Participant Call December 16, 2021

Participants: Paul Makar, Richard Kranenburg, Christian Hogrefe, Jesse Bash, Aura Lupascu, Olivia Clifton, Saurabh Kumar, Ummugulsum Alyuz Ozdemir, Roberto San Jose, Rohit Mathur, Jon Pleim, Chris Holmes

- Grid intercomparison (Activity 1)
    - Participant updates on postprocessing, data upload, and analysis
        - Aura: will revisit wet and dry deposition fields early next year since the existing fields differ significantly from those submitted by other groups
        - Richard: creating grid-scale deposition diagnostic fields (cases 012 - 122)
        - Ummugulsum:
            - CMAQ: 2009 will finish over the weekend, post-processing continues. Currently working on meteorology post-processing. Will start 2010 CMAQ run on Monday
            - WRF-Chem: setup continues, runs haven't started yet.
        - Roberto: all uploads have finished, focusing on point intercomparison now
    - Screening plots to check for spatial and seasonal patterns, data ranges
        - Christian continues to download new/updated files as they are uploaded by groups and create screening plots
    - Receptor processing tool - email sent by Stefano on June 3, 2021:
        - Code and observational data were initially posted in early June - see email sent by Stefano on June 3 and June call minutes. The code and data are available to participants.
        - Christian finished processing concentration, meteorology, and wet deposition fields for NA domain and has uploaded the extracted data files to the JRC sftp site. Some of the data has already been transferred to the ENSEMBLE server where it resides along the gridded .ens.bz2 files provided by all groups, the remaining files will be transferred from the sftp server to the ENSEMBLE server in the near future. Extractions for AIRBASE and EMEP (Europe) are ongoing and should be completed before Christmas
    - Paul presented an initial model-to-model comparison of wet and dry deposition fields over NA and EU.

- Point intercomparison (Activity 2)
    - Olivia started to analyze the point model simulations submitted by participants. This includes a comparison of Vd against observations and also a comparison of the effective conductance terms through diurnal plots and seasonal cycles
    - Olivia plans to expand the point intercomparison technical note into a more substantive analysis paper
        - Olivia will need detailed model descriptions and input parameter settings (if not specified in the driving datasets) from participants

    - Modelers were asked to rerun Harvard Forest due to an omission of LAI in January / February in the driving dataset
    - Three additional groups (Kirsti Ashworth, Lisa Emberson, Laurens Ganzefeld) are planning to participate in the point intercomparison activity (not part of the grid model intercomparison activity)

- Next call January 13, 9:00 EST / 15:00 CET