10/29/2018

WRAP Fire and Smoke Workgroup

Meeting Notes

Agenda

1. Welcome, Roll Call, Agenda Review, and Note-Taking – Sara/Josh

Sara Strachan

Josh Hall

Mary Uhl

Kirk Baker

Joel Karmazyn

Matt Mavko

Tina Suarez-Murias

Frank Forsgren

Elias Toon

Paul Corrigan

Tom Moore

1. Status report on 2014 FNEI evaluations and potential solutions – Matt (attached)

* Reviewed Powerpoint summary of feedback on 2014 FNEI
* Discussed solutions
* 12 of 15 WRAP states provided feedback; 7 had major comments
* 3 major issues became clear; Matt distilled in Summary of Issues table

1. Urban LULC Class Fuel Loading
   1. Arizona, Montana, and Wyoming flagged this issue
   2. First steps to address issue would be to summarize the proportion of the total NEI that is Urban class (Is it a significant portion? What % of total emissions? What proportion WF/Rx/Ag? What proportion Nat/Anth? What categories of data sources?) **ACTION ITEM**
2. Ag fires submitted by states not included in NEI
   1. Idaho, Hawaii, and Arizona flagged this issue
   2. Part of the problem is that in 2014 NEI v1, EPA moved all event data into non-point category
   3. One option to address issue is to take a hybrid approach – remove EPA data for states that submitted and replace, all other states remain with default data. This would require the inventory to be point.
   4. We could ask the modelers if point vs. nonpoint will make a difference in output.
   5. Could consider the distance to Class 1 areas.
3. Timing/magnitude issues with Rx burning; general concerns with HMS detections
   1. Montana, Idaho, Arizona, Utah, Wyoming, and Hawaii flagged this issue
   2. Summarize HMS-only burns. **ACTION ITEM**
   3. Are HMS-only burns always overestimated?
   4. Could remove all or some HMS detections. Would need individual consultations with states to decide which.
4. Evaluate PM speciation and determine diurnal profile and plume rise approach
   1. Overall FNEI issue
   2. Consult with modeling team. **ACTION ITEM**
5. Approach for areas without feedback
   1. Targeted 2nd round of feedback?
   2. Matt working with Oregon
6. FSWG Progress Report preparation for TSC / WG Co-Chairs Workplan meeting of Dec. 4-6 – Tom

* Next call needs to focus on preparing status report for TSC/WG Co-chairs Workplan meeting

1. Next steps / next call – Sara/Josh

* November 29, 2018, 2 pm MT