



## 27<sup>th</sup> Session of the International Commission on Poplars and Other Fast Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO), 22-25 October 2024 | Bordeaux, France

*“Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies”*

### Working Party on Policy and livelihood (WP-POL)

#### Technical Program

Version updated 11 October 2024 / subject to review]

#### Wednesday, 23 October 2024

15:30-16:50

#### Oral presentations | Key Talks | FGTs in National Policies and Strategies

New EU regulations, opportunity or threat to plantation forests in the EU?

**Oscar Crespo**, Grupo Garnica Plywood, S.A.U., Spain

Fast-growing forest trees as a solution to sustainable development in the face of climate change

**Emmanuel Frimpong**, Rural Education and Agriculture Development International, ???

La Décennie Africaine et Mondiale de l’Afforestation et du Reboisement (DAMAR), une initiative salutaire dans la lutte contre le réchauffement climatique.

**Rosale Matondo**, Ministre de l’Economie Forestière de la République du Congo.

Types de partenariat dans la mise en place des plantations forestières et agroforestières en République du Congo

**Paul Bertaux**, Directeur Technique / ESG de Forêt Ressources Management, FRM, France

Research and development of native species silviculture in Brazil

**Daniel Piotto**, Universidade Federal do Sul da Bahia, Brazil

16:55-17:00

#### Poster presentations | FGTs in National Policies and Strategies (5-minute presentations)

Partenariat Public Privé dans la mise en place des plantations forestières: Cas du projet ECO-NZAMBA de la SNPC, en République du Congo.

**Delmas Aymard Ebio**, Advisor to the CEO, Manager ECO-NZAMABA Project Coordinator, République du Congo

17:00-18:00

#### WP Party Coordination

**Thursday, 24 October 2024**

**10:30-11:40**

**Oral presentations | Key Talks | Poplars in National Policies and Strategies**

Current French forestry policy and poplar production.

**Eric Paillassa**, CNPF-iDF, France

Merci le Peuplier Charter: an industry initiative to promote reforestation

**Emmanuel Naudin**, Conseil National du Peuplier, France

Minimum support price mechanism for poplar wood: how relevant will it be?

**Dinesh Kumar**, ICFRE-Forest Research Institute, Dehradun, Pin 248006, India  
(pre-recorded video)

Creative and Economic opportunities growing and weaving with willow

**Howard D Peller**, Living Willow Farm, United States

**11:45-12:00**

**Poster presentations | Poplar in National Policies and Strategies (5-minute presentations)**

The Role of Poplars and Fast-Growing Trees in Sustaining Communities and Environments.

**Blanyon B. Himmie**, Integrated Network for Climate, Health, and Education (INCHE), Liberia

French initiatives to promote poplar: original regional and public/private policies

**Emmanuel Naudin**, Conseil National du Peuplier, France

**12:00-13:30**

**Lunch**



Learn about  
IPC27 here:



**27<sup>th</sup> Session of the International Commission on Poplars and Other Fast-Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO)**

22-25 October 2024 | Bordeaux, France

*Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies*

**Technical Program of the Working Party on Environmental and Ecosystem Services (WP-ENV)**

(v. 21 October 2024 | FINAL program)

Wednesday, 23 October 2024

**13:00-13:30**    **Poster presentations** (hardcopy posters – presenters stand at posters and answer questions)

Monitoring the health status of poplar trees in Žčelesnički Park in Novi Sad  
**Milutin Đilas**, Institute of Lowland Forestry and Environment (ILFE), Serbia

Ectomycorrhizal community of Lombardy poplar trees on landfill near Novi Sad, Serbia  
**Marina Milović**, Institute of Lowland Forestry and Environment (ILFE), Serbia

From waste to resource: reusing wastewater for sustainable biomass production in short rotation coppice plantations  
**Nerea Oliveira**, Institute of Forest Science, ICIFOR-INIA, Spain

Phytotechnologies to remediate and stabilize stamp sands in Michigan's Upper Peninsula, USA  
**Elizabeth R. Rogers**, USDA Forest Service, USA

