Participant Call December 10, 2020

Participants: Donna Schwede, Stefano Galmarini, Paul Makar, Jesse Bash, Christian Hogrefe, Rohit Mathur, Olivia Clifton, Jon Pleim, Roberto San Jose

- Grid intercomparison (Activity 1)
  - Postprocessing and data upload
    - Following the discussion during last month's call, Roberto Bianconi prepared and on November 17 posted zip files with fixed gridded src files that corrected unit errors for DFLX-*-O3, DFLX-*-H2O2, and DFLX-*-HCHO:
      - https://github.com/AQMEII4/Activity-1-AQMEII-style-runs
    - ECCC and EPA have prepared ENSEMBLE files for some of their model runs and successfully tested file uploads to JRC sftp server
      - Christian shared a schematic overview of the process, this schematic is included on the last page of these minutes
      - Both ECCC and EPA noted that a full year's worth of the requested enform files take up about 150GB – 175GB of space for the gridded cases for the NA domain and take about 4-6 hours to upload to the JRC sftp server
      - Due to potential space constraints on the JRC sftp server, groups planning to perform a data upload should email other groups as well as Roberto Bianconi and Stefano to avoid competing for space. Any constraints are expected to be temporary since files are regularly transferred from the JRC sftp server to the ENSEMBLE system and then deleted from the JRC sftp server (see schematic on the last page of these minutes)
    - Groups should also archive raw model output and files processed through enform on their own systems
    - TSDs, .src, and .cf files for receptor cases are still being developed
      - Expect updates by the end of the year
      - Paul to follow up with Roberto Bianconi on resolving any outstanding Canadian obs
  - Reminders:
    - Groups working on post-processing need to contact Stefano to obtain the following required information:
      - a model code to be used for enform and enform_aqr postprocessing
      - Login credentials for the JRC sftp server
      - Login credentials for the ENSEMBLE platform
  - Participant status updates and questions
    - Paul: working on enform processing and uploads; finished 2010 and 2016 base case; then work on Zhang; final set early next year
    - Christian: uploaded data for all 4 years to JRC sftp server; need to reprocess a few resistance fields
  - Recent feedback from groups who had not fully decided on participating
    - Ranjeet Sokhi: recruited two postdocs and still plans to perform CMAQ simulations early next year
    - Marta Garcia Vivanco: still hopes to perform CHIMERE simulations
    - David Simpson will not participate in grid modeling, but maybe point intercomparison

- - - Decide on setting a deadline once data uploads from additional groups (besides ECCC and EPA) have taken place, hopefully early next year
- Point intercomparison (Activity 3)
  - Call was held on Tuesday November 17. At the request of participants, the planning group is working on documentation of data quality at different sites so that modelers can follow a common approach when using the data for their analysis. Also fixed some errors in the observations. This information will be incorporated into the Activity 3 technical note. Next call scheduled for January 12 and will include observationalists. Many observationalists have expressed an interest to be included in the data analysis, inviting them to the call can help start this process.
- Technical notes for ACP Special Issue:
  - Work is progressing on technical notes for the grid and point intercomparisons with the goal of submitting these technical notes in February 2021.
    - Point intercomparison technical note was sent to the Activity 3 planning committee (Paul, Lisa, Chris, Donna, Johannes, Olivia, Sam)
      - Chris Holmes is working on the description of the modeling part
      - Olivia is describing the datasets, currently working on documenting any potential assumptions made in the data
      - Sam Silva is working on developing guidance on data quality and which data points to include or exclude from the analysis
      - Stefano - can this go to steering committee? Doesn't need to be totally complete
        - Goal: share around January 15
    - Stefano prepared draft of Activity 1 technical note, Olivia and Christian provided edits, draft is now with Paul.
      - Wait for Paul's edits and subsequent revisions before sending to steering committee - goal for Paul: ~December 18

- Next call January 14, 2021, 9:00 EST / 15:00 CET