

Participant Call February 13, 2020

Participants: Donna Schwede, Paul Makar, Richard Kranenburg, Christian Hogrefe, Aura Lupascu, Rohit Mathur, Ana Ascenso, Jon Pleim, Chris Holmes

Agenda:

- Status updates from annual regional-scale grid modeling participants (activity 1)
 - Paul: "about to push the button" for the GEM-MACH runs, got the system set up to make sure all requested outputs are being generated; may do more than one simulation to see impact of model updates / sensitivities; probably will start this weekend; expects that simulating 1 year will take about 5-6 days when the simulation is broken up into chunks
 - Richard: started LOTOS-EUROS runs last week, will start looking at results for first half year early next week, running smoothly so far
 - Aura: Started WRF-Chem simulation for EU and completed 2 months so far. Yesterday starting running WRF-Chem for NA domain. 1 year takes about 22-23 days to complete.
 - Ana: group is performing meteorological simulations after recently changing the modeling domain. Expect CHIMERE simulations to take about 1 month.
 - Christian: CMAQ simulations for 2016 with the M3DRY dry deposition option are finished, simulations with the STAGE dry deposition option are ongoing.
- Summary of updated FAQ document for activity 1
 - Paul provided a summary of new questions 8 – 12 and their answers. Please see the updated FAQ at https://github.com/AQMEII4/Activity-1-AQMEII-style-runs/blob/master/OverarchingDocuments/AQMEII4%20FAQ%20version%205_20200213.pdf
- Updates on coordination on generation of critical load database between Canada, U.S., and EU
 - no updates
- Status update on single-hour regional-scale grid modeling (activity 2)
 - Organize workgroup meeting with Chris, Paul, Stefano, Roberto, Christian, Jon
 - To produce all necessary micro-meteorological LU-dependent variables under the idealized meteorological conditions, do participants need to run the met model with these idealized meteorological conditions first?
- Status update on box model intercomparison (activity 3)
 - Donna / box modeling steering group will send out status update email soon, will be addressed to all AQMEII4 groups
 - Have collected observational data sets at several field study sites
 - Have set up site at EPA to host observational data and box model output
 - Will start series of calls with participants soon
- Next call: March 5 at 9:00 EST / 14:00 GMT / 15:00 CET