2/21/2019

WRAP Representative Baseline and Future Fire Scenarios (RBFFS) Working Group

Meeting Notes

Agenda

Welcome, Roll Call, Agenda Review, and Note-Taking – Sara

Sara Strachan

Mark Fitch

Matt Mavko

Tom Moore

Tina Suarez-Murias

Ryan Templeton

Farren Herron-Thorpe

Rhonda Payne

Kristen Martin

Molly Birnbaum

Pat Brewer

**Review and Discuss Scope Document (Matt)**

* Link to scope document: <https://drive.google.com/open?id=1CGcH4WzO2Cx88u8be8V1yXtsd41Z6ZXP>
* Matt reviewed the scope for the working group
  + FSWG has produced a 2014 base year fire inventory for regional haze
  + RBFFS needs to develop 1) a baseline period emissions platform (~ 5 year period) and 2) future fire scenarios
  + Baseline inventory and future scenarios need to be developed in concert for ease of methodology and production
  + Need to examine plume rise methods and see how they have changed since last round of RH modeling
    - Briggs
    - DEASCO/WRAP
    - Univ. of Utah method (mentioned by Mark Fitch)
  + Tina: is future fire emissions both Rx and wildfire?
    - Matt: depends on questions being asked, what are goals for FF scenario analyses
  + Tina: assuming FF year is 2028, would we use this to adjust glide path?
    - Tom: emissions are endpoint which will be input into modeling
  + Ryan: is there a limit on # of scenarios we can ask modelers to run?
    - Tom: we can debate this. Some ideas…
      * More Rx
      * More wildfire (due to climate change)
      * Overhead to run 3x vs. 2x is not much
* Matt showed chart of burnable vs. burned area
  + How much do we need to increase Rx in order to reduce burnable area to make an impact?
  + The difference might be too large to be a realistic scenario
  + Need to look at these questions in the literature
* Pat: patterns of fire activity need to match 2014 meteorology
  + Matt: could look at fire Wx for that year
  + Pat: multi-year baseline activity data with single year meteorology
  + Tom: meteorology will be held constant in modeling, emissions will be varied

**Roundtable: How do people plan to participate in working group? (Matt)**

* Tom: emphasized that Matt can do all the work and we can just respond and provide guidance OR people can make their own contributions
* Tina: can ask about PFIRS Rx data and reviewing
* Mark: would like to be active on all 3 points of scope
* Kristen: can help with Rx and reviewing
* Ryan: mainly reviewing but will ask his fire group for volunteers
* Molly: interested in methodology and climate change issues, not sure how much time available
* Pat: help with #2 future scenarios and methods
* Farren: can be active in #1 and #3, baseline Rx especially
* Sara: methods in literature and spatial analysis for spatial/temporal activity allocation

**Wrap up and Action Items (Sara and all)**

* + March 6 (1 pm MT) – next call
    - Meetings to be help fortnightly for the forseeable future
  + Project Timeline:
    - Matt: should do baseline and future in parallel
    - Tom: baseline inventory due in June, FF scenario *ideas* due by June, *inventory* due in September
  + ACTION ITEMS
    - Link to working group folder: <https://drive.google.com/drive/folders/1hS_rI1XdLeFvnRH7uy2UYyH7U9nwE1xv?usp=sharing> (if clicking the link takes you to a page that says “Unsupported Browser”, just copy and paste the link instead. Should work.)
    - Matt and other members will add literature and documents to this folder for all to access.