Clonal selection of poplars and willows for phytoremediation and phytostabilization of stamp sands mining waste in Michigan, USA  
**Ryan A. Vinhal**, USDA Forest Service, USA



Learn about  
IPC27 here:



**27<sup>th</sup> Session of the International Commission on Poplars and Other Fast-Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO)**

22-25 October 2024 | Bordeaux, France

*Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies*

**Technical Program of the Working Party on Environmental and Ecosystem Services (WP-ENV)**

(v. 21 October 2024 | FINAL program)

Wednesday, 23 October 2024

**13:30-15:00 Oral presentations (WP-ENV Key Talks; Phytotechnologies)**

Moderator: **Ronald S. Zalesny Jr.**, USDA Forest Service, USA

(key talk) Testing of coppiced poplar and willow in agroforestry systems for erosion control

**Jan Weger**, The Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Czech Republic

(key talk) A decade of research on the role of genotype identity vs. stand diversity in *Salix* biomass plantations for productivity and ecosystem function

**Martin Weih**, Swedish University of Agricultural Sciences (SLU), Sweden

Tolerance of hybrid willow clones to aircraft de-icing fluid

**Richard Krygier**, Natural Resources Canada- Canadian Forest Service, Canada

Establishment of phyto-recurrent selection demonstration projects for phytoremediation and phytostabilization of ore mining waste in Michigan's Upper Peninsula, USA

**Ronald S. Zalesny Jr.**, USDA Forest Service, USA

(pre-recorded video) Effects of applying sewage sludge on growth performance of *Populus nigra* trees

**Azadeh Salehi**, Research Institute of Forests and Rangelands, AREEO, Iran



Learn about  
IPC27 here:



**27<sup>th</sup> Session of the International Commission on Poplars and Other Fast-Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO)**

22-25 October 2024 | Bordeaux, France

*Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies*

**Technical Program of the Working Party on Environmental and Ecosystem Services (WP-ENV)**

(v. 21 October 2024 | FINAL program)

Wednesday, 23 October 2024

**15:30-17:00 Oral presentations (Ecosystem Services)**

Moderator: **Sharon L. Doty**, University of Washington, USA

Harnessing wild poplar and willow microbiota for enhanced plant growth under nutrient and water limitations

**Sharon L. Doty**, University of Washington, USA

Dynamics of carbon storage in a tropical *Eucalyptus* plantation over multiple rotations

**Guerric le Maire**, CIRAD, UMR Eco&Sols, France

Exploring the multifunctionality of poplar plantations through biodiversity analysis

**Nerea Oliveira**, Institute of Forest Science, ICIFOR-INIA, Spain

Distribution of above- and belowground carbon in dependence to the management system of poplar coppices grown on agricultural land in eastern Germany

**Lisa Schulz-Nielsen**, Leibniz Institute of Agricultural Engineering and Bioeconomy, Germany

**17:00-18:00 WP-ENV Business Meeting**



Learn about  
IPC27 here:



## 27<sup>th</sup> Session of the International Commission on Poplars and Other Fast-Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO)

22-25 October 2024 | Bordeaux, France

*Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies*

### Technical Program of the Working Party on Environmental and Ecosystem Services (WP-ENV)

(v. 21 October 2024 | FINAL program)

Thursday, 24 October 2024

#### 08:30-10:00 **Poster presentations** (5-minute oral presentations, i.e., flash talks)

Moderator: **Ronald S. Zalesny Jr.**, USDA Forest Service, USA

Monitoring the health status of poplar trees in Žčelesnički Park in Novi Sad

**Milutin Đjilas**, Institute of Lowland Forestry and Environment (ILFE), Serbia

Ectomycorrhizal community of Lombardy poplar trees on landfill near Novi Sad, Serbia

**Marina Milović**, Institute of Lowland Forestry and Environment (ILFE), Serbia

From waste to resource: reusing wastewater for sustainable biomass production in short rotation coppice plantations

**Nerea Oliveira**, Institute of Forest Science, ICIFOR-INIA, Spain

(pre-recorded video) *Salix humboldtiana* growing on heavy metal contaminated sediments in San Fernando, Buenos Aires, Argentina. A case study as a joint proposal for phytoremediation and environmental restoration

