

## 40<sup>th</sup> ICP M&M TF meeting & 31<sup>st</sup> CCE workshop, April 2024 in Oslo

Our 40<sup>th</sup> Modelling and Mapping Task Force meeting, together with the 31<sup>st</sup> Coordination Centre for Effects (CCE) workshop were held in Oslo (Norway) from 23<sup>rd</sup> to 25<sup>th</sup> of April 2024. It gathered 42 delegates at the most, from 23 countries representing 19 parties to the Convention, and including representatives of the Convention intergovernmental bodies, expert groups and scientific centers (WGE Bureau, ICP Forests, ICP Integrated Monitoring, ICP Vegetation and ICP Waters, the CIAM and MSC-W). Several experts presented their recent progress in the field of critical loads (CL) and other ICPs were invited to present the state of play of their work. The meeting allowed ICP M&M community to be informed on the progress of activities of CCE, including the update of the European receptor map, and the consecutive works on CL contributing to the mapping of atmospheric pollution risks towards biodiversity and the revision of the Gothenburg protocol (e.g. interlinking CLempN with the new European receptor map, mapping critical levels of ammonia with the new receptor map, update of the background database including EECCA countries). The CCE also presented the updates of the “mapping manual” relating to these topics. Besides this reporting on ongoing activities within the biennial 2024-2025 workplan, other topics were tackled during the meeting, including workplans for updating data towards revision of the Gothenburg Protocol and the possibility to develop outreach activities, such as an e-learning course on effect related activities.



➤ [2024 annual report on activities including the meeting proceedings available at the CCE website](#)

Any question? @ [alice.james@ineris.fr](mailto:alice.james@ineris.fr) @ [cce@uba.de](mailto:cce@uba.de) @ [cdm@ivl.se](mailto:cdm@ivl.se)

## Past and upcoming meetings

03/2024	EMEP SB/WGE Extended Bureaux meeting
04/2024	ICP M&M TF meeting and CCE workshop in Oslo
05/2024	ICP IM in Prague ( <a href="#">meeting website</a> )
06/2024	ICP Forest in Prague ( <a href="#">website</a> )
08/2024	5 <sup>th</sup> CDM meeting
09/2024	10th Joint EMEP SB/WGE meeting in Geneva
02-03/2025	41st ICP M&M TF, 32nd CCE and 6th CDM workshop

## Next Call for Data 2024/25

CCE and CDM are preparing a new Call for Data (CfD) within which :

- the CCE plans to ask the NFCs to **update their Steady State/SMB Critical Loads for terrestrial and freshwater ecosystems in combination with empirical Critical Loads**
- the CDM plans to **define dynamic modelling indicators** for the protection of biodiversity and to obtain **modelling outputs of recovery and restauration**

The planned CfD was discussed and agreed at the ICP M&M TF meeting and CCE workshop in Oslo in April 2024. CCE will present a specific proposal for the Call for Data at the 10th joint meeting of EMEP/WGE in Geneva in September 2024.

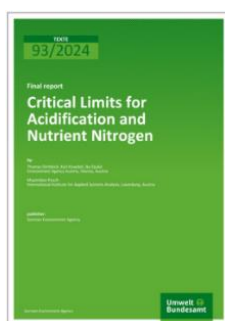
The publication of the call is planned for October/November 2024.

Any question? @ [cce@uba.de](mailto:cce@uba.de) or [cdm@ivl.se](mailto:cdm@ivl.se)

## Publications

### ➤ Brochure about empirical Critical Loads

After the presentation during the 40<sup>th</sup> ICP M&M Task Force Meeting and the 31<sup>st</sup> CCE Workshop from April 23 - 25, 2024 in Oslo (NO), the highly anticipated brochure: “Empirical Critical Loads of nitrogen for Europe” is now available. The publication has been completed and will also be available as a printed handout and distributed to interested participants at the next meetings with CCE participation.



### ➤ Final report on critical limits for acidification and nutrient nitrogen

This report summarized the results of a project carried out by the Environment Agency Austria which was coordinated by the CCE. The project focused on the derivation of chemical critical limits which are used in the simple mass balance method to derive critical load. It shows the update potential of different parts of the SMB equations.

Both publications are available on the CCE website: [Further CCE Reports | Umweltbundesamt](#)

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## e-learning effects related activities

The development of the E-learning tool for effects and related activities represents workplan item 1.3.9 for the Convention. The UNECE Secretariat applied for funding from the Federal Environment Ministry's Advisory Assistance Program, which is administered by the German UBA. The funds were approved, and the project officially started in April 2024. UBA takes on a dual role in this project, namely head of the CCE and technical project manager of UBA. Regular meetings with, for example, the WGE ICPs, EMEP TFs and the WGE chair are intended to contribute to the appropriate and consistent communication of content by acting as a discussion platform. The roadmap with the most important steps is the following:

- **September 2024** Final structure, content texts and resources for each module (in form of text files) to be presented at the EMEP/WGE meeting
- **March 2025** Presentation of a draft version of the course in the software at the EMEP/WGE Extended Bureaux meeting
- **March-April 2025** Test phase by ICPs and TFH as well as other invited testers, also from EECCA and Western Balkan countries
- **September 2025** Launch of the course at the EMEP/WGE Joint meeting in September 2025

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# Newsletter of the ICP Modelling and Mapping (M&M) of the Convention on Long-Range Transboundary Air Pollution - July 2024

Issued by CCE, CDM and ICP M&M Chair



## What's next in CCE's agenda? – Tasks

In accordance with the workplan 2024/2025, the CCE is currently focusing on:

- **Processing of the information on empirical critical loads (CLempN)** retrieved by NFC via the latest call for data (CfD) from 10<sup>th</sup> February 2023 (expanded after request till May 2024). CCE has already prepared a modified version of the CLempN table for use. **Please visit the [CCE website](#) to download this table and consult the slightly updated instructions (update will be available in the coming days).** The proposed deadline for the data delivery is the end of March 2025.
- **Mapping the exceedance of critical levels of NH<sub>3</sub>.** This map product is based on the new receptor map and the reviewed critical levels for ammonia. Both, the map and a report on the review of the critical levels, have been published by the CCE in 2023. An interested group of participants where further steps were discussed met for an online workshop on 5<sup>th</sup> June 2024. The aim is to finalize the map product by the end of 2024.
- **Updating policy relevant critical load data sets including CLempN** and find ways to use these to assess risks of biodiversity loss on large geographic scales.

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## What's next in CDM's agenda? – 5<sup>th</sup> CDM meeting in Copenhagen

In a context where CDM is to deliver instructions for the current Call for Data regarding Dynamic Modelling (DM) indicators for protection of biodiversity and DM outputs of recovery and restoration (Workplan item 1.1.1.20), CDM gathers its experts in Copenhagen (Denmark) end of August, from 26<sup>th</sup> to 28<sup>th</sup>. The input of CDM to the current Gothenburg protocol revision process and the definition of DM indicators for the call for data are the two main topics for the workshop which plans some presentations, and a substantial part of time dedicated to discussions.

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