2014 NEI – Wildland Fire Methodology Improvements

Sim Larkin
U.S. Forest Service AirFire Team

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EPA Headquarters

Specific improvements

- Emissions factors
  - Propose Urbanski 2014 (builds off previous summaries)
- Better fire location reconciliation
  - Three Main Tranches
    1. Polygon data
    2. Good point location data
    3. Inaccurate point location data but bounded by other location (e.g. within a forest)
  - Reconciled and used preferentially

Questions

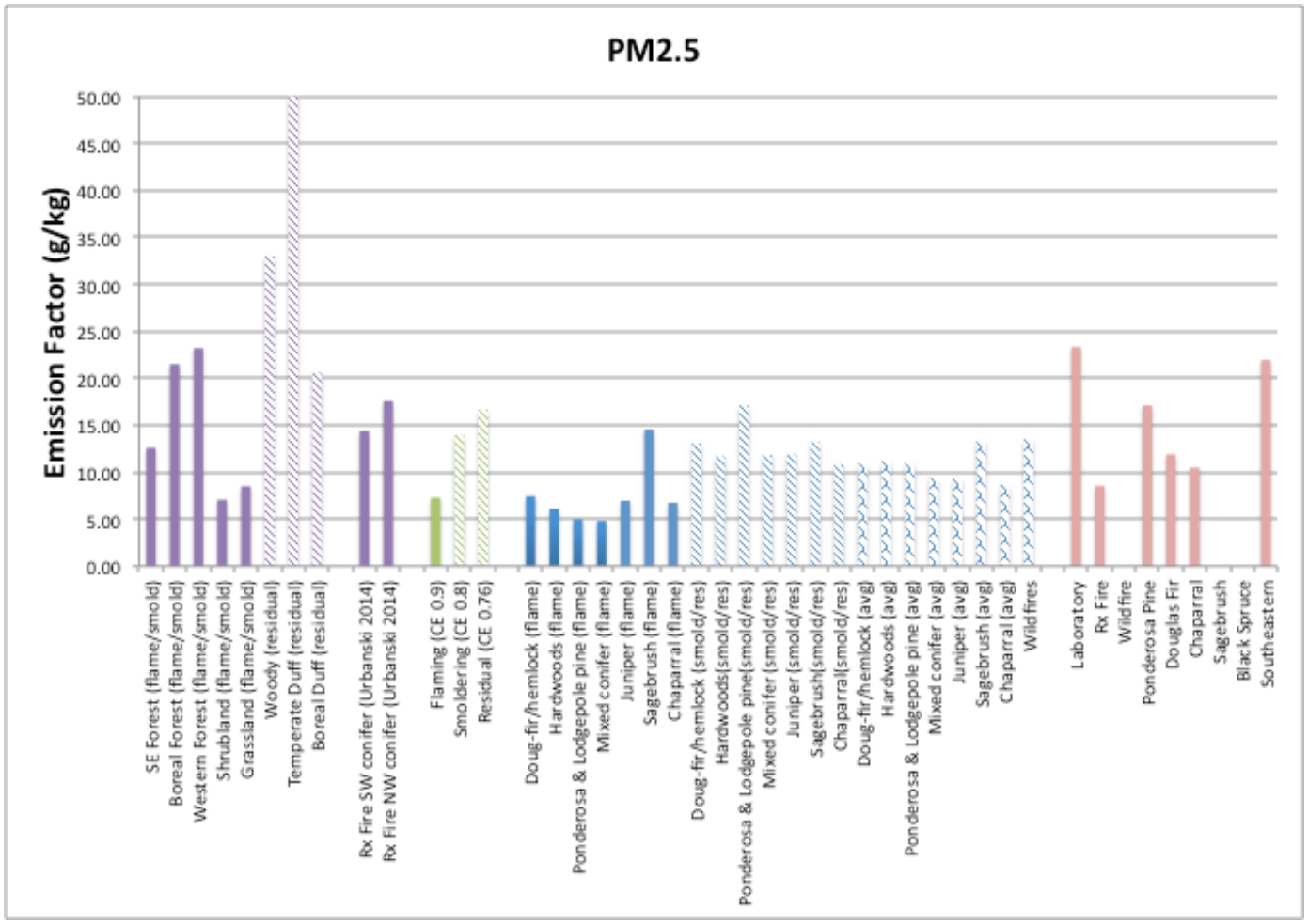
1. How much should we be trying to “rescue” data that is known or suspected to have inaccuracies?
2. How much are we trying to have a national methodology vs. a state or even forest specific one?

More Time is Key

- Biggest issues are ones of *consensus*
- Easy to adjust methodology, but need feedback before EPA finalizes
- Easy to create multiple EIs with different datasets having primacy (e.g. more nationally consistent vs. more state customization)
- All of this just takes time to negotiate

Emissions Factor Update

- Urbanski 2014 summary
- Includes recent work
- CONSUME & FOFEM being updated
- 200+ species



Urbanski 2014 = purple, FEPS = green, CONSUME = blue, Strand et al. = peach

New Association / Reconciliation Methodology Proposals

4 Tranches of Data

1. Polygon data (e.g. shapefiles)
2. Presumed geospatially accurate point data
3. Inaccurate point data with limited bounding box (e.g. somewhere within a forest)
4. Inaccurate data with large bounding box (e.g. within a state)

For each tranche:

- First associate all data to fires already known from previous traunches
- Then take remaining data and associate and reconcile to add additional fires