

IUFRO WORLD DAY (28-29 September 2021)

Session organized by the IUFRO Unit 1.01.07 "Beech Ecology and Silviculture":

Natural and Old-Growth Fagus forests under global change: their unique role in climate mitigation and biodiversity conservation



Natural and old-growth beech forests are unique ecosystems in Europe and Asia, with relict forests in Central America. They cover a variety of environmental conditions in a wide range of northern latitudes, from low elevation to treelines, where they have adapted to different disturbance regimes and often host multi-century trees.

The event will showcase available research on the biological/ecological uniqueness of natural beech forests. Special emphasis will be given to their role in biodiversity conservation, their ability to store carbon and contribute to climate change mitigation, their dynamics in terms of climate change resilience.

The event will be split into two subsessions

Sub-session 1 - Sep 28th (8:45 AM UTC)

"Old-growth beech forests structure and attributes, with implications for the carbon cycle and biodiversity conservation"

Sub-session 2 - Sep 29th (10:00 AM UTC)

"Beech forest dynamics under global change"

Speakers

Alfredo Di Filippo, Università della Tuscia (IT), Coordinator of the IUFRO Research Unit 1.01.07

Parisa Panahi, National Botanical Garden of Iran (IR), Deputy Coordinator of the IUFRO Research Unit 1.01.07

Atsuhiko Iro, Shizuoka University (JP), Deputy Coordinator of the IUFRO Research Unit 1.01.07

Dario Martin Benito, CSIC-INIA (ES)

Tom Nagel, Dušan Roženberger, Jurij Diaci, University of Ljubljana (SI)

Miroslav Svoboda, Mikoláš Martin, Dheeraj Ralhan, Daniel Kozák, Michal Synek, Czech University of Life Sciences (CZ)

Francisco Javier Cano & Ismael Aranda, CSIC-INIA (ES)

Keiko Kitamura & Atsushi Nakanishi, FFPRI, Hokkaido Research Centre (JP)

Hanns Kirchmeier, E-C-O (AT)

Mirko Liesebach, Thünen-Institut für Forstgenetik (DE)

Topics covered

Old-growth forests

Forest patterns and processes

Forest Demography

Forest Biodiversity

Forest Physiology

Forest Genetics

Resilience and Resistance under Global Change

Measuring Ecosystem Services