**Teresa Cerrillo**, National Institute for Agricultural Technology (INTA), Argentina

(pre-recorded video) Growth responses of *Populus nigra* under salt stress and inoculation with arbuscular mycorrhizal fungi

**Azadeh Salehi**, Research Institute of Forests and Rangelands, AREEO, Iran

(pre-recorded video) Mapping land cover of riparian ecosystem by optical and radar sentinel Images (case study: Zarrineh Rood of Iran)

**Sara Teimouri**, Research Institute of Forests and Rangelands, AREEO, Iran

(pre-recorded video) Clonal selection of poplars and willows for phytoremediation and phytostabilization of stamp sands mining waste in Michigan, USA

**Ryan A. Vinhal**, USDA Forest Service, USA

(pre-recorded video) Phytotechnologies to remediate and stabilize stamp sands in Michigan's Upper Peninsula, USA

**Elizabeth R. Rogers**, USDA Forest Service, USA





Learn about  
IPC27 here:



**27<sup>th</sup> Session of the International Commission on Poplars and Other Fast-Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO)**

22-25 October 2024 | Bordeaux, France

*Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies*

**Technical Program of the Working Party on Environmental and Ecosystem Services (WP-ENV)**

(v. 21 October 2024 | FINAL program)

Thursday, 24 October 2024

**13:00-13:30 Poster presentations (hardcopy posters – presenters stand at posters and answer questions)**

Monitoring the health status of poplar trees in Žčelesnički Park in Novi Sad  
**Milutin Đilas**, Institute of Lowland Forestry and Environment (ILFE), Serbia

Ectomycorrhizal community of Lombardy poplar trees on landfill near Novi Sad, Serbia  
**Marina Milović**, Institute of Lowland Forestry and Environment (ILFE), Serbia

From waste to resource: reusing wastewater for sustainable biomass production in short rotation coppice plantations  
**Nerea Oliveira**, Institute of Forest Science, ICIFOR-INIA, Spain

Phytotechnologies to remediate and stabilize stamp sands in Michigan’s Upper Peninsula, USA  
**Elizabeth R. Rogers**, USDA Forest Service, USA

Clonal selection of poplars and willows for phytoremediation and phytostabilization of stamp sands mining waste in Michigan, USA  
**Ryan A. Vinhal**, USDA Forest Service, USA

**17:00-18:00 WP-ENV Business Meeting**



**27<sup>th</sup> Session of the International Commission on Poplars and Other Fast Growing Trees Sustaining People and the Environment (IPC) of the Food and Agriculture Organization of the United Nations (UN FAO), 22-25 October 2024 | Bordeaux, France**

***“Poplars and other fast-growing trees for climate change mitigation and adaptation - pathways to climate resilience and carbon neutral societies”***

**Working Party on Genetic Resources (WP-GEN)**

**Technical Program**

**Wednesday, 23 October 2024**

**8:30-10:00**

**Oral presentations | Key Talks | Breeding I**

*Moderator: Raju Soolanayakanahally - Agriculture and Agri-Food Canada, Indian Head Research Farm, Canada*

Breeding strategies for improving poplar resistance to Woolly Poplar Aphid  
**Chiara Biselli**, CREA-FL, Council for Agricultural Research and Economics – Forestry and Wood, Italy

Accelerating Willow Breeding and Deployment (AWBD)  
**William Macalpine**, Rothamsted Research, UK

ICFRE Research Programme on Poplar and Willow Culture in North India  
**Dinesh Kumar**, ICFRE, India  
[(pre-recorded video)]

**10:00-10:30**

**Coffee**

**10:30-12:00**

**Oral presentations | Breeding II**

*Moderator: William Macalpine, Rothamsted Research, UK*

Hybrid Poplar Research Program in Minnesota: A Brief History  
**Andrej Pilipovic**, Natural Resources Research Institute (NRRI), University of Minnesota Duluth, USA

Performance of experimental and commercial poplar clones in a wide-spaced field trial assessed at age 6-8 years and at 19-21 years.  
**Ian McIvor**, Plant & Food Research, New Zealand





Endophytes for increasing plant resilience to climate change  
**Morgan Raimondo**, University of Washington, USA

