

# Air pollution, climate change and forest ecosystems

## Evidence for effects, adaptation, and mitigation strategies

6<sup>th</sup> ICP Forests Scientific Conference  
17 May 2017 in Bucharest/Romania

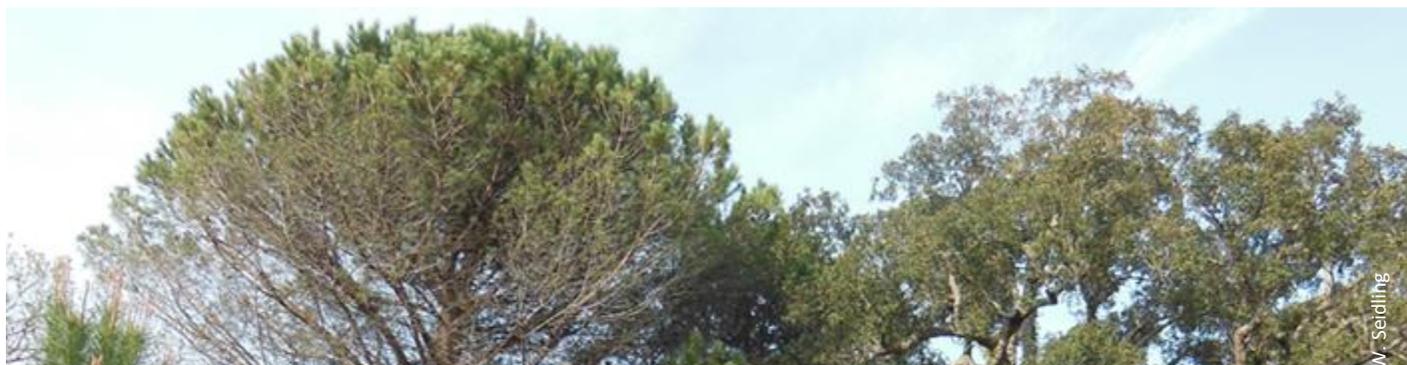
1<sup>st</sup> Announcement

### Invitation

After three decades of monitoring by the International Co-operative Programme on Assessment and Monitoring of Air Pollution Effects on Forests (ICP Forests) long-term data series provide a unique asset for the evaluation of status, trends and processes in European forest ecosystems. Hence, the 6th ICP Forests Scientific Conference offers the possibility to present results from all forest-related monitoring and research infrastructures.

Effects of air pollution, adaption to climate change, and mitigation strategies are key issues under the UNECE Convention on Long-range Transboundary Air Pollution (CLRTAP) and related political processes. CLRTAP already successfully contributed to a distinct reduction of acidifying sulphur inputs and to some reduction of nitrogen compounds at least in Europe. Silvicultural or ameliorating measures might mitigate or counteract some of the most severe consequences of environmental changes.

The conference addresses scientists and experts from ICP Forests, the wider UNECE community under and beyond the Working Group on Effects (WGE), partners and stakeholders, and all interested scientists and experts from related fields. We especially invite researchers using ICP Forests data in their projects, evaluations, and modelling exercises.



M. Seidling

### Main topics are:

- The impact of nitrogen, ozone, and their interactions on forest ecosystems
- Nutrient and biogeochemical cycling
- Heavy metals in forests
- Climate change, air pollution effects and interactions

### Background

Forests represent an immense resource, providing a number of services (from the provision of wood and non-wood products, to the protection of biodiversity, habitats, soil and water resources and the regulation of atmospheric and climatic processes) and are essential for the societal well-being.

Atmospheric emissions including nitrogen, ozone, heavy metals and greenhouse gases put their performance at risk and the effects on various forest ecosystem components need to be critically assessed and permanently monitored.

Since 1985, this is performed by ICP Forests operating under the CLRTAP. ICP Forests monitors forest condition and environmental factors across Europe and the data is used by a large number of scientists, investigating various policy relevant research questions.

### Conference structure

The conference will be organized with one keynote (30 min) at the beginning and sessions with standard presentations (15 min) in order to provide an informal atmosphere for an efficient and valuable exchange of *the state of the art in forest monitoring and research*.

A poster session is anticipated and authors are encouraged to present especially work in progress.

*Data provider and user interface.* The conference provides an annual platform to bring together monitoring experts, researchers, and modellers. Data users will benefit from background information related to the data sets. National data providers will profit from an advanced insight into the latest statistical applications based on "their" data. Data users will be able to take advantage of getting in touch with data experts to discuss data availability and -quality as well as metadata.

*Expected output. Abstract book and Conference Proceedings.* A selection of presented results will be considered for the ICP Forests Executive Report 2017.



