

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

25TH CCE WORKSHOP AND 31ST TASK FORCE MEETING
**on assessments of impacts of air pollution, and interactions with
climate change, biodiversity and ecosystem services**

Monday 20 – Thursday 23 April 2015

Zagreb, Croatia

Sponsored by:

Meteorological and Hydrological Service of Croatia
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

Monday, 20th April 2015

Opening of the 25th CCE workshop and 31st TF and Key Note Session

Chair: Sonja Vidic

8:00 - 8:30	Registration, coffee and mounting of posters	
8:30 - 8:45	Welcome	Croatian representative
8:45 - 9:00	Objectives of the workshop and Task Force	Anne-Christine Le Gall/ Max Posch
9:00 - 9:45	Keynote Session by Croatian colleagues	

Topic 1: Results of the Call for Data 2014-2015

Chair: Anne-Christine Le Gall

9:45 - 10:15	2014-2015 Call for Data results	Jaap Slootweg & Max Posch
10:15 - 10:35	Revised European Critical load Database	Max Posch
10:35- 11:00	Coffee break and Poster session in the presence of poster authors	
11:00-11:20	The PROPS Vegetation model: New Developments	Gert Jan Reinds
11:20-11:40	Critical Loads derived from the PROPS model	Maximilian Posch
11:40 - 12:30	Discussion	
	TF Conclusions and recommendations for on Topic 1	Anne-Christine Le Gall
12:30 - 14:00	Lunch	

Topic 2: National and NFC contributions to effect-based work under the Convention (call for data), ECLAIRE and other research programmes

Chair: Maximilian Posch (each presentation to be followed by 5 minutes of discussion !)

14:00 – 14:15 (+ 5)	[Deriving N & S Critical Load functions from thresholds set using empirical Critical Loads]	Ed Rowe
14:20 – 14:35 (+5)	Critical load assessment and potential links to sustainable habitat conservation	Thomas Scheuschner
14:40 - 14:55 (+5)	Predicting vegetation composition in French forests under two atmospheric deposition scenarios using two modelling approaches	Rizzetto S., Belyazid s., Gegout J.C., Kuhn E., Corcket E., Alard D., Nicolas M., Sverdrup H., Gaudio N., Probst A.
15:00 – 15:15 (+5)	Calculation of critical loads for Dutch Nature.	Arjen van Hinsberg, Gert Jan Reinds
15:20 - 15:35 (+5)	Nitrogen and Natura2000: Dutch approach for dealing with this challenge	Bas Clabbers et al.
15:40 – 16:00	Coffee break and Poster session	
16:00 – 16:15 (+5)	Comparison of methodologies to calculate critical loads at lakes in Norway and Sweden: choice of organisms to protect, choice of protection criteria and trade-offs between air pollution and forestry	Filip Moldan and Kari Austnes
16:20 - 16:35 (+5)	Effects of N-deposition on temporal changes in plant diversity in Swiss habitats	Lukas Kohli
16:40– 16:55 (+5)	New exposure-response relationships for nitrogen impacts on mycorrhiza and epiphytic lichens	Reto Meier
17:00-17:15	Nitrogen deposition and multi-dimensional plant diversity at	Tobias Roth

(+5)	<i>the landscape scale</i>	
17:20 - 17:35 (+5)	Overview of recent progress on critical loads in the U.S.: Focus on terrestrial herbs, lichen, and trees	Christopher Clark (<i>via internet conferencing</i>)
17:40 - 18:00	Discussion	

Tuesday, 21st April 2015

Topic 3: Common ICP M&M, ICP-Vegetation and FP7-ECLAIRE session: N-impacts on plant species diversity including interactions between N and O₃

Chair: Wilfried Winiwarter (until coffee break) / Harry Harmens (after coffee break)

8:30 - 8.50	[ECLAIRE policy scenarios describing effects of air pollution under future climate conditions: assumptions and results of cost-optimized GAINS model runs]	Wilfried Winiwarter et al.
8:50 - 9:20	Ozone and N interactions: from processes to ecosystems impacts	G. Mills, K. Sharps, <u>H.Harmens</u> , F.Hayes, P.Buker, L.Emberson
9:20 - 9:40	Conclusions regarding O ₃ xN interactive effects on soil C and N in subalpine grassland	Seraina Bassin
9:40 - 10:00	Ozone, nitrogen and climate effects on annual Mediterranean pastures biodiversity and structure	<u>I. Rabago</u> , V. Bermejo, H. Calvete, S. Elvira, J. Sanz, I. González, H. García, F. Valiño, R Alonso.
10:00 - 10:20	Impacts of changes in nitrogen deposition, ozone exposure and climate change on carbon sequestration of European forests	<u>Wim de Vries</u> , Maximilian Posch et al.
10:20 - 10:40	Progress towards predicting interactive effects of ozone and nitrogen pollution on ecosystems	Ed Rowe
10:40 - 11:10	Coffee break	
11:10 - 11:50	Critical loads of nitrogen for forest ecosystems in view of abiotic impacts, vegetation change and carbon sequestration...towards ECLAIRE consensus	<u>W. De Vries</u> , S. Braun, J.-P. Hettelingh, W. Winiwarter et al.
11:50 - 12:10	Recent progress on modeling critical loads based on biodiversity and effects on forest ecology using the ForSAFE-VEG model	Harald Sverdrup
12:10 - 12.30	Combined effects of nitrogen deposition and climate change on plant species diversity in Europe	Gert Jan Reinds et al.
12:30 - 14:00	Lunch	
14.00 - 15.00	Discussion and Task Force Conclusions and recommendations on Topic 3	Chair : Anne-Christine Le Gall
Afternoon & evening	Social Event & Dinner	Our host offers a guided tour around Zagreb of 2.5-3 h and a dinner starting at 20.00

