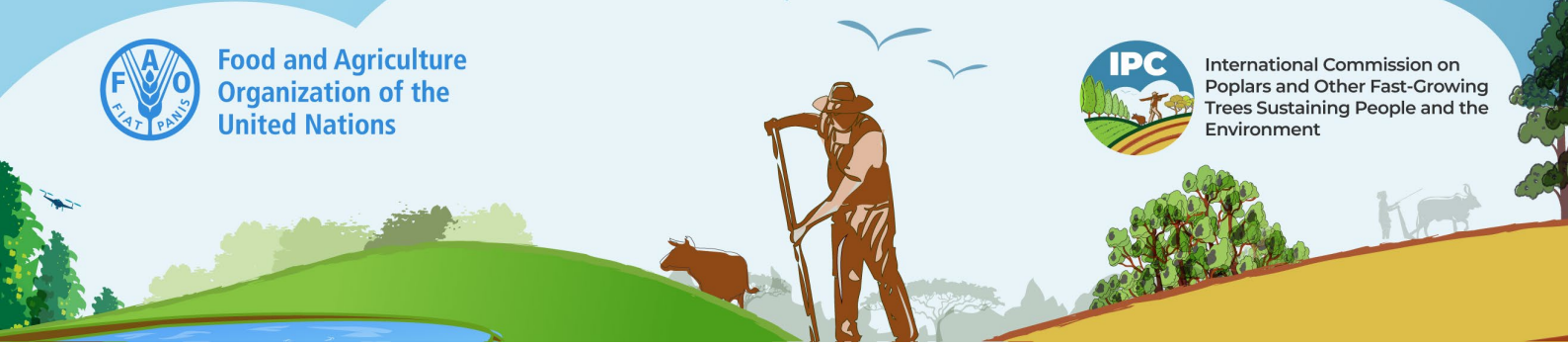

Learn about IPC27 here:

27th 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. 17 October 2024 | Please note, this program is subject to revision. The version number will be updated as new information is available.)

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 Žčeleznički 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

Phytotechnologies to remediate and stabilize stamp sands in Michigan's Upper Peninsula, USA
Ronald S. Zalesny Jr., USDA Forest Service, USA

Clonal selection of poplars and willows for phytoremediation and phytostabilization of stamp sands mining waste in Michigan, USA
Ronald S. Zalesny Jr., USDA Forest Service, USA

Learn about IPC27 here:

27th 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. 17 October 2024 | Please note, this program is subject to revision. The version number will be updated as new information is available.)

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:

27th 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. 17 October 2024 | Please note, this program is subject to revision. The version number will be updated as new information is available.)

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

(pre-recorded video) Protection of environment by management of poplar defoliator (*Clostera cuperata*) through herbal approach
Rashmi Sehrawat, ICFRE, India

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

Learn about IPC27 here:

27th 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. 17 October 2024 | Please note, this program is subject to revision. The version number will be updated as new information is available.)

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 Žčeleznički 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

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

(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) Ectomycorrhizal symbiosis increases NPK uptake in *Populus alba* seedlings under drought stress
Seyedeh Masoomeh Zamani, Research Institute of Forests and Rangelands, AREEO, Iran

(pre-recorded video) Physiological responses of ectomycorrhizal *Populus alba* L. seedlings to salt stress
Seyedeh Masoomeh Zamani, Research Institute of Forests and Rangelands, AREEO, Iran

(tentative) Valuing ecosystem services: the role of fast-growing tree species in sustainable policy frameworks
Bill Jusu, Global Peace and Development Organization, Liberia

(tentative) 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

Learn about IPC27 here:

27th 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. 17 October 2024 | Please note, this program is subject to revision. The version number will be updated as new information is available.)

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 Žčeleznički 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

Phytotechnologies to remediate and stabilize stamp sands in Michigan's Upper Peninsula, USA
Ronald S. Zalesny Jr., USDA Forest Service, USA

Clonal selection of poplars and willows for phytoremediation and phytostabilization of stamp sands mining waste in Michigan, USA
Ronald S. Zalesny Jr., USDA Forest Service, USA

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