AQMEII4 Activity 3 Participant Call April 21, 2020

Participants:

Christian Hogrefe, Chris Holmes, Roberto San Jose, Kiran Alapaty, Olivia Clifton, Jon Pleim, Andreas Uppstu, Paul Makar, Johannes Flemming, Donna Schwede

- Updates to data site
    - Donna shared updates to data site - GoAnywhere is used for Activity 3. Instructions are provided in the Overarching Document. Participants need to register following these instructions.
    - Datasets from all eight sites have been consolidated into a single csv file each
    - Fortran wrapper code and run script have been prepared to read the data and pass it to the box model subroutine
    - Participants can use this code and wrapper or write their own code
    - Roberto: Should each group run their own box model? Answer: yes, ideally each group should run their box model. However, if participants cannot run it but can provide the code, someone from the steering group may be able to help and/or run it for the participants
    - Kiran: does the data come with any plots or is it raw data? Answer: at this point it is all raw observational data, no plots or analysis
- Site vegetation table
    - Paul and Olivia are working on finalizing table documenting all met variables, site, soil, and vegetation characteristics for each site. Information will be available on github site as well as GoAnywhere and shared via email
    - Participants please review and suggest additional information that is needed
- Other modeling variables (Description document Table 1)
    - What additional variables (if any) are needed by your model? Donna is asking for responses within ~1 month. No concerns raised during the call.
- Photosynthetically based models
    - Kiran asked if any other photosynthetically-based deposition schemes are already participating to avoid duplication. Answer: to answer the question, prepare short paragraph describing the scheme. Multiple schemes with different implementations of that approach would be valuable.
    - DOSE model (Lisa Emberson) is one photosynthetically-based model that will be run
- Timing
    - Johannes: what is the overall time frame? Results later in the summer, early fall
    - Runs will probably be an iterative process as we sort through the data

- Christian: this would also align with the timeline of the overall AQMEII4 activity, including the grid modeling activities
- Roberto: expected output format for box model results? Answer: the expected variables are listed in Table 2, the format is ASCII / csv, an example is provided in the Fortran wrapper code.