

AQMEII-4 Activity 3 Participant Call – April 27, 2021

1. Technical note
 - a. Draft currently with observationalists - asked for comments by Friday 4/30
 - b. Next is agency review - EPA, PNNL, ECCC
 - c. Activity 1 TN was submitted a couple of weeks ago and is awaiting assignment
2. Data issues
 - a. Johannes - latest version of csv file (Sam created these)
 - i. Second line that had units has been deleted which is not great
 - ii. Missing data values are not consistent
 - iii. Vd's are now cm/s which doesn't agree with metadata - which do we want?
 - iv. Plot of old and new data - little difference; large negative values still included - this is consistent with filtering of extreme values; but outliers don't seem to have been filtered out? – Is this a Go Anywhere issue or data issue? - Sam will look at
 - b. Wrapper still needs to be updated
3. Modeling updates
 - a. None
4. Aerosols
 - a. We have moved away from consideration of doing comparisons - based on what is in technical note
 - b. Group felt that we should focus on gas phase
 - c. Uncertain what we could add beyond current papers
 - i. Could focus on the influence of land cover types
 - ii. Implementation of schemes that are reported the same but may be different
 - d. To what extent does Activity 1 cover it?
 - i. Not output in diagnostics; but speciated and grid scale fluxes include aerosols
5. Sensitivity tests
 - a. Option for using driving data from 3-d models (get Chris' input on this); didn't put this in technical note because it wouldn't be standardized across models
 - i. Have we asked the 3-d modelers for this? Will it be in the archive? We should make sure
 - ii. We would need to ask activity 1 participants to extract the needed values for the sites
 - iii. Chris H will get list to Christian/Paul by next month
 - b. Meteorology tests
 - i. Table in technical note - changes the range of some variables to get more response
 - c. Update wrapper for sensitivity tests