

*UNECE Convention on Long-range Transboundary Air Pollution*  
**Working Group on Effects**

**International Cooperative Programme  
on Modelling and Mapping  
of Critical Levels & Loads and Air Pollution Effects,  
Risks and Trends (ICP M&M)**

**Final Agenda**

(13 April 2016)

**26<sup>TH</sup> CCE WORKSHOP AND 32<sup>ND</sup> TASK FORCE  
MEETING**

**on assessments of impacts of air pollution, and interactions with  
climate change, biodiversity and ecosystem services**

*Tuesday 19 – Friday 22 April 2016*

**Dessau, Germany**

Sponsored by:

German Environment Agency (UBA)  
French National Institute for Industrial Environment and Risks (INERIS)  
Dutch Ministry of Infrastructure and the Environment  
Coordination Centre for Effects (CCE) at RIVM, The Netherlands

## Tuesday 19 April 2016

### **Opening of the 26<sup>th</sup> CCE workshop and 32<sup>nd</sup> TF and Key Note Session**

Chair: Markus Geupel

8:00 - 8:30	<b>Registration and mounting of posters</b>	
8:30 - 8:45	Welcome	Lilian BUSSE (Head of Division II, Environmental Health and Protection of Ecosystems, UBA)
8:45 - 9:00	Objectives of the workshop and Task Force	Anne-Christine LE GALL/ Jean-Paul HETTELINGH
9:00 - 9:30	<b>KEYNOTE:</b> The relevance of nitrogen depositions in relation to forest management, game browsing and climate change	Markus BERNHARDT- RÖMERMANN, University of Jena

### **Topic 1: Progress related to the Call for Data 2015-2017**

Chair: Jean-Paul Hettelingh

9:30 - 9:35	Short introduction	Jean-Paul HETTELINGH
9:35 - 10:00	The PROPS Vegetation model: status	Gert Jan REINDS
10:00 - 10:20	PROPS-computed critical loads and the assessment of exceedances on number of plant species	Max POSCH
10:20 - 10:40	<b>Discussion</b>	
10:40 - 11:00	<b>Coffee break and Poster session in the presence of poster authors</b>	
11:00 - 11:20	Progress in German Response to the Call for Data 2015-2017 regarding biodiversity critical loads	Hans-Dieter NAGEL, Angela SCHLUTOW & Yolandi BOUWER
11:20 - 11:40	Using the phytoecological model and database EcoPlant to model the impact of climate change and atmospheric N deposition on French forest biodiversity	Simon RIZZETTO, Salim BELYAZID, Jean-Claude GEGOUT, Émilien KUHN, Manuel NICOLAS, Anne PROBST
11:40 - 12:00	An attempt to model biodiversity critical loads for forests in Switzerland with the VEG model	Dani KURZ, Sabine BRAUN, Beat ACHERMANN, Reto MEIER
12:00 - 12:20	Alternatives to relate indicator species to abiotic variables	Jaap SLOOTWEG
12:20 - 12:45	<b>Discussion</b>	
13:00 - 14:00	<b>Lunch<sup>1</sup></b>	

<sup>1</sup> The M&M-quarter (derived from the Dutch "Academic quarter-of-an-hour") is to help avoid people being late. It is hidden in the agenda before- and after lunch to allow our participants to leisurely walk between the meeting room and the UBA restaurant, while making it back in time (!) for the next session.

Please note: Lunches are to be paid by the participants, directly to the UBA-restaurant cashiers

## Tuesday 19 April 2016...Cont<sup>d</sup>

<b>Topic 2: National contributions to effect-based work (under the Convention including the call for data)</b>		
<i>Chair: Beat Achermann</i>		
14:15 - 14:35	<i>Critical load functions: effects of uncertainties in biogeochemical and species responses and species choice</i>	<i>Ed ROWE</i>
14:35 - 14:55	<i>Estimating critical loads using change-point regression models.</i>	<i>Tobias ROTH</i>
14:55 - 15:25	<i>(1) Update on CLAD activities and accomplishments in the U.S.] (2) Update on progress in response to the Call for Data 2015-2017 regarding biodiversity critical loads]</i>	<i>Jennifer PHELAN</i>
15:25 - 15:45	<b>Discussion</b>	
15:45 - 16:10	<b>Coffee break and poster session</b>	
16:10 - 16:30	<i>Assessing combined climate change and N deposition impacts in Austrian terrestrial ecosystems</i>	<i>Ika DJUKIC</i>
16:30 - 16:50	<i>Present and future lake acidification status in Norway – nationwide MAGIC modelling update</i>	<i>Kari AUSTNES</i>
16:50 - 17:30	<b>Discussion and Task Force conclusions and recommendations on Topic 1 and 2</b>	<i>Anne Christine LE GALL</i>

