

German Environment Agency

ICP Modelling and Mapping meeting April 2021 (37th TF, 28th CCE,
2nd CDM)

Gothenburg Protocol review

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Tasks and questions to be answered

QUESTION N° 2.2 PREPARATORY DOCUMENT

- relating to changes in exceedance of critical loads for acidification and eutrophication since last decades and projected changes
- referred to in section “D. Measured and modelled atmospheric concentrations and deposition levels” of the core text.

QUESTION N° 2.8 PREPARATORY DOCUMENT

- relating to expected impacts of new scientific findings on environmental and health effects assessments, e.g. on critical loads, critical levels of ozone, PM, NO₂ and NH₃, dynamic modelling of ecosystem recovery, interactions between air pollution, climate change, nitrogen fluxes and other stress factors for biodiversity
- referred to in section “E. Measured and modelled effects on natural ecosystems, materials and crops and assessment of human health effects” of the core text.

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Now

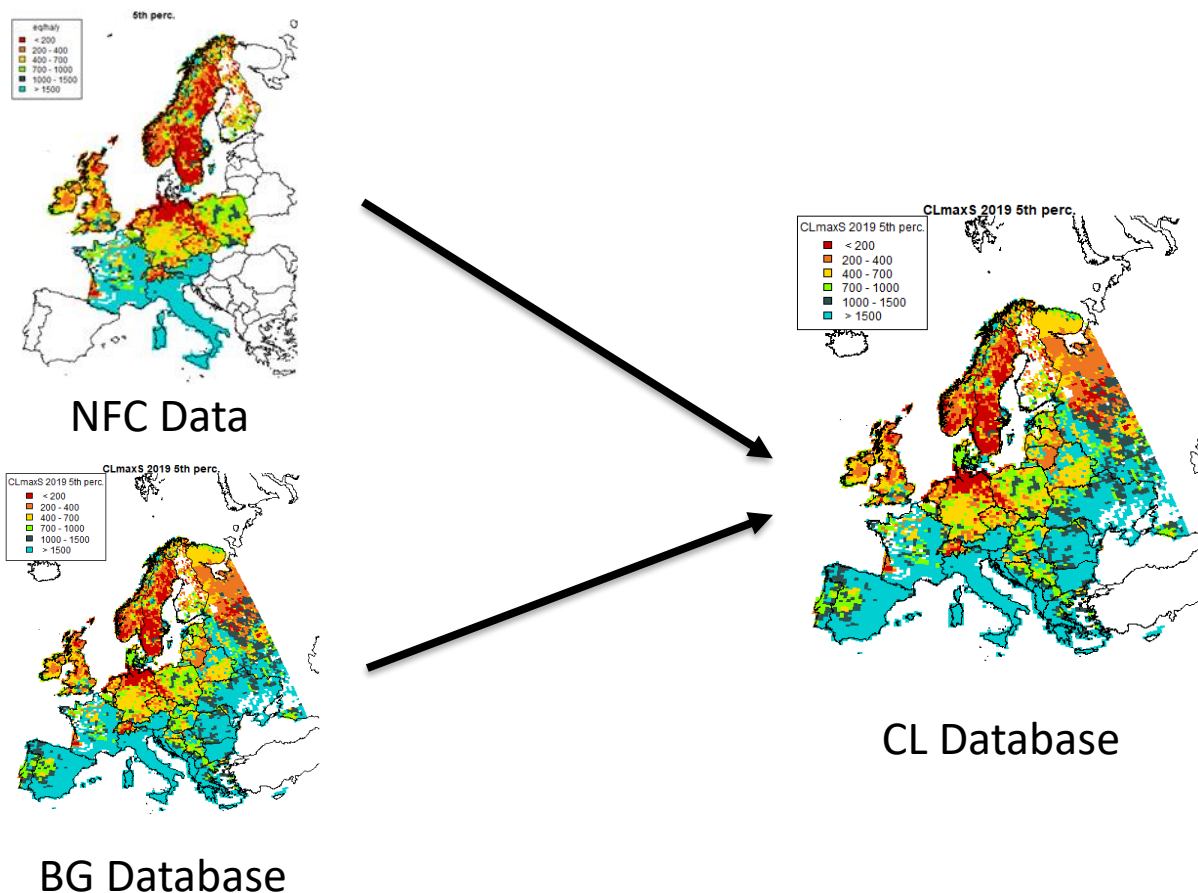
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Tomorrow