What are Fast growing species? Some inputs from REINFFORCE Network  
**Christophe Orazio**, IEFC, France

**12:00-13:30** Lunch

**13:30-14:00** **Poster presentations | Breeding II (5-minute oral presentations)**

*Moderator: Ian McIvor - Plant & Food Research, New Zealand*

Upper cut application of IBA powder formulation improve white poplar rooted cuttings' survival and growth

**Branislav Kovačević**, Institute of Lowland Forestry and Environment (ILFE), Serbia

Study on the genotype × spacing of large-diameter *Populus × canadensis* in northern China

**Ning Liu**, Chinese Academy of Forestry, Research Institute of Forestry, China

Bouturage horticole des *Eucalyptus* sp. en République du Congo : acquis et perspectives de recherche.

**François Mankessi**, Université Marien NGOUABI, République du Congo

Multiplexed genetic markers to identify black poplar (*Populus nigra* L.)

**Kateřina Podrabska**, Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Publ. Res. Inst., Czech Republic

**14:00-15:30** **Oral presentations | Breeding II**

*Moderator: Andrej Pilipovic - NRRI, University of Minnesota Duluth., USA*

Black poplar and its current state in the Czech Republic

**Petra Štochlova**, Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Publ. Res. Inst., Czech Republic

Genetic variation and genotypic selection for low-nitrogen tolerance in poplar varieties and hybrid offspring

**Li Jinhua**, Research Institute of Forestry, Chinese Academy of Forestry  
(pre-recorded video)

Exploring wood anatomy plasticity in selected willow clones with differential critical flood tolerance in the Parana Delta, Argentina

**Sabrina Loyal**, National Institute for Agricultural Technology (INTA), Argentina  
(pre-recorded video)



Behavior of different clones of *Populus deltoides* in Rivadavia, Mendoza, Argentina.

**Silvina Pérez**, National University of Cuyo, Argentina

|(pre-recorded video)

Breeding of willows in Argentina, focused on growth, adaptation and multiple uses.

**Teresa Cerrillo**, National Institute for Agricultural Technology (INTA), Argentina

|(pre-recorded video)

**15:30-16:00**

Coffee

**16:00-17:30**

**Oral presentations | Key Talks | Genomics**

*Moderator: Raju Soolanayakanahally - Agriculture and Agri-Food Canada, Canada*

Genome-wide methylome stability and parental effects in the worldwide distributed Lombardy poplar

**An Vanden Broeck**, Research Institute for Nature and Forest, Belgium

Poplar Genomics: Unlocking the Potential of a Versatile Tree

**Ilga Porth**, Université Laval, Canada

Karyotype analysis of native and exotic male and female clones from various Poplar species in the Karaj Arboretum, IRAN.

**Seyed Mohsen Hesamzadeh Hejazi**, Research Institute of Forests and Rangelands (RIFR), Iran

**17:30 - 18:00**

**WP GEN Business Meeting**

*Moderators: Ian McIvor - Raju Soolanayakanahally*

**Thursday, 24 October 2024**

**8:30-10:00**

**Oral presentations | Key Talks | Health I**

*Moderator: William Macalpine, Rothamsted Research*

Unlocking the secrets of survival: Pioneering strategies to conquer phenological mismatch and climate maladaptation

**Raju Soolanayakanahally**, Agriculture and Agri-Food Canada, Indian Head Research Farm, Indian Head, Saskatchewan, Canada



Impact of stress on the response of male and female trembling aspen in North America

**Barb Thomas**, University of Alberta, Canada

Poplars facing drought: synthesis and future opportunities

**Régis Fichot**, Université d'Orléans, France

**10:00-10:30**

**Coffee**

**10:30-11:45**

**Oral presentations | Health II**

*Moderator: Ian McIvor - Plant & Food Research, New Zealand*

Integrated assessment of late frosts and summer drought risk under climate change: Novel framework in provenance selection applied to balsam poplar in Central Canada

**Raju Soolanayakanahally**, Agriculture and Agri-Food Canada, Indian Head Research Farm, Indian Head, Saskatchewan, Canada

Content of eight heavy metals in poplar and willow clones cultivated in pots using soil from a landfill sites.

