

Happy New Year 2024 dear colleagues and friends!

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

2024 is a year of new goals, projects and collaborations. This newsletter contains a brief review of our highlights in the second half of 2023 and a look ahead to the upcoming tasks for 2024.

News from the cooperative work under the CLRTAP since August 2023

- 09/2023 CCE, CDM and ICP M&M Chair attended the joint meeting of EMEP Steering Body and Working Group on Effects (WGE) in Geneva/Switzerland. All documents related to the meeting can be found on the meetings [website](#) of the UNECE (including the [9th draft Joint report of EMEP Steering Body and Working Group on Effects](#) and the [ICP M&M 2023 report](#)). Among other things, the [draft 2024-2025 workplan](#) had been finalized at that meeting.
- 12/2023 The Executive Body of the CLRTAP decided at its 43rd Session in December 2023, to commence negotiations to revise the Gothenburg Protocol in order to address the conclusions of the report on the review of the Protocol. All decisions of the EB meeting can be accessed at the [EB43 meetings webpage](#).

40th ICP M&M TF meeting & 31st CCE workshop, 23rd – 25th April 2024, Oslo (N)

In January 2024 you received an invitation to reserve a date in your agenda for our 2024 ICP M&M Task Force and CCE meeting which will be held from Tuesday 23rd until Thursday 25th April 2024. The meeting will be held in Oslo (Norway), hosted by the Norwegian Institute for Water Research with the support of the Norwegian Ministry of Climate and Environment and the Norwegian Environment Agency. Further information and the registration form for the meeting are available on the [UNECE webpage](#). This meeting is planned as an in-person meeting, so we hope that as many of you as possible will be able to travel to Oslo. If this is not the case, please contact us.

Any question? @ cce@uba.de

5th CDM workshop in 2024

This year the CDM meeting and workshop will be organized separately from the ICP M&M meeting and CCE workshop. The agenda will focus on preparing the coming Call for Data, the part of the Call which will focus on using modelled biodiversity change to set critical loads for nitrogen and for acidity. The time and place for the workshop have not been confirmed yet, but the current proposal is end of summer/early fall in Denmark.

Any question? @ cdm@ivl.se

Report on new European Receptor Map published in November 2023

The European Receptor Map, which is an important basis for the calculation of critical loads in Europe, was compiled under the leadership of the CCE as a project carried out by [EOSS GmbH](#) between the end of 2021 and 2023. The new map product represents the land cover in 217 EUNIS classes. The spatial extent of the map covers a large number of countries in Europe, the Caucasus and Central Asia. In addition to the individual, national application of the data set, a broader use of the data is planned within the framework of the Convention on Long-Range Transboundary Air Pollution.

The report describing the new European Receptor Map was published in November 2023 and can be [downloaded here](#) at the homepage of the German Environment Agency. Map data has already been shared with interested NFCs, ICPs and further scientists. NFCs interested in receiving map data for their own country are welcome to contact the CCE.

Any question? @ cce@uba.de

Next Call for Data 2024

CCE and CDM are currently preparing a new Call for Data. Within this Call for Data:

- the CCE plans to ask the NFCs to update their SMB Critical Loads in combination with empirical Critical Loads
- the CDM intends to define dynamic modelling indicators for the protection of biodiversity and to obtain modelling outputs of recovery and restoration

The planned Call for Data will be discussed at the next CCE workshop in Oslo in April 2024 and at the planned CDM workshop. Afterwards, we will present a specific proposal for the Call for Data at the 10th joint meeting of EMEP/WGE in Geneva in September. The publication of the call is planned for October/November 2024.

Any question? @ cce@uba.de or cdm@ivl.se

Current and upcoming tasks in 2024

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 CfD from 10th February 2023. 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 2024.
- A brochure on CLempN is in preparation. The aim of this brochure is to illustrate CLempN and their habitats for the general public.
- Mapping the exceedance of critical levels of NH₃. This map product will be 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.
- Updating policy relevant critical load data sets including CLempN and find ways to use these to assess risks of biodiversity loss on large geographic scale.