00

Contact: Johannes Breidenbach, job(at)nibio.no https://nibio.pameldingssystem.no/nfi100years

20-22 May 2019

IAWA-IUFRO International Symposium for Updating Wood Identification

Beijing, China IUFRO 5.06.00

Contact: Yafang Yin, yafang(at)caf.ac.cn

https://bit.ly/2F3GEWy

16-22 Jun 2019

Forests in Science, Practice and Education - Conference on the Centenary of the Faculty of Forestry, Warsaw University of Life Sciences - SGGW

Warsaw, Poland

IUFRO

Contact: Kamil Bielak, kamil.bielak(at)wl.sggw.pl

http://100years.wl.sggw.pl/

19-21 Jun 2019

SILVA Network Annual Conference: The Bologna Principles and Higher Forest Education – Lessons Learned and Challenges Ahead

Tharandt, Germany IUFRO 6.09.00

Contact: Mika Rekola, mika.rekola(at)helsinki.fi https://www.iufro.org/science/divisions/division-6/60000/60900/activities/

8-10 Jul 2019

Small-scale Forestry Conference 2019

Duluth, MN, United States IUFRO 3.08.00

Contact: Christoph Hartebrodt, Christoph.Hartebrodt(at)forst.bwl.de http://iufrossf.umn.edu/

21-23 Aug 2019

Transforming Approaches to Forests and Forestry Through Indigenous And Local Knowledges

Vancouver, BC, Canada

IUFRO 9.03.04, 9.03.05, 6.00.00

Contact: Janette Bulkan, Janette.bulkan(at)ubc.ca http://tek.forestry.ubc.ca/organizing-committee/

6-9 Oct 2019

2019 Joint Annual Meeting & Symposium of FORMEC and COFE

Sopron, Hungary IUFRO 3.00.00

Contact: Imre Czupy, czupy.imre(at)uni-sopron.hu

http://formec2019.com/

14-16 Oct 2019

The IUFRO Seed Orchard Conference 2019

Nanjing, China IUFRO 2.09.01

Contact: Ji-Sen Shi, jshi(at)njfu.edu.cn https://www.iufro.org/science/divisions/division-2/20000/20900/20901/activities/

Other Meetings

21 Mar 2019

IDF Celebration

Joint ECE/FAO Forestry and Timber Section

Geneva, Switzerland

http://www.unece.org/index.php?id=46331

1-5 Apr 2019

VIth Edition of the Mediterranean Forest Week 2019

Brummana, Lebanon

https://www.vi-med.forestweek.org/

8-12 May 2019

GLF: Climate, Landscapes and Lifestyles

Kyoto, Japan

Photo competition/22 March: http://ow.ly/6CRY30nY2Qb Kamal Prawiranegara, K.Prawiranegara(at)cgiar.org https://events.globallandscapesforum.org/kyoto-2019/

15-17 May 2019

The Global Symposium on Soil Erosion (GSER19)

FAO HQ, Rome, Italy

http://www.fao.org/about/meetings/soil-erosion-symposium/en/

28-29 May 2019

R20 Austrian World Summit

Vienna, Austria

https://www.austrianworldsummit.com/

23-26 Jun 2019

EURO2019 Congress

Operations research and digital technologies in forestry Dublin, Ireland

Organized by IFORS

IUFRO 4.04.04 co-sponsors session on:

http://ifors.org/euro-2019/