**Lazar Kesić**, Institute of Lowland Forestry and Environment (ILFE), Serbia

Black alder genotypes with high level of resistance against *Phytophthora ×alni*

**Marek Štochl**, Silva Tarouca Research Institute for Landscape and Ornamental Gardening, Publ. Res. Inst., Czech Republic

Analyse de la stabilité en plantation contrastée des performances de l'hybride *Eucalyptus urophylla* × *E. grandis* issues du programme d'amélioration des eucalyptus du Congo

**Chrissy Garel Makouanzi Ekomo**, ENSAF, CRDPI, IRF, Institut National de Recherche Forestière, République du Congo.

**11:45-12:00**

**Poster presentations | Health II (5-minute oral presentations)**

*Moderator: Julia Kuzovkina, University of Connecticut, USA*

Nitrogen and starch stock in poplar unrooted poles

**Alain Berthelot**, INRAE, France

Aphid colonization and the physiological reactions of several poplar clones

**Leopold Poljakovic-Pajnik**, Institute of Lowland Forestry and Environment (ILFE), Serbia

**12:00-13:30**

**Lunch**



**14:00-15:30**

**Oral presentation | Key Talk | Taxonomy, nomenclature and registration**

*Moderator: Raju Soolanayakanahally - Agriculture and Agri-Food Canada, Indian Head Research Farm, Canada*

An update on the cultivar registration of *Populus*, *Salix* and other fast-growing trees

**Julia Kuzovkina**, University of Connecticut, USA

Question and discussion on Taxonomy and Registration

**15:30-16:00**

**Coffee**

**16:00 - 17:00**

**WP GEN Business Meeting**

**Moderators:** *Moderators: Raju Soolanayakanahally - William Macalpine*

*Teresa Cerrillo  
Chairperson WP-GEN  
27 IPC*

## WP-COM Day 1

Chair, Barb Thomas

Wed (10:30-12:00pm)	time	speaker/presenter	title				
key talk -Abstract 106	1030-1050	Jud Isebrands	IPC 'Highlight Sheets' – how we effectively disseminate information on fast growing trees to those who want and need it?				
speaker 2 -Abstract 88	1050-1105	Kevin Lindegaard	Envirocrops - the digital consultant				
speaker 3 -Abstract 86	1105-1120	Roberto Zanuttini (Prerecorded)	Analysis for the implementation of a web portal on the Italian poplar production and wood supply chain				
speaker 4 -Abstract 118	1120-1135	Emmanuel Naudin	Creating a poplar information and resource center on the Internet: the French experience				
speaker 5 -Abstract 130	1135-1150	William Macalpine	Biomass Connect: an overview of the establishment phase				
poster -Abstract 47	11:50-11:55	Cleopatra Babor	Fast-Growing Trees Networks				

