

## Preliminary Programme (latest update: 2 May 2018)

**22 – 23 May 2018**      **7<sup>th</sup> 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: Christopher Reyer:** Data and models to study climate impact on Europe's forests

- 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 CO<sub>2</sub> 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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## **Scientific Committee**

|                 |   |
|-----------------|---|
| Karin Hansen    | IVL Swedish Environmental Research Institute, Sweden    |
| Bruno De Vos    | INBO, Research Institute for Nature and Forest, Belgium |
| Nenad Potočić   | Croatian Forest Research Institute, Croatia             |
| Tom Levanič     | Slovenian Forestry Institute, Slovenia                  |
| Lars Vesterdal  | University of Copenhagen, Denmark                       |
| Marcus Schaub   | Swiss Federal Research Institute WSL, Switzerland       |
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