

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

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

**Draft Agenda**

**21<sup>ST</sup> CCE WORKSHOP AND 27<sup>TH</sup> TASK FORCE MEETING**  
on the evaluation of air pollution impacts on ecosystems  
in a multiple issues – multiple effects context  
*Monday 18 – Thursday 21 April 2011*

**Bilthoven, The Netherlands**

Sponsored by:  
Dutch Ministry of Infrastructure and the Environment,  
Coordination Centre for Effects (CCE) at RIVM, The Netherlands.  
INERIS, France.



## Monday, 18 April 2011

### ***Welcome and opening***

*Chair: Jean-Paul Hettelingh*

8:00	Pick up from hotels	<i>Smoortax /Tomorrow's events</i>
9:00-9:20	Registration, coffee and preparation of posters	<i>CCE, INERIS in collaboration with Tomorrow's events</i>
9:20-9:30	Welcome speech	<i>Dr. Reinout Woittiez, Director of the Division for Environment and Safety at RIVM</i>
9:30-9:40	Objectives of the CCE workshop and of the Task Force of the ICP Modelling and Mapping Adoption of 2010 TF minutes.	<i>Jean-Paul Hettelingh (CCE) and Anne-Christine Le Gall, chair of the Task Force on Modelling and Mapping (ICP M&amp;M)</i>
9:40-10:00	Status of scenario analysis in support of the revision of the Gothenburg protocol	<i>Rob Maas, chair of the Task Force on Integrated Assessment Modelling (TFIAM)</i>

### ***Topic 1: Results of the ICP-M&M/CCE call for data issued in 2010***

*Chair: Max Posch*

10:00-10:45	Call for data results: <ul style="list-style-type: none"><li>• Revised <i>computed</i> and <i>empirical</i> critical loads</li><li>• Results of VSD-VEG application</li><li>• Results of NFC-Habitat expert collaboration</li></ul>	<i>Jaap Slootweg</i>
10:45-11:00	<b>Discussion</b>	
11:00-11:15	<b>Coffee break and poster session</b>	
11:15-11:35	Running ForSafe-Veg and VSD+Veg on French forest sites: discussion on outputs	<i>Carole Obeidy, Anne Probst et al.</i>
11:35-11:55	Comparison of measured and modelled data of N deposition in Spain	<i>Isaura Rabago</i>
11:55-12:15	Preliminary U.S. assessments of SSMB critical loads forests and surface waters and empirical critical loads for nutrient N using two approaches	<i>Linda Pardo</i>
12:15-12:30	<b>Discussion</b> Conclusions and recommendations of the Task Force on Topic 1	<i>CCE and NFCs</i> <i>Anne-Christine Le Gall</i>
12:30-14:00	<b>Lunch</b>	

## **Topic 2: Assessing a change of biodiversity ?**

**Key words: Nitrogen deposition and critical loads, Targets for biodiversity, Data, Convention LRTAP objectives, Indicators, Dynamic modelling, Ecosystem services and options for European (LRTAP) scale regionalized applications ...**

*Chair: Jean-Paul Hettelingh*

14:00-14:45	<b>KEY NOTE SPEECH</b>	<b>Dr. Ken Thompson</b> <i>(Author (2010) of "Do we need Pandas: The uncomfortable truth about biodiversity", <a href="http://www.greenbooks.co.uk">www.greenbooks.co.uk</a>, ISBN 978 1 900322 86 7)</i>
14:45-15:00	<b>Discussion</b>	
15:00-15:20	Vegetation change due to N deposition in the UK as identified by new analysis of eight national surveillance datasets	<i>Bridget Emmett</i>
15:20-15:40	<b>Coffee break and poster session</b>	
15:40-16:00	Plants species diversity indicators for impacts of nitrogen and acidity and methods for their simulation	<i>Han van Dobben</i>
16:00-16:20	Productivity stimulation: predicting effects on dune species using N14C-MultiMOVE	<i>Ed Rowe</i>
16:20-16:40	Modelling plant species occurrence based on empirical soil data for Europe with PROPS/MOVE	<i>Wieger Wamelink</i>
16:40-17:00	Using ForSafe-VEG and VSD-VEG for mapping critical loads, recent developments of the tools for European terrestrial ecosystems.	<i>Salim Belyazid and Harald Sverdrup</i>
17:00-17:20	Application of the VSD-VEG model; issues for regionalization	<i>Gert Jan Reinds, Luc Bonten and Max Posch</i>
17:20-17:50	<b>Discussion:</b> <i>Key words: "targets" for [ the change of ] plant species diversity in Europe; choice of indicators; regionalization &amp; EUNIS;</i>	
17:50-18:00	Wrap up and preliminary recommendations of TF on Topic 2	<i>Anne-Christine Le Gall</i>
18:00	<b>Adjourn and transportation to hotels</b>	

