

Programme

22 – 23 May 2018 **7th ICP Forests Scientific Conference**

Tuesday 22 May 2018 -----

08:00-09:00 Registration

09:00-09:30 **Opening. Chair: Walter Seidling**

09:00-09:15 Welcome Address by host country

09:15-09:25 Opening address by **Marco Ferretti**, Chair of ICP Forests

09:25-09:30 Opening address by **Karin Hansen**, Chair of the Scientific Committee

09:30-12:20 **Session 1: Changes in ecosystem processes in forests under various management regimes, Chair: Bruno De Vos**

09:30-10:00 **Keynote: Susanne Brandl *et al.***: Effects of climate and management on productivity and mortality of European beech and Norway spruce in Europe

10:00-10:20 **Maija Salemaa *et al.***: Functional significance of nitrogen productivity of boreal forest plants

10:20-10:40 **Roberto Canullo *et al.***: Drivers of plant functional traits in understory communities of Italian forests

10:40-11:00 **Coffee break**

11:00-11:20 **Elena Vanguelova *et al.***: Links between soil biochemistry and biodiversity with Oak health status

11:20-11:40 **Tiina Tonteri *et al.***: Declining macrolichens respond to forest management in boreal forests

11:40-11:50 **Henning Meeseburg *et al.***: Specific Leaf Area reconstruction may provide the missing link between litterfall and Leaf Area Index

11:50-12:00 **Nenad Potočić *et al.***: The use of monitoring data for improving the management of pedunculate oak (*Quercus robur* L.) stands in Spačva basin, Croatia

12:00-12:10 **Alexander Russ *et al.***: Water balance of selected sites and tree species – Retrospect of 20 years of monitoring in the federal state of Brandenburg, Germany

12:10-12:20 **Bruno de Vos**: Wrap up of Session 1

12:20-13:20 Lunch

13:20-16:30 Session 2: Time series of forest ecosystem processes and their interrelationship. Chair: Nenad Potočić

13:20-13:50 **Keynote: Marco Ferretti *et al.*:** Changing perspective – more ecology is necessary for air pollution studies

13:50-14:10 **Tiina Nieminen *et al.*:** Comparison of soil solution sampling techniques in a Norway spruce forest in Finland

14:10-14:30 **Rita Sousa-Silva *et al.*:** The impact of forest diversity on tree growth and recovery to drought

14:30-14:50 **Héctor García-Gómez *et al.*:** Deposition of nitrogen in Mediterranean forests of *Quercus ilex*: significance of dry deposition

14:50-15:10 Coffee break

15:10-15:30 **Iben M Thomsen *et al.*:** Phenology observations in beech and oak by daily photos: experiences from Denmark

15:30-15:40 **Vincent Boulanger *et al.*:** Ungulates increase forest plant species richness to the benefit of non-forest specialists

15:40-15:50 **Carmen Iacoban *et al.*:** Trends of pollutants concentrations and fluxes in depositions and soil solution in Romania (1998-2016)

15:50-16:00 **Martina Pollastrini *et al.*:** Relationships between crown defoliation and tree diversity depend on the environmental context

16:00-16:10 **Arne Verstraeten *et al.*:** Establishing a link between pollen dispersal, seed production and throughfall dissolved organic carbon (DOC) flux in temperate forests

16:10-16:20 **Sabine Braun *et al.*:** Ecological conclusions from long-term growth series of beech and Norway spruce in Switzerland

16:20-16:30 **Nenad Potočić:** Wrap up of Session 2

16:30-18:30 Session 3: Poster session, Chair: Karin Hansen

16:30-17:00 Poster pitching, 1 min per 1 poster slide

17:00-18:30 Poster session including refreshments

Wednesday 23 May 2018 -----

09:00-11:50 Session 4: Climate change adaptation of forests and their contribution to climate change mitigation. Chair: Marcus Schaub

09:00-09:30 **Keynote: Lars Vesterdal:** Responses of soil carbon to forest management

09:30-09:50 **Ainars Lupikis:** Filling the gaps of modelling of the soil carbon cycling through better forest litter input data

