



Status of 2016v1 fire inventory

YEAR 2016 EMISSIONS MODELING PLATFORM PURPOSES

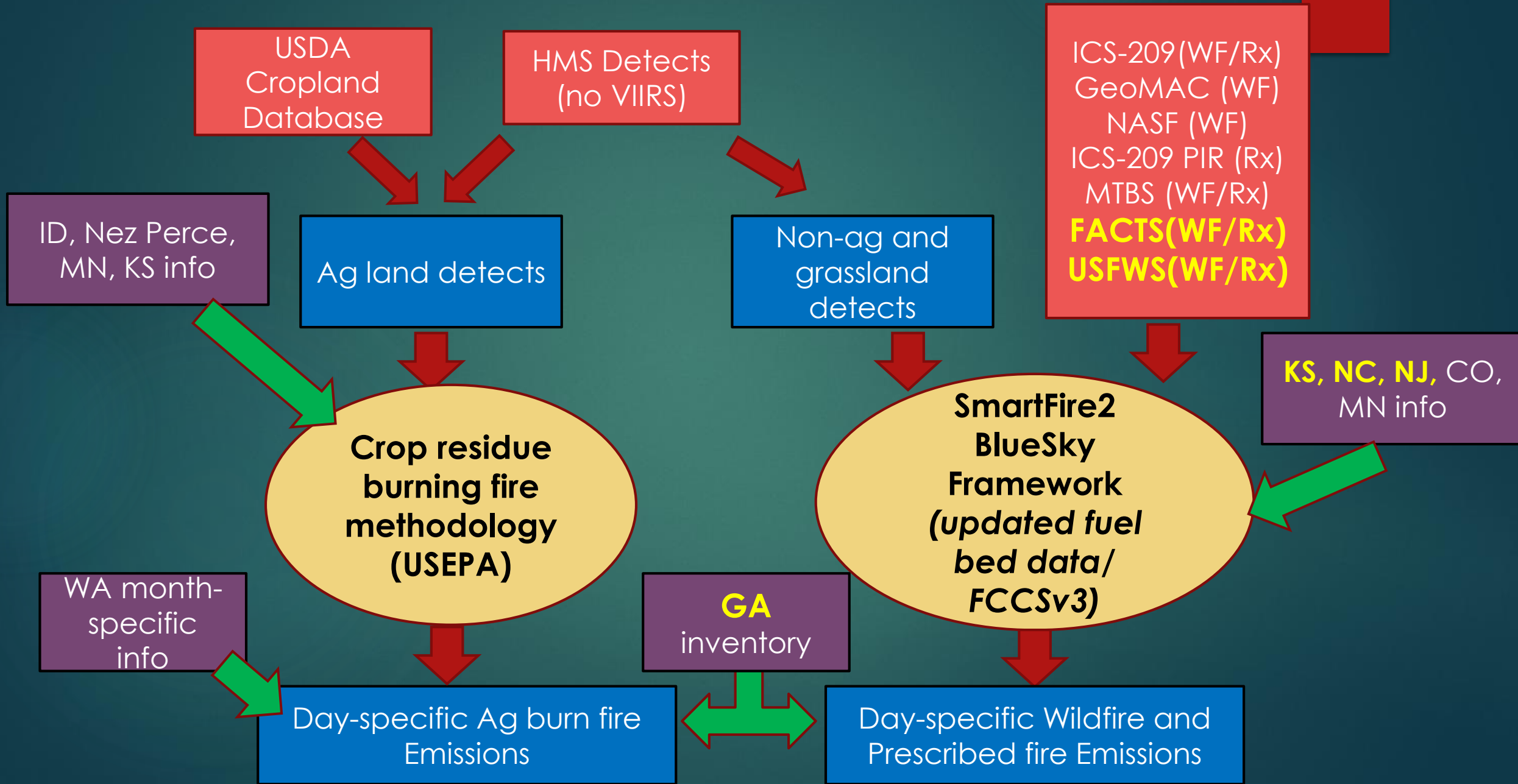
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New and improved data used in 2016v1

- ▶ Fire information databases
 - ▶ USFS FACTS: prescribed [*shapefiles*]
 - ▶ US Fish and Wildland Service (USFWS): wildfire and prescribed
 - ▶ New Jersey: wildfire and prescribed
 - ▶ Georgia: day-specific ag burns
- ▶ State data used in different manner in 2016v1
 - ▶ NC: Using as input to SmartFire2 instead of input into BlueSky
 - ▶ KS: Better spatial allocation of acres burned
- ▶ Cleaned up bad or duplicate fire information
- ▶ Changed end date for some fires for consistency across all databases
- ▶ **Unable to use Dept of Interior NFPORS fire information due to poor end date data**

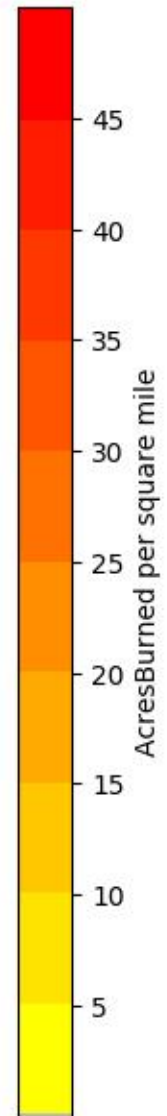