## Tuesday, 19th April 2011 (Task Force M&M)

### **Topic 2: Continued...**

*Chair: Jean-Paul Hettelingh*

9:00-9:30	Impacts of changes in climate, nitrogen deposition, ozone and carbon dioxide exposure on carbon sequestration in European forests	<i>Wim de Vries</i>
9:30- 9:50	The use of critical loads in biodiversity modelling	<i>Arjen van Hinsberg</i>
9:50-10:40	Final discussion on Topic 2. Recommendations of the Task Force on Topic 2	<i>Anne-Christine Le Gall</i>
10:40-11:00	Project for the evaluation of N critical loads in waters	<i>Anne-Christine Le Gall</i>
11:00-11:30	<b>Coffee Break and Poster session</b>	

### **Topic 3: Collaboration with modelling and mapping activities in the USA**

*Chair: Anne-Christine Le-Gall*

11:30-11:45	Application of PROFILE for the estimation of base cation weathering in Pennsylvania state	<i>Jennifer Phelan</i>
11:45-11:55	Mapping critical loads in the United States, the critical loads for terrestrial ecosystems in Pennsylvania USA	<i>Harald Sverdrup, Salim Belyazid, Jennifer Phelan</i>
11:55-12:05	Testing ForSAFE-VEG for alpine and mountainous regions of western and central USA	<i>Harald Sverdrup, Salim Belyazid, Tim Sullivan</i>
12:05-12:15	FOCUS Project Phase II: Tentative future workplan for Modelling and Mapping of critical loads in the USA".	<i>Linda Pardo</i>
12:15-13:30	<b>Lunch</b>	

### **Topic 4: Issues to be anticipated for future workplans of the ICP M&M**

*Chair: Anne-Christine Le Gall*

13:30-13:50	Issues from the LRTAP Convention - Long term strategy, workplan	<i>Isaura Rabago (vice-chair of the Working Group on Effects)</i>
15:50-14:20	2010-2011 common workplan items: (i) Further use of the guidelines, (ii) Comparison of activities across continents (N-America, W-Europe, EECCA, Asia) (iii) Analysis of effects- outside of the	<i>Anne-Christine Le Gall, Jean-Paul Hettelingh</i>

GAINS model - of emission reduction  
scenarios considered for the revision of  
the Gothenburg Protocol (“ex-post  
assessment”)

14:20-15:00	2011-2012 ICP M&M Workplan items NFC tour de table over recent and future activities, including outreach	<i>All</i>
15:45-16:00	Recommendations of the Task Force on Topic 4	<i>Chair : Anne-Christine Le Gall</i>
<b>15:30-16:00</b>	<b>Coffee Break and Poster session</b>	
16:00-23:00	<b>ICP M&amp;M Excursion – Conference dinner</b>	

## Wednesday, 20<sup>th</sup> April 2011

### **Topic 5: Current WGE contribution to the GP revision**

*Chair: Anne-Christine Le Gall*

9:00-9:20	WGE reporting on analysis of the baseline and MTR scenarios	<i>Anne-Christine Le Gall</i>
9:20-9:40	Status of ICP M&M reporting to the TFIAM	<i>Max Posch, Jean-Paul Hettelingh</i>
9:40-10:00	Input ICP Vegetation to analysis of the baseline and MTR scenarios and validation	<i>Harry Harmens, chair of the ICP Vegetation</i>
10:00-10:20	Discussion: What does the ex-post contributions of the ICPs show?	<i>All</i>
10:20-10:50	Recommendations of the Task Force Impacts of ozone on food security and other recent and future activities of the ICP Vegetation	<i>Harry Harmens (ICP –V)</i>
10:50-11:10	Information on activities of the ICP-Waters	<i>Berit Kvaeven (chair ICP-waters)</i>
11:10-11:20	<b>Coffee Break and Poster session</b>	
11:20-11:50	Revision of the Gothenburg protocol: Annex 1 on Critical loads and levels and “guidance document on recovery of ecosystems and on environmental and health improvements”	<i>Jean-Paul Hettelingh, Anne-Christine Le Gall</i>
11:50-12:00	Recommendations of the Task Force on Topic 5	
12:00-14:00	<b>Lunch</b>	