Wednesday, 22nd April 2015

Topic 4: Status of collaboration under LRTAP Convention

Chair: Anne Christine Le Gall

9:00 - 9:30	A trend report with contributions from all ICPS and the Task Force on Health, currently entitled: "Trends in ecosystem and health responses to (reductions in) long-range transported pollutants"	Heleen de Wit
9:30 - 9:45	Status of the LRTAP-Convention Assessment report	Anne-Christine Le Gall
9:45 - 10.00	ICP-W	Heleen de Wit

10:00 - 10:15	ICP-V	Harry Harmens, Gina Mills
10:15 - 10:30	JEG, ICP IM	Filip Moldan
10:30 - 10.45	Discussion	
10:45 - 11:15	Coffee break and Poster session	
11:15 - 11:40	Status of the revised Mapping Manual	Anne-Christine Le Gall et al.
11:40 - 12:30	Discussion on <ul style="list-style-type: none"> • Trends report (see also Workshop package) • Assessment report • Mapping manual 	
12:30 - 13:00	Task Force Conclusions and recommendations on Topic 4	Chair : Anne-Christine Le Gall
13:00 - 14:00	Lunch	
<p>Topic 5: Training Session on (1) modelling and mapping issues and (2) AERIUS: the Programmatic (Integrated) Approach for Nitrogen (PAN) in the Netherlands</p> <p>Moderator: Jaap Slootweg et al. (CCE and Alterra)</p>		
14:00 - 14:15	Introduction	Jaap Slootweg et al.
14:15 - 15:30	Interactive discussions with NFCs on call for data software (incl. VSD-PROPS) and CCE/NFC issues	Jaap Slootweg et al.
15:30 - 16:00	Coffee break	
16:00 - 17:00	The calculation tool AERIUS for the Programmatic (Integrated) Approach for Nitrogen (PAN) in the Netherlands	To Be Confirmed

Thursday 23rd April 2015

<p>Topic 6: ICP M&M workplan</p> <p>Chair: Anne Christine Le Gall</p>		
9:00 - 9:20	Summary of training session findings	Jaap Slootweg & Max Posch
9:20 - 9:30	Task Force Conclusions and recommendations on Topic 5	Chair : Anne-Christine Le Gall
9:30 - 10:30	News from the LRTAP Convention [As in previous years, the Tour the Table is replaced by your contribution in writing, e.g. addressing (1) NFC progress in relation to the call for data, (2) envisaged capacity for 2015-2016, (3) NFC planed work in the coming years]	
10:30 - 10:50	Coffee break	
10:50 - 12:30	Draft ICP M&M contributions to WGE meeting technical document(s) for 33rd WGE session (Geneva, Sept. 2015) Future meetings Adoption of the draft minutes of the meeting. Closure of the CCE WS and ICP M&M Task Force meeting	
12:30 - 14:00	Lunch	

Posters

(Poster sessions are combined with coffee breaks)

<i>Ground vegetation composition change in beech forest and highland grasslands of Eastern Serbia (in relation to atmospheric depositions, soil properties, temperatures and precipitation amounts)</i>	<i>Jelena Beloica</i>
<i>Overview of the results of the 2014-2015 call for data</i>	<i>Coordination Centre for Effects</i>
<i>Plant species diversity changes in forests of the Czech Republic in the last 15 years</i>	<i>Irena Skořepová</i>
<i>Critical Loads and Dynamic Risk Assessments: Nitrogen, Acidity and Metals in Terrestrial and Aquatic Ecosystems (Springer, Environmental Pollution Series, volume 25, in press)</i>	<i>Wim de Vries, Jean-Paul Hettelingh, Maximilian Posch (eds.)</i>
<i>To be confirmed</i>	
<i>Carry-on Posters (without announcement) are also invited !</i>	