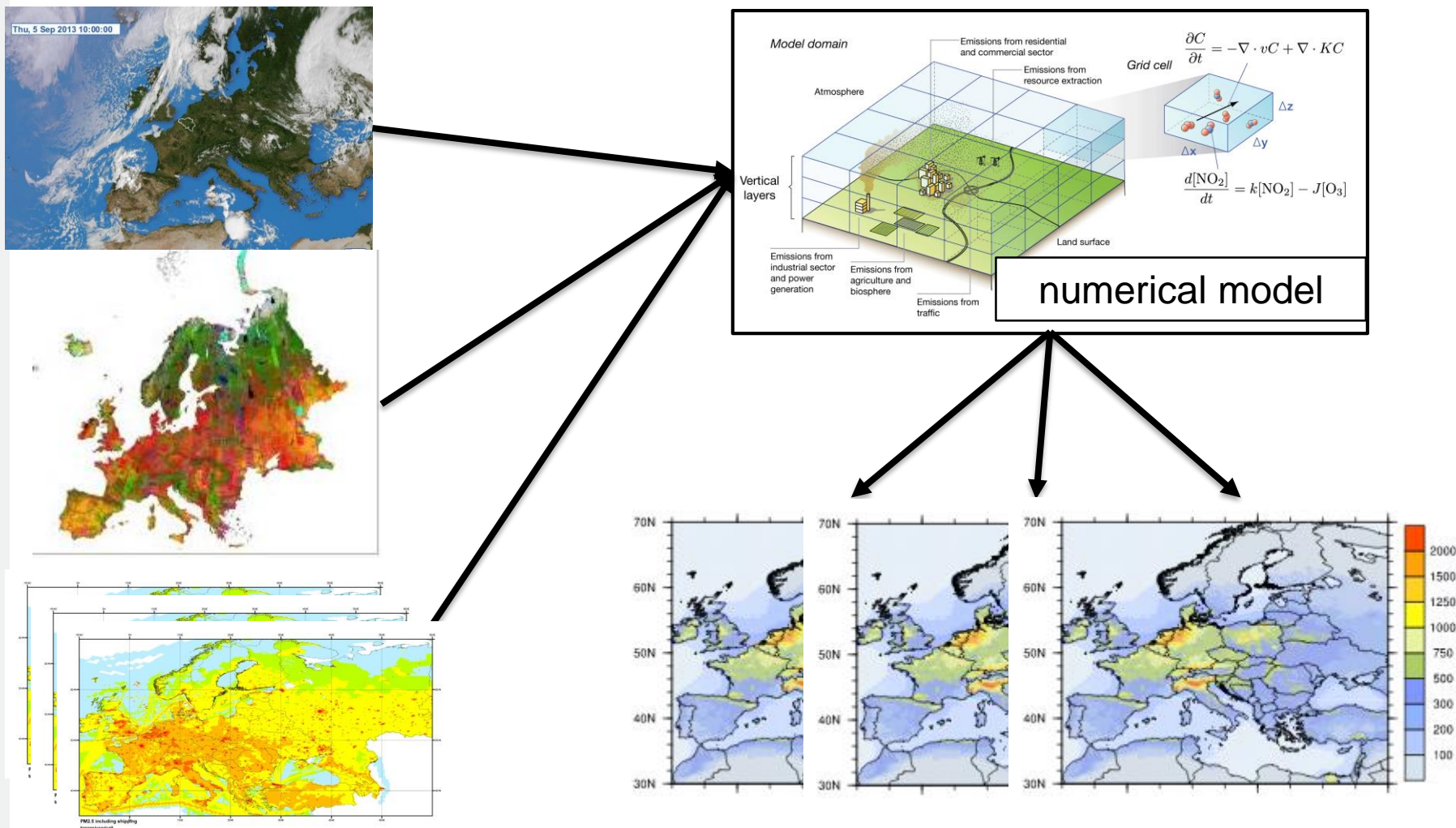
CCE risk calculations, cooperation with EMEP