M. Weidmann



W. Seidling

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#### Invitation

#### Scientific Committee

- Marco Ferretti  
TerraData environmetrics, Italy  
Chair of the Scientific Committee of ICP Forests
- Bruno De Vos  
INBO, Research Institute for Nature and Forest, Belgium
- Stefan Fleck  
Thünen Institute of Forest Ecosystems, Germany
- Tom Levanič  
Slovenian Forestry Institute, Slovenia
- Walter Seidling  
Thünen Institute of Forest Ecosystems, Germany

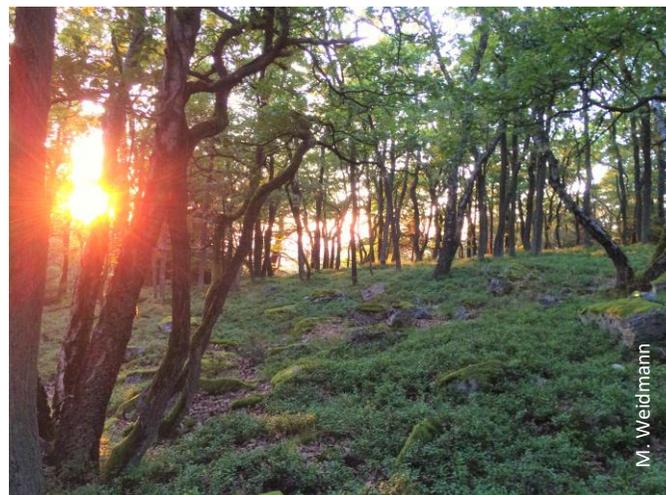
#### Contact

Marco Ferretti, Chair of the Scientific Evaluation Committee of ICP Forests  
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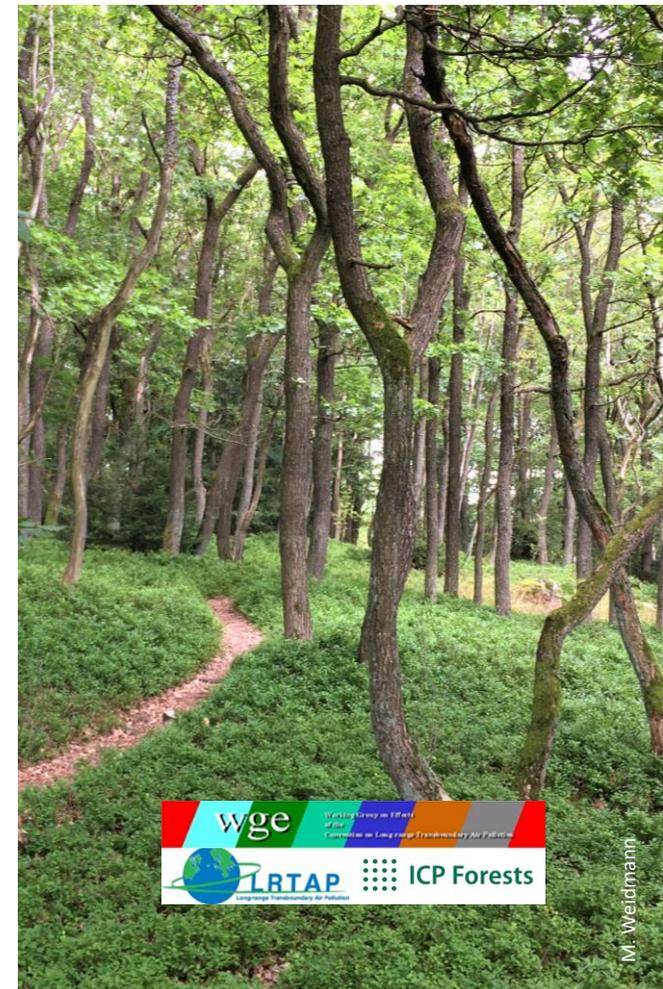
Walter Seidling, Head of the Programme Co-ordinating Centre (PCC) of ICP Forests  
[walter.seidling@thuenen.de](mailto:walter.seidling@thuenen.de)

#### Time schedule

- |            |  |
|------------|--|
| 23/11/2016 | First announcement   |
| 20/01/2017 | Second announcement (with logistics and abstract guidelines)                 |
| 28/02/2017 | Deadline for abstract submission   |
| 25/03/2017 | Confirmation of talk/poster  |
| 15/04/2017 | Deadline for regular online registration                                     |
| 01/05/2017 | Final deadline for late registration   |
| 16/05/2017 | Joint Excursion (with participants of the Task Force Meeting of ICP Forests) |
| 17/05/2017 | Scientific Conference  |



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