

Participant Call January 19, 2023

Participants: Stefano Galmarini, Rohit Mathur, Christian Hogrefe, Jesse Bash, Ummugulsum Alyuz, Olivia Clifton, Jon Pleim

Grid intercomparison (Activity 1)

- Participant updates on reruns, postprocessing, data upload, and analysis
 - Richard (via email): Re-processed and uploaded wet deposition fluxes, NH₃ dry deposition, and LU-specific dry deposition diagnostics. All uploads are complete.
 - Ummugulsum: Working on post-processing grid-scale dry deposition diagnostics (012 - 122), a few LU-specific parameters. After the meeting, will start to upload the met fields (005).
 - Paul (via email):

"We met with the Critical Load data providers, discussed data formats for annual sulphur and nitrogen deposition, and uploaded annual total for the portion of the AQMEII4 grids that are held in common by all models to a GoogleDrive for the CL data people to pick up. We are still waiting for all uploads to finish before generating the ensemble averages in the two domains ... It would be nice to have a hard estimate on when to expect the missing files, if there are still some to come – we can't look at the ensemble deposition ecosystem impacts without all the members."
 - The screening plots Christian prepared for the December meeting (maps, seasonal and diurnal cycles) are still in "results" folder on the sftp site, in a new subdirectory "20221207". The plots will be revised once all expected data are received. In the meantime, comments are welcome.
- **Deadline for all remaining file uploads: February 15, 2023**
- All new files are still on the sftp server until a batch transfer will occur - recently there was a problem with disk space on the sftp server, but the quota was increased and things are currently o.k.

Point intercomparison (Activity 2)

- An Activity 2 call was held January 3 and call notes have been posted to the github site. The next call will be held on February 5. Olivia noted that the revised overview manuscript was sent out to all co-authors in early January, feedback is requested by January 30. Lisa Emberson has now provided DO3SE results which had not yet been included in the plots of the manuscript that was shared but will be added soon.
- Olivia met with a PhD student at the University of Wisconsin to develop a plan for building upon the initial Activity 2 analyses for the third chapter of her dissertation and will present this plan at the next Activity 2 call.

Conferences/Meetings

- Olivia presented Activity 2 results at last week's AMS workshop and Christian provided an AQMEII4 status update to the MICS-Asia community at their December 22-23, 2022 virtual workshop.

Special Issue

- The manuscript analyzing the CMAQ M3Dry and STAGE simulations contributed by the EPA group to Activity 1 has been accepted as a discussion paper in the AQMEII4 special issue (<https://acp.copernicus.org/preprints/acp-2023-10/>).

Next Call

- The next call will be on Thursday February 16.