WORKFLOW – PREPARE THE CL



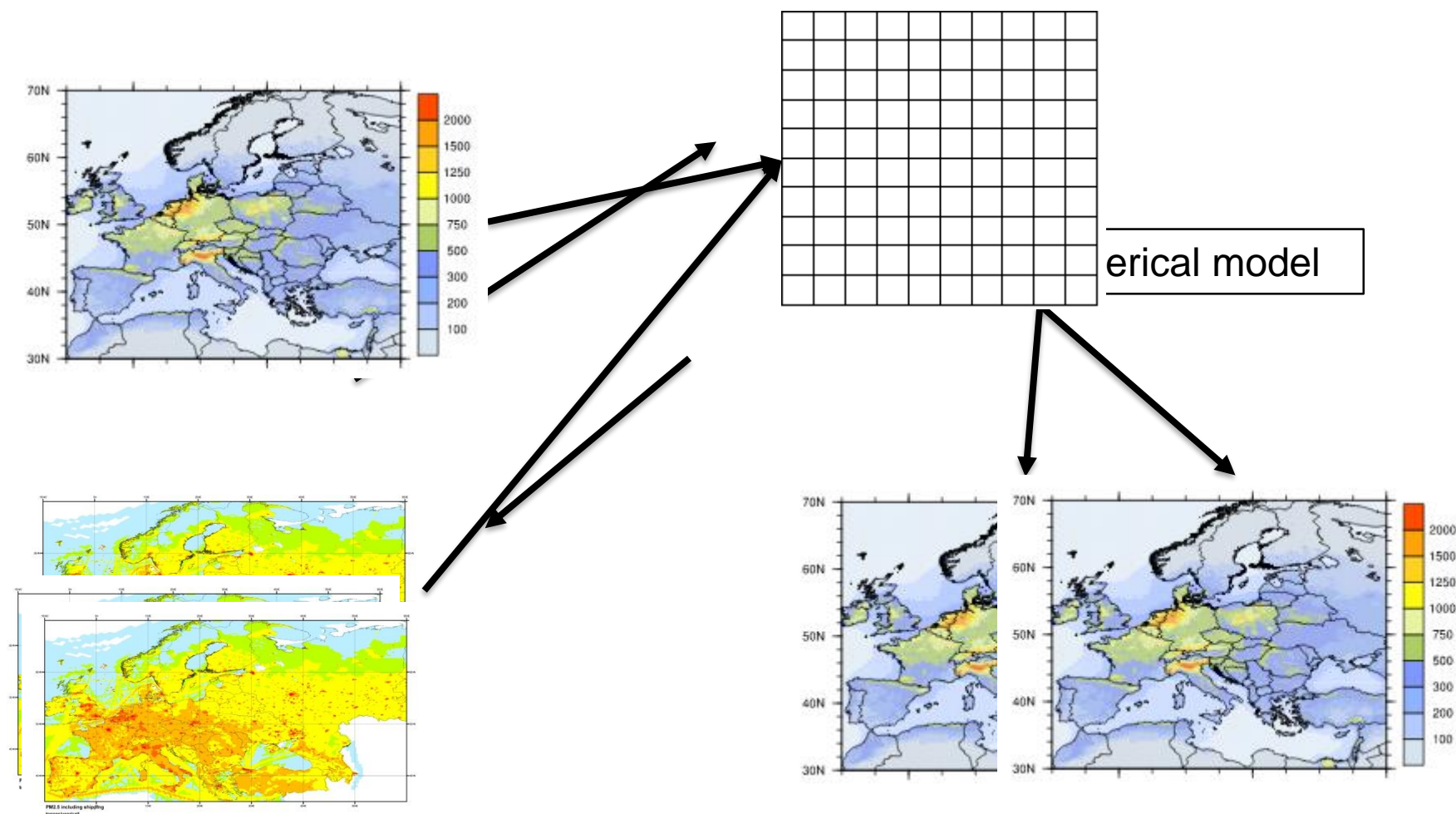
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WORKFLOW – PREPARE THE DEPOSITION DATA #1