- 09:50-10:10 **Maxime Cailleret et al.:** Sensitivity of mean ozone concentration, AOT40, and POD1 estimates to different sources for ozone, climate and vegetation data
- 10:10-10:30 **Mirco Rodeghiero et al.:** Soil nitrogen explanatory factors across a range of forest ecosystems and climatic conditions in Italy
- 10:30-10:50 **Maryam Salehi et al.:** Leaf nutrients and leaf morphological traits in beech stands across a water availability gradient in Switzerland
- 10:50-11:10 Coffee break**
- 11:10-11:20 **Elena Gottardini et al.:** Ozone removal by Norway spruce forests: a case study in Trentino, North Italy
- 11:20-11:30 **Hubert Jochheim et al.:** Mitigation potential of forest management and wood products use – Simulation study for intensive monitoring plots of Brandenburg, Germany
- 11:30-11:40 **Vidas Stakėnas et al.:** Changes of deciduous tree species areas during the last decades in Lithuania
- 11:40-11:50 **Marcus Schaub:** Wrap up of Session 4
- 11:50-12:30 Session 5: Research data management, Chair: Tom Levanič**
- 11:50-12:00 **Volodymyr Trotsiuk et al.:** Quantifying, Understanding and Predicting Forest growth In Switzerland QUPFiS – a novel analytical pipeline, leveraging a Swiss network of long-term forest-related observations
- 12:00-12:10 **Ionut Iosifescu Enescu et al.:** Forest data integration in the WSL environmental data portal EnviDat
- 12:10-12:20 **Till Kirchner et al.:** ICP Forests & LTER – a first handshake between data infrastructures
- 12:20-12:30 **Tom Levanič:** Wrap up of Session 5
- 12:30-12:40 Chairs: Karin Hansen and Marcus Schaub: Closing**
- 12:40-13:30 Lunch**
- 13:30-18:30 Field trip together with participants of ICP Forests Task Force Meeting**

List of Posters

Poster session incl. pitching, Tuesday 16:30-18:30 (authors in alphabetical order)

Patricia Adame *et al.*: Litter carbon stock variability in the Spanish forest types

Edita Baltrėnaitė *et al.*: Processes and barriers involved in the contaminant mobility reduction through the life cycle of a tree

Vicent Calatayud *et al.*: Current ambient and elevated ozone effects on poplar: a global meta-analysis and response relationships

Goran Češljarić *et al.*: Trends of average tree defoliation on sample plots Level I in Serbia

Albert Ciceu *et al.*: Crown defoliation effect on tree growth rates recorded at the Romanian Level II plots

Alexandru - Liviu Ciuvat *et al.*: Influence of climatic changes on the foliar nutrition of the main forest species found in ICP Level II core plots in Romania

Nicholas Clarke *et al.*: One size does not fit all: climate, N deposition and management of forest biomass removal in Norway

Andrea Cutini *et al.*: Shaping future forestry for sustainable coppices in southern Europe: the contribution of LIFE FutureForCoppiceS project

Turgay Dindaroglu: Determination of eco-region and corridor sensitivity for reclamation in the karst ecosystems

Héctor García-Gómez *et al.*: Eutrophication risk of European forests: a first approximation using empirical critical loads and atmospheric chemical models

Morten Ingerslev *et al.*: Time trends in nitrogen, and sulfur throughfall fluxes and soil solution concentrations

Ionuț Iosifescu Enescu *et al.*: The conceptual framework of the WSL environmental data portal EnviDat

Sheila Izquieta-Rojano *et al.*: Eco-physiological response of *Hypnum cupressiforme* Hedw. to increased atmospheric ammonia concentrations in a forest agrosystem

Hubert Jochheim *et al.*: Quantification of soil respiration and vertical partitioning of soil CO₂ production in a beech and a pine forest stand in the Northeast German Lowland

Vita Kreslina *et al.*: Changes in vascular plant communities in the third to fifth year in an experimental tree trial on arable land

Dagnija Lazdina *et al.*: Development of reforested stand on former peat mining area - a case study

María López-Aizpún *et al.*: Atmospheric ammonia concentration modulates soil enzyme and microbial activity in an oak forest soil microbial biomass

Miroslava Markovic *et al.*: Biological measure in seedlings protection

Katrin Meusburger *et al.*: Trends in dissolved organic carbon in soil solution at Swiss Level II plots

Panagiotis Michopoulos *et al.*: Nutrients in litterfall and forest floor in two adjacent forest ecosystems in the area of the mountain Ossa in northeastern Greece

Radek Novotný *et al.*: Trends in tree nutrition within the ICP Forests Level II plots in the Czech Republic

Heike Puhlmann *et al.*: Critical nitrogen loads for N sensitive forest communities

Snezana Rajkovic *et al.*: Ozone injury - Kopaonik - Level II

Hiroyuki Sase *et al.*: Multi-isotopic approach for monitoring on atmospheric deposition in forests in Japan

Patrick Schleppi *et al.*: Nitrate leaching and soil acidification in a long-term N-addition experiment to a sub-alpine forested catchment on Gleysol

Cristian Gheorghe Sidor: Phenological observations at 6 species of trees in the growing seasons 2014, 2015 and 2016 from Level II ICP Forests Romanian Network

Inga Straupe *et al.*: The assessment of anthropogenic air pollution in urban ecosystem using lichenindication and snow samplings

Leho Tedersoo: Mycorrhizal types differ in ecophysiology and ecosystem functioning

Liisa Ukonmaanaho *et al.*: Concentrations of heavy metals in litterfall and soil in boreal forest

Lena Wohlgemuth *et al.*: Approach for a comprehensive assessment of the Hg pool in foliage across Europe

Ružica Ždero Pavlović *et al.*: Poplar cuttings under drought conditions induced with PEG6000

Programme Committee

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