## Wednesday 20 April 2016

<b>Topic 3: Experimental and modelling results of abiotic and biotic impacts of air pollution and climate change</b>		
<i>Chair: Maren Meyer-Grünefeldt</i>		
8:30 - 9:00	<b>KEYNOTE:</b> <b>Global change impacts on ecosystem functions – the importance of interactive effects</b>	<i>Werner HÄRDTLE, University of Lüneburg</i>
9:00 - 9:20	<i>Ecological indicators for increased nitrogen deposition in coastal heathlands</i>	<i>Alexandra BÄHRING</i>
9:20 - 9:40	<i>Combined effects of low-level N deposition and climate change on subalpine pastures</i>	<i>Seraina BASSIN</i>
9:40 – 10:00	<i>The Norwegian monitoring program for sub-alpine birch forests; Effects of air pollution and climate change on ground vegetation.</i>	<i>Vegar BAKKESTUEN</i>
10:00 - 10:20	<i>Chemical footprints of anthropogenic N deposition on soil eco-networks</i>	<i>Christian MULDER</i>
10:20 - 10:40	<b>Discussion</b>	
10:40 - 11:00	<b>Coffee break</b>	
11:00 - 11:20	<i>Exploring Coupled Dynamic Biogeochemical and Vegetation Models in Temperate Forest Ecosystems of the Eastern United States</i>	<i>Todd McDONNELL</i>

11:20 - 11:40	<i>New developments with PROFILE and ForSAFE; Calculating soil weathering rates along hill-slopes and estimating weathering in whole catchments relevant for streams. Dynamic modeling of weathering rates and long term average weathering values for critical loads</i>	<i>Harald SVERDRUP, Salim BELYAZID and Martin ERLANDSSON</i>
11:40 - 12:00	<i>Recent achievements of the ICP Vegetation</i>	<i>Harry HARMENS</i>
12:00 - 12:45	<b>Discussion and Task Force conclusions and recommendations on Topic 3</b>	<i>Anne-Christine LE GALL</i>
13:00 - 14:00	<b>Lunch<sup>1</sup></b>	
<p><i>Afternoon &amp; evening</i> <b>Social Event &amp; Dinner</b></p>		

### Thursday 21 April 2016

#### **Topic 4: Integrated assessment and Prospects of Effects-based policy support**

*Chair: Max Posch*

9:00 - 9:20	<i>Exceedance assessments using the 2015 database</i>	<i>Jean-Paul HETTELINGH</i>
9:20 - 9:50	<i>The LRTAP Convention Assessment Report 2016 and prospects of effects-based policy support</i>	<i>Rob MAAS</i>
9:50 - 10:10	<i>Integrated assessment and prospects of effects-based policy support</i>	<i>Till SPRANGER</i>
10:10 - 10:30	<b>Discussion</b>	
10:30 - 10:45	<b>Task Force conclusions and recommendations on Topic 4</b>	<i>Anne-Christine LE GALL</i>
10:45 - 11:00	<b>Coffee break and poster session</b>	

#### **Topic 5: Mapping Manual**

*Chair: Anne-Christine Le Gall*

11:00 - 11:20	<i>Status of the revised Mapping Manual and NFCs proposals for changes</i>	<i>Anne Christine LE GALL</i>
11:20 - 11:40	<i>Proposed updates of sections in Mapping Manual chapter V - Proposals of Swedish and Swiss Experts</i>	<i>Reto MEIER and Beat ACHERMAN</i>
11:40 - 12:00	<i>Proposal for updates for the weathering chapter in the Mapping Manual. Results and recommendations from a workshop in Ystad, Sweden</i>	<i>Harald SVERDRUP and Salim BELYAZID</i>
12:00 - 12:45	<b>Discussion</b>	
13:00 - 14:00	<b>Lunch<sup>1</sup></b>	
14:15 - 14:35	<i>Information on ongoing work to assess the term Nitrogen immobilization,</i>	<i>Angela SCHUTLOW and Hans-Dieter NAGEL</i>
14:35 - 14:55	<i>Nitrogen immobilization and nitrogen stocks in Swiss soils"</i>	<i>Beat RIHM</i>
14:55 - 15:30	<b>Discussion on Mapping Manual</b>	

