

All-IUFRO Conference 2022

Forests in a Volatile World – Global Collaboration to Sustain Forests and Their Societal Benefits

Forest Genetic Resources for Future Resilient Forests

Organized by

IUFRO Division 2, Task Force Strengthening Mediterranean Nursery Systems for Forest Reproductive Material Procurement to Adapt to the Effects of Climate Change, IUFRO Division 7

🕒 23 September 2022, 11:15 – 13:00 CEST

📍 Vienna, Hybrid Event

To join us, please register for the Conference: [Registration](#)

Making forests more resilient and maintaining their functions require rapid and focused efforts based on the sustainable use and conservation of forest genetic resources and deployment of forest reproductive material. This session will seek best practises and identify research gaps, linking disciplines such as genetics, forest health, silviculture, and modelling, while ensuring that transformative change to achieve SDGs 13 (Climate Action) and 15 (Life on Land) is implemented in a socially responsible manner.

The session will include a keynote talk by Stephen Cavers (UK Centre for Ecology & Hydrology), a panel discussion with experts in forest genetics, conservation and use of forest genetic resources, forest reproductive material and breeding for resistance (Stephen Cavers, Paraskevi Alizoti, Barbara Vinceti, Raquel Diaz Vazquez) and a selection of lightning talks and posters with a global perspective on the topic.

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TENTATIVE PROGRAM

11:15– 11:45 am	Keynote talk
11:45 – 12:30 pm	Panel discussion
12:30 – 13:00 pm	Flash Talks

Poster presentations will be held in the additional in-person poster session on 23 September 2022, 13:00 – 14:30 pm.

PANELLISTS



Stephen Cavers (Keynote)

Ecology Evolution and Environmental Change, UK Centre for Ecology & Hydrology, UK

Stephen Cavers works with the UK Centre for Ecology & Hydrology, based in Edinburgh, Scotland. His work concerns genetic diversity, gene flow and adaptation in plants, primarily trees. Working with UK and international colleagues, he studies how genetic variation is organised in tree populations and how diversity arises from factors like population history, migration and adaptation. He uses combinations of molecular and quantitative genetic approaches to identify these demographic and evolutionary drivers, and to assess genetic resources for conservation and use. He has worked with tree species in Europe, Latin America and Africa and currently has projects focussed on European temperate tree species (*Pinus sylvestris*, *Juniperus communis*, *Taxus baccata*, *Quercus spp*, *Betula spp.*) and African dryland tree species (*Acacia senegal* & *tortilis*, *Melia volkensii*, *Moringa oleifera* & *stenopetala*, *Osyris lanceolata*).



Barbara Vinceti

Bioversity International, Italy

Barbara Vinceti is a scientist working for the Alliance of Bioversity and CIAT, an international research organization that is part of the CGIAR system. With a background in forest ecology, she is currently working mainly in Sub-Saharan Africa, coordinating and facilitating the implementation of multi-country, collaborative research initiatives centered around the conservation and sustainable use of forest genetic resources. Her interest has been increasingly focused on the role of forest genetic resources to support forest landscape restoration, promoting the use of a diversity of native multipurpose tree species and properly sourced forest reproductive material.

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Paraskevi Alizoti

Aristotle University of Thessaloniki, School of Forestry and Natural Environment, Greece

Paraskevi Alizoti is an associate professor at Aristotle University of Thessaloniki, School of Forestry and Natural Environment in Greece. She is an expert in forest genetics and tree breeding strategies, conservation of forest genetic resources, genetic aspects linked to the production and use of forest reproductive material and genetic monitoring.



Raquel Diaz Vazquez

Lourizán Forest Research Institute, Spain

Raquel Diaz Vazquez is the head of Section of Research and Silvicultural Breeding at Lourizán Forest Research Institute in Spain. She is a scientist working with genetic improvement programs of forest species. She focuses on quantitative genetics and genetic breeding and selection for resistance to pests and pathogens in breeding programs, in particular with resistance to pinewood nematode (*Bursaphelenchus xylophilus*) in *Pinus* spp. She also works with production and use of forest reproduction material.

MODERATION



Marjana Westergren

Slovenian Forestry Institute, Slovenia

Marjana Westergren is a researcher at the Slovenian Forestry Institute in Ljubljana, Slovenia. With a background in forestry engineering and population genetics, she works in the conservation and sustainable use of forest genetic resources. She contributes to numerous international projects (e.g. FORGENIUS) and networks, including IUFRO (Division 2 Deputy Coordinator), EVOLTREE and EUFORGEN.

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FLASH TALKS

Analyn Pasagdan

Ecosystems Research and Development Bureau, Department of Environment and Natural Resources, Philippines

Title of Presentation: **“Inventory and Assessment of Superior Mother Trees of Mangrove Species in Pagbilao Mangrove Experimental Forest, Quezon, Philippines”**

Santiago C. Gonzalez-Martinez

National Research Institute for Agriculture, Food and the Environment (INRAE) and BIOGECO, France

Title of Presentation: **“Using genomics to improve predictions of population responses of forest trees in the face of climate change”**

Ronan Cashell

Teagasc & Plant and AgriBiosciences Research Centre, National University of Ireland Galway, Ireland

Title of Presentation: **“Genomic selection for improved growth in Sitka spruce”**

Manisha Thapliyal

Forest Tree Seed Laboratory, Forest Research Institute, Dehradun, India

Title of Presentation: **“Linking conservation of forest genetic resources to species restoration in Western Himalayas”**

Christophe Orazio

European Institute for Planted Forest (IEFC), France

Title of Presentation: **“PLANTEDFORESTS.ORG : Help us to shape a resources centre on planted forests for stakeholders”**

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POSTERS

Adejoke Olukemi Akinyele

Title of Presentation: “**Molecular characterisation of *Balanites aegyptiaca* (L.) Del populations in Northern Nigeria**”

Esther Kpodo

Title of Presentation: “**Assessing local community opinions towards management regimes for balancing human needs and conservation goals in Pendjari Biosphere Reserve, Benin**”

Georgeta Mihai

Title of Presentation: “**Climate change and provenance regions for the main tree species in Romania: Implications for forest management**”

Silvio Daniele Oggioni

Title of Presentation: “**Drought adaptation of Italian silver fir genotypes in a climate change perspective**”

Alice Onyango

Title of Presentation: “**Influence of *Cupressus lusitanica* cones and seed characterization on germination in Kenya**”