**Wednesday 23.10.2024**

Convenor	Topic	Presentation	Presenter	Title	
8:30 Joris Van Acker	20 min	Climate & Plantation monitoring	Key talk	Flor Álvarez Taboada	Near-real-time and early warning system for water stress monitoring in poplar plantations using radiative transfer models with Sentinel 2 images, eco-physiological sensors and IoT
	20 min	Products	Key talk	Joris Van Acker	Combining poplar with other wood species for Engineered Wood Products
	20 min	Other FGT	Key talk	Guerric le Maire	Satellite remote sensing techniques for monitoring and managing Eucalyptus plantations
	20 min	Products	Key talk	Wanzhao Li	Resources and utilization of planted poplar in China: a comprehensive review
10:00	30 min	Coffee			
10:30 Richard Krygier	15 min	Production I / Plantation monitoring	Oral	Yousra Hamrouni	Operational Mapping of Poplar Plantations at the National Scale using Sentinel-2 Time Series Satellite Imagery
	15 min		Oral	Flor Álvarez Taboada	AppPopuli+: Web application for real-time damage identification and report in poplar plantations using citizen science and artificial intelligence
	15 min		Oral	Ahmed Koubaa	Chemical elements content and distributions within various tissue types in willow clones
	15 min		Oral	Xiuping Jiang	Using X-ray CT to assess the potential service life of poplar-CLT
	5 min		Poster	Flor Álvarez Taboada	Characterization of intra-annual diameter increment in poplar plantations in the Duero Basin (Spain)
	5 min		Poster	Flor Álvarez Taboada	How accurate are mobile laser scanners to estimate tree attributes in commercial poplar plantations? Comparisons between sensors (Geoslam, Navvis) and measuring patterns.
	5 min		Poster	Gonzalo Caballe	Estimation of Tree Metrics in Poplar Plantations Using Photogrammetry
12:00	90 min	Lunch			
13:30	30 min	Posters			
14:00 Oscar Crespo	15 min	Production II / Plantation production	Oral	Eric Paillasa	Study of the cold preservation of poplar seedlings
	15 min		Oral	Alicia Fuertes Sanchez	Poplar Short-Rotation Coppice Systems: Integrating Climate-Sensitive Models and Economic Analysis for a Low-Carbon Bioeconomy.
	5 min		Poster	Verica Vasic	Which pesticides are used in nursery production of poplar seedlings?
	5 min		Poster	Bijay Kumar Singh	Growth performance of <i>Populus deltoides</i> under High-density Plantation in North India
	5 min		Poster	Petra Stochlova	Black poplar clones suitable for growing in SRC (short rotation coppice) systems
15:30	30 min	Coffee			
16:00 Joris Van Acker	15 min	Products I	Oral	Marzena Niemczyk	Can Fast-Growing Trees Sustain Timber Supplies, Mitigate Climate Change, and Protect Ecologically Valuable Forests on Poland's Path to Carbon Neutrality?
	15 min		Oral	Eric Paillasa	Wood quality benchmarks carried out in France: 24 cultivars studied.
	15 min		Oral	Antolino Gallego	New structural products based on the combination of poplar with pine and concrete
	15 min		Oral	Sarah Fournier	Leuke and Persephone: demonstrators of forestry innovations based on the Poplar tree
	5 min		Poster	Esther Merlo	Poplar technological wood properties in the supply chain from tree-log-veneer and final product
	5 min		Poster	Gonzalo Caballe	Mechanical properties of plywood from the most widely planted <i>Populus</i> clones in Spain
17:30 Joris Van Acker	30 min	WP PRO Bussiness			
18:00					

**Thursday 24.10.2024**

8:30 Jan Weger	15 min	Agroforestry	Oral	AlmaThiesmeier	Growing Poplar in Agroforestry Systems: Economic Competitiveness with Arable Farming in Eastern Germany
	15 min	Joint session with WP-ENV & WP-GEN	Oral	Anita Tomar	Growth performance of <i>Populus deltoides</i> clones under Agrisilviculture System at Tarai region of Uttar Pradesh in India
	15 min		Oral	Pierrick Priault	Species interactions dynamics in poplar forestry and agroforestry systems: from water and nitrogen use efficiencies to tree productivity.
	15 min		Oral	Wolfram Kudlich	Combination-SRC – Optimized Cultivation Method for Poplar Plantations, Agroforestry Systems, and Pioneer Forests
	5 min		Poster	Chhavi Sirohi	Production potential of various wheat varieties and soil nutrient status under poplar based agroforestry system in Indo-gangetic plains of northern India
	5 min		Poster	Karel Stengl	Agroforestry and agrivoltaics co-location - is it possible? – first experience with experimental installation
	5 min		Poster	Jaroslav Bubenik	Tree - crop interactions in adult agroforestry systems: first results and experience from the Czech Republic
	5 min		Poster	Baragur Divakara	Sandalwood on semi-arid farmlands: a way for socio-economic upliftment of farmers
10:00	30 min	Coffee			
10:30 Ron Zalesny	15 min	Climate	Oral	Elham Nouri	Improving Soil Quality and Revitalizing Arid and Semiarid Areas by Planting Eucalyptus Species under Spate Irrigation
	15 min	Joint session with WP-ENV & WP-GEN	Oral	Flor Álvarez Taboada	“Populus adapt”: a project to monitor and prevent water stress in poplar plantations. Response of three different poplar clones to mycorrhizae and bacterial inoculation.
	15 min		Oral	Marzena Niemczyk	Can Fast-Growing Trees Sustain Timber Supplies, Mitigate Climate Change, and Protect Ecologically Valuable Forests on Poland's Path to Carbon Neutrality?
	15 min		Oral	Ning Liu	Response of growth and wood property of <i>Populus</i> to different climate zones
	15 min		Oral	Sajid Hussain	The Impact of Climate Change and Water Use Efficiency in <i>Populus tomentosa</i> (Chinese white poplar) Plantations: A Meta-Analysis
	15 min		Oral	Benye Xi	Trees in cooler regions are more vulnerable to thermal stress: evidence from temperate poplar plantations in Northern China during the 2022 heatwaves
	15 min		Oral	Morgan Raimondo	Endophytes for increasing plant resilience to climate change
	5 min		Poster	S K Sharma	Fast-growing Poplar and Eucalyptus trees in India and their Role in climate resilience
	5 min		Poster	Mindaugas Silininkas	Carbon credit availability in support to poplar growers
Parrallel					
10:30 Ramesh Dhiman	15 min	Production other FGT	Oral	Anita Tomar	Growth performance of three fast-growing tree species in different spacing at Prayagraj in India
	15 min		Oral	Ramesh Dhiman	Circular Economy around the Value Chain of Fast Growing Trees in India
	15 min		Oral	Djagoun Chabi	Economic Incentives in Shaping the Forest Landscape: The Case of the Lama Forest Reserve in Southern Benin