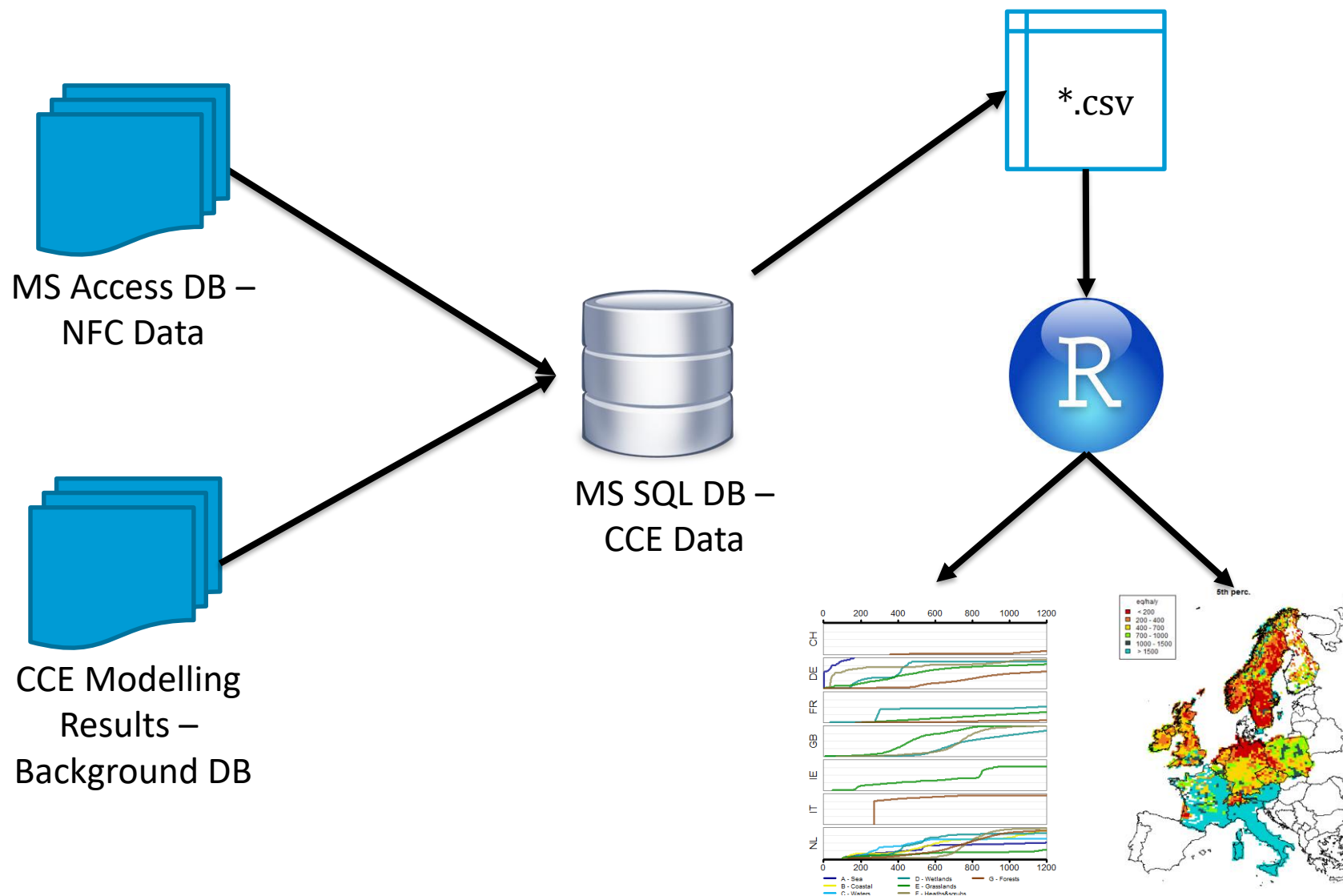


CCE risk calculations, cooperation with EMEP

WORKFLOW – PREPARE THE DEPOSITION DATA #2



CCE - Workflow:



Timing within the next month and cooperation with other bodies

PREPARATORY MEETING

- 23 March 2021
- WGE Chair, CEIP, MSC-West, CCE
- Coordination of workflow on emission data, deposition data and exceedance data
- Decided years 2000 – 2019
- MSC-West can earliest provide Deposition data by beginning / mid August
- The discussion on projections and historic data wasn't finalized
 - INFO*: currently a scientific

Draft text sent to the GPG Group

CCE will perform exceedance calculation for critical loads for acidification and eutrophication in the perspective of the GP review process.

It is anticipated to use an updated critical load database, but any updates need to be discussed firstly with National Focal Centers via a Call for data, that ends 31 March 2021 and at the TF Meeting of ICP Modelling & Mapping 20-22 April 2021. Updates may comprise updated national submissions and critical loads calculated with the newly updated background database of CCE. As a first step, differences between the critical load dataset used for the current review and the critical load dataset that had been used in GAINS since the last update in 2017 is foreseen. Any comparison with old critical load data depends on the availability and documentation of such data in GAINS and may be done in close cooperation with CIAM .

The second step will be the calculation of exceedances based on deposition data provided by MSC-West, CEIP, MSC-West and CCE. This work still needs to be coordinated for data timing specification and availability until September 2021. Its purpose is the comparison of exceedance calculation between years 2000 and 2019.

**Thank you for your
attention**