### **Topic 6: Training session for dynamic models: e.g. VSD+-VEG and/or For Safe-VEG users**

*Moderators: Max Posch, Jaap Slootweg, Gert Jan Reinds, Luc Bonten, Salim Belyazid*

14:00-15:30	Training session for dynamic modelers users (part 1)	<i>VSD+-VEG operators Forsafe-VEG operators</i>
15:30-16:00	<b>Coffee Break and Poster session</b>	
16:00-18:00	Training session for dynamic modelers users (part 2)	<i>VSD+-VEG operators Forsafe-VEG operators</i>
18:00	<b>Transportation to hotels</b>	

**Posters including NFC contributions to the call for data**

(Posters can be viewed throughout the meeting)

<i>Critical loads in Ireland</i>	<i>Julian Aherne</i>
<i>Critical loads in Canada</i>	<i>Julian Aherne</i>
<i>Uncertainty in critical load exceedance</i>	<i>Julian Aherne</i>
<i>Modelling and Mapping Critical Loads in the United States – CLAD’s “FOCUS Pilot Study”</i>	<i>Tamara Blett, Richard Haeuber, Jason Lynch, Linda Pardo, Richard Pouyat, Tom Moore</i>
<i>Provision of accurate results in case of limited datasets by using GIS</i>	<i>Borislava Borisova</i>
<i>Progress with the modelling and mapping of critical loads in Moldova</i>	<i>Ala Cojocar</i>
<i>[Title to be submitted – Portugal]</i>	<i>Teresa Dias</i>
<i>Comparing EMEP and moss nitrogen deposition estimates in calculation of critical load exceedances for the case of Slovenia</i>	<i>Klemen Eler</i>
<i>Improved data about exceedances of critical loads for heavy metals for terrestrial ecosystems on the territory of the Crimean peninsula</i>	<i>Helena Evstafyeva</i>
<i>Critical loads of nutrient nitrogen on N2K sites: present and predicted exceedances.</i>	<i>Arnaud Mansat et al.</i>
<i>Prospective works of the "SRI Atmosphere" on calculation of critical loads for terrestrial ecosystems in Russia</i>	<i>Daria Simonova</i>
<i>Updated empirical critical loads for N in forests and meadow areas in the Czech Republic</i>	<i>Irena Skorepova</i>
<i>Progress with the modelling and mapping of critical loads in Belarus</i>	<i>Vadzim Zubrytski</i>
<i>Summary of results of CCE call for data</i>	<i>CCE</i>

**Posters invited !**

## Thursday 21<sup>st</sup> April 2011

### **Topic 6: Continued**

*Chair: Anne-Christine Le Gall*

9:00 – 10:00 Conclusions and recommendations following the training session *Max Posch and Jaap Slootweg*  
Discussion and Recommendation of the Task Force on Topic 6

### **Topic 7: Inputs to the 30<sup>th</sup> session of WGE and wrap-up of meeting**

*Chair: Anne-Christine Le Gall*

10:00-10:20 Draft ICP M&M contributions to WGE meeting  
Technical documents for 30<sup>th</sup> WGE session, CCE  
Status/Progress Report

10:20-10:30 Future meetings *Anne-Christine Le Gall*

10:30-10:45 **Coffee Break and Poster session** *Jean-Paul Hettelingh*

10:45-12:20 Adoption of the draft minutes of the meeting

12:20-12:30 Announcement of the venue in 2011  
Closure of the 21<sup>st</sup> CCE and 27<sup>th</sup> TF-meeting

12:30-13:30 **Lunch**

13:30 **Transportation to Utrecht Central Station**