	15 min		Oral	Daniel Piotto	Diameter growth models and performance of 100 tropical tree species of America, Africa, Asia and Australia in silvicultural trials in Brazil
	15 min		Oral	Guerric le Maire	Simulating water dynamics and wood production in Eucalyptus plantations with a process-based model
	5 min		Poster	Masayoshi Takahashi	Research on Fast growing trees in Japan
12:00	90 min	Lunch			
13:30	30 min	Posters			
14:00 Richard Krygier	15 min	Production III / Plantation production	Oral	Joel Jensen	Combining tree species with different resource use strategies promotes growth in young tree mixtures
	15 min		Oral	Anneli Adler	The establishment of poplar plantations in the Nordic-Baltic region using five different types of planting material
	5 min		Poster	Jamie Rickerby	Net Zero Willow
	5 min		Poster	Mohsen Calagari	Growth and Productivity of Populus deltoides and hybrid clones in semi-arid condition of Alborz province
	5 min		Poster	Mohsen Calagari	Investigation on Growth, morphology and phenology characteristics of willow species in germplasm collection of Karaj
15:30	15 min	Coffee			
16:00 Oscar Crespo	15 min	Products II	Oral	Joris Van Acker	Plywood production based on trees outside forest and the potential of agroforestry in Europe
	15 min		Oral	Németh Róbert	The wood of poplars – Research at the University of Sopron
	15 min		Oral	Gabriele Kowalski	PappelWERT: Storage chambers to understand dry matter losses in wood chips from Poplar during storage
	15 min		Oral	Michael Adedotun Oke	Studying the collection and use of tree bark as a non-timber forest product in the Federal Capital Territory of Nigeria
	15 min		Oral	Job Wittens	Reinventing the poplar forestry wood chain in the Low Countries: vision and mission of Peppelhout
	5 min		Poster	Gonzalo Caballe	Mechanical properties of plywood from the most widely planted Populus clones in Spain
	5 min		Poster	Mohammed V. Fofana	Advancing Sustainable Bioeconomic Production Systems: Integrating Efficiency and Innovation
	5 min		Poster	Irene Gil-Martin	Enhancing Poplar Wood Valorization through Innovative Non-Destructive Tools for Wood Quality Assessment: The Tree Inspection Kit (TIK)
	5 min		Poster	Alejandro Martinez-Meier	Poplar timber production in Argentina: relationships between productivity and mechanical wood properties determining stiffness
17:30 Joris Van Acker	30 min	WP PRO Bussiness			
18:00					

Present in person  
 Recorded presentation  
 No final info  
 Has registered