

# Participant Call October 13, 2022

Participants: Christian Hogrefe, Aura Lupascu, Richard Kranenburg, Rohit Mathur, Jesse Bash, Olivia Clifton, Paul Makar

## Grid intercomparison (Activity 1)

- Participant updates on reruns, postprocessing, data upload, and analysis
  - Richard: started post-processing of reruns, hopes to start uploading the first part over the weekend, will keep Stefano informed about uploads
  - Aura: no updates on data - everything is complete
  - Ummugulsum email update: "Please be informed that postprocessing still continues. I am expecting to start to upload the outputs by next week."
  - Holly and Chris email update: "The runs for 2010 and 2016 have finished. I am currently working on regridding and converting units for all the required variables. Once complete, I will begin the process of creating the properly formatted upload files. We currently anticipate the files will be ready for upload in November, hopefully by the next status meeting."
  - Roberto email update: "We have started the post-processing for NA-2010 and next week we expect to start to upload files with the results"
  - Iannis prepared initial analyses of currently-uploaded gridded fields and submitted an abstract to ITM. Christian shared examples of Iannis' plots with the group and call participants expressed an interest in obtaining all plots so they could have a closer look themselves. Following the call, Christian discussed this with Stefano and Iannis who are o.k. with sharing all of these plots, with the understanding that Iannis is leading this work and will work towards a manuscript (and ITM preprint and presentation), so participants should not duplicate this work in their own analysis and coordinate with Iannis instead. All plots have been uploaded to the JRC sftp site used for data uploads, in a new folder aqmeii4/results/20220919. In these plots, "D1" indicates results for all monitors in domain1, "U1" indicates results for all urban monitors in domain1, "R1" indicates results for all rural monitors in domain1, "D2" indicates results for all monitors in domain2, etc. The four subdomains for each continent follow Figure 1 in Solazzo et al. (2012), a copy of that figure is included in the folder. The same folder also contains a copy of Paul's recent WMO MMF-GTAD committee presentation noted below.
  - Stefano informed the group by email that the new public server with the uploaded AQMEII4 ENSEMBLE data can be reached at <https://jeodpp.jrc.ec.europa.eu/ftp/jrc-opendata/ENSEMBLE/data/model-data/>

## Point intercomparison (Activity 2)

- Activity 2 call held September 27. For details, see [call notes](#)
- Olivia is waiting for two final sets of simulations (ECCC and York), these should be submitted soon. All other datasets are final and look good. Discussion on different data completeness for different models (use of different inputs).

## ITM abstracts

- ITM will take place May 22 - 26, 2023 in Chapel Hill, NC, USA
- Paul submitted an abstract on ensemble comparisons of acidifying deposition in Europe and North America in AQMEII4
- Iannis and Stefano submitted an abstract on the ensemble analysis and evaluation of concentrations, meteorology, and wet deposition
- Olivia submitted an abstract on the point intercomparison
- Jesse submitted an abstract on STAGE development using AQMEII4 observational datasets
- Kiran submitted an abstract on testing a new scheme for aerodynamic resistance calculations in the AQMEII4 CMAQ setup

#### Recent WMO meetings

- Measurement-Model Fusion Science Symposium September 19 - 21 (no AQMEII-specific presentations, but presentations by Laurens, Lisa, and Jesse) and October 6 MMF-GTAD committee meeting (AQMEII4 overview and initial results by Paul)
- Paul shared highlights of the presentation given at the MMF-GTAD committee meeting

Next call November 10, 9:00 EST / 15:00 CET