

# Newsletter of the ICP Modelling and Mapping (M&M) of the Convention on Long-Range Transboundary Air Pollution (2022/01)

Issued by CCE, CDM and ICP M&M Chair



## Happy New Year 2021 dear Colleagues and Friends!

The discussions on the Gothenburg protocol brought up some fruitful cooperation in 2021 as we are heading to the review in the coming year, which will be a new step in the CLRTAP history. Besides that, at its own level, ICP M&M level also count on a number of progress and successes. This newsletter contains a brief review of these as well as an outlook on the upcoming tasks and events for 2022.

We wish you a wonderful year full of success and happiness, and in good health !

## Recent activities of the ICP since August 2021

- 08/2021 ICP M&M contributed to [WGE extended information in view of Gothenburg Protocol review](#)
- 09/2021 CCE, CDM and ICP M&M Chair attended Joint WGE & EMEP annual meeting (online)
- 10/2021 Workshop on the review and revision of empirical Critical Loads (Bern, Switzerland & hybrid)

## ⚠ Save the date 38<sup>th</sup> ICP M&M TF meeting 3 – 5 May 2022 ⚠

You should have received an invitation to reserve a date in your agendas for our **2022 Task Force and centers meeting** which will be held between **3 and 5 May 2022** (if not, please contact us!). Despite the ongoing pandemic, we will organize a hybrid meeting in Stockholm at the Swedish EPA. We hope that as many as possible will have the opportunity to travel to Stockholm, but there will also be a possibility to participate via link.

Any question? @ [alice.james@ineris.fr](mailto:alice.james@ineris.fr)

## Review and Revision of Empirical Critical Loads for Nitrogen for natural and semi-natural ecosystems (2019-2022)

The review and revision of the empirical critical loads for nitrogen has been an essential part of the CCE's work, since it started with a virtual Kick-off Meeting in June 2020. Since then, more than 40 experts have worked on the topic, together with Roland Bobbink as a consultant for CCE, and coordinated by the CCE itself. A workshop was organized in Bern (Switzerland) from **26 to 28 October 2021**, to discuss the new scientific findings and establish new proposals in a revised version of the previous report (Bobbink et al., 2011). The background document will be finalized in the coming weeks to incorporate the comments of the workshop participants. The publication of the new report is planned for summer 2022. We will inform you as soon as the report is available!

Any question? @ [cce@uba.de](mailto:cce@uba.de)

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## Expert Workshop on Ammonia

More than ten years after the recommendation of updated CLRTAP critical levels for ammonia ([Mapping Manual](#)) new findings on the effects of ammonia on vegetation will be discussed in a workshop prepared by the CCE and Germany. Furthermore, the workshop offers the opportunity to exchange information on national or regional programs which have been set up for the monitoring of ammonia in sensitive habitats. The expert workshop is planned to be held on 28 – 29 March 2022 as a hybrid meeting. The option for a physical attendance is in Dessau, Germany, where the German Environment Agency (UBA) is situated. Online participation will be offered in parallel. Please check [CCE website News section](#) for further information on registration and the draft agenda.

Any question? [@ cce@uba.de](mailto:cce@uba.de)

## New project: Update of the harmonized land cover map

The CCE launched a project to update the existing European Land Cover Map described in Cinderby et al. (2007) and in Slootweg et al. (2009). In this new project, the map will be updated based on the latest available land cover data. In addition, it is planned to extend the map, which currently covers geographical Europe, to the region of EECCA countries. The project started in December 2021 and will run until summer 2023. The project is coordinated by the CCE and its contractor for this task is [Earth Observation Solutions and Services \(EOSS\) GmbH](#).

Any question? [@ cce@uba.de](mailto:cce@uba.de)

## Upcoming CDM meeting

The meeting will be held in Sitges Spain, **April 6 – 8** with an option to participate over web-link or as a virtual meeting altogether, if necessary. Modeling the effects of air pollution on ecosystems has a great potential to quantify the damage to ecosystems and to demonstrate the potential for improvement. Our long-term goal is to provide the Convention with science-based, politically viable arguments for further cuts in air pollution. The meeting will be aimed at information sharing about the latest scientific achievements and on formulating our strategy on modelling, not the least of the effects of air pollution on biodiversity. Please save the date, more information is forthcoming.

Any question? [@ cdm@ivl.se](mailto:cdm@ivl.se)