15:30 - 15:45	<b>Task Force Conclusions and recommendations on Topic 5</b>	Anne-Christine LE GALL
15:45 - 16:15	<b>Coffee break and poster session</b>	
<b>Topic 6: Discussions (“training”) on practical issues of the call for data.</b>		
Moderators: Jaap Slootweg, Max Posch, Gert Jan Reinds		
16:15 - 16:30	Status	Jaap SLOOTWEG, Max POSCH, Gert Jan REINDS
16:30 - 17:30	Discussion / Interventions	

## Friday 22 April 2016

<b>Topic 7: ICP Progress under the LRTAP Convention and ICP M&amp;M work plan</b>		
Chair: Anne-Christine Le Gall		
9:00 - 9:20	<b>Task Force conclusions and recommendations on Topic 6</b> <i>Outstanding issues of other sessions</i>	Anne Christine LE GALL
9:20 - 9:40	<i>Representation of ICP-Waters future plans</i>	Salar VALINIA
9:40 - 10:00	<i>ICP-Forests reporting and highlights</i>	Tanja SANDERS
10:00-10:20	<i>Swedish NFC-progress in response to the Call for Data 2015-2017</i>	Filip MOLDAN
10:20 - 10:30	<i>Tour de Table on national progress in the field of effects-based policy support in general and ICP M&amp;M workplan issues in particular</i>	All NFCs or country representatives
10:30 - 11:00	<b>Coffee break and poster session</b>	
11:00 - 11:30	<i>Tour de Table ...continued</i>	All NFCs or country representatives
11:30 - 11:45	<i>M&amp;M 2016-2017 workplan issues and Proposed contributions to 2<sup>nd</sup> joint session of EMEP and WGE (Geneva, Sept. 2016)</i>	Anne-Christine LE GALL and Jean-Paul HETTELINGH
11:45 - 12:00	<b>Discussion</b>	
12:00 - 12:30	<b>Task Force Conclusions on topic 7; Draft ICP M&amp;M minutes of the 32<sup>nd</sup> TF M&amp;M;</b>	Anne- Christine LE GALL
12:30	<b>Adoption of the draft minutes and closure of the 26<sup>th</sup> CCE WS and 32<sup>nd</sup> ICP M&amp;M Task Force meeting</b>	Anne-Christine LE GALL

## *Posters*

(Poster sessions are combined with coffee breaks)

<i>Biodiversity related critical loads in Denmark</i>	<i>Jesper BAK</i>
<i>Emissions of amines from CO<sub>2</sub> capture plants. A study of long-term effects of amine (nitrogen) deposition on the Norwegian Atlantic bog ecosystem.</i>	<i>Vegar BAKKESTUEN</i>
<i>Advancement forward to implementation the approaches of LRTAP Convention in the Republic Crimea</i>	<i>Elena EVSTAFYEVA</i>
<i>Updates on mapping critical loads and model biodiversity indices on French forest ecosystems</i>	<i>Sebastian HAUNOLD, Simon RIZZETTO, Arnaud MANSAT, Anne PROBST</i>
<i>Bioscore 2 :A tool to assess the impacts of climate, land use and pressure factors on European biodiversity</i>	<i>Onno KNOL</i>
<i>Advancements in Critical Loads in the United States</i>	<i>Jennifer PHELAN (NADP-CLAD)</i>
<i>A New Tool for Presenting Critical Loads and Exceedance Information for US National Parks</i>	<i>US National Park Service c/o Jennifer PHELAN</i>
<i>USDA Forest Service Air Quality Portal for Land Management Planning: The application and use of critical loads for management and policy decisions</i>	<i>US Forest Service c/o Jennifer PHELAN</i>
<i>Exceedances of Critical Loads for S and N in relation to forest soil chemistry and biodiversity changes</i>	<i>Irena SKOŘEPOVÁ</i>
<i>Vegetation community change points suggest that critical loads for nutrient nitrogen deposition are too high.</i>	<i>Kayla WILKINS and Julian AHERNE</i>
<b>ALSO WELCOME:</b>	
<ul style="list-style-type: none"> <li>- <b><i>Non-registered last-minute Posters, e.g. addressing ecosystem effects of air pollution including interactions with other policies</i></b></li> <li>- <b><i>Posters to backup oral presentation</i></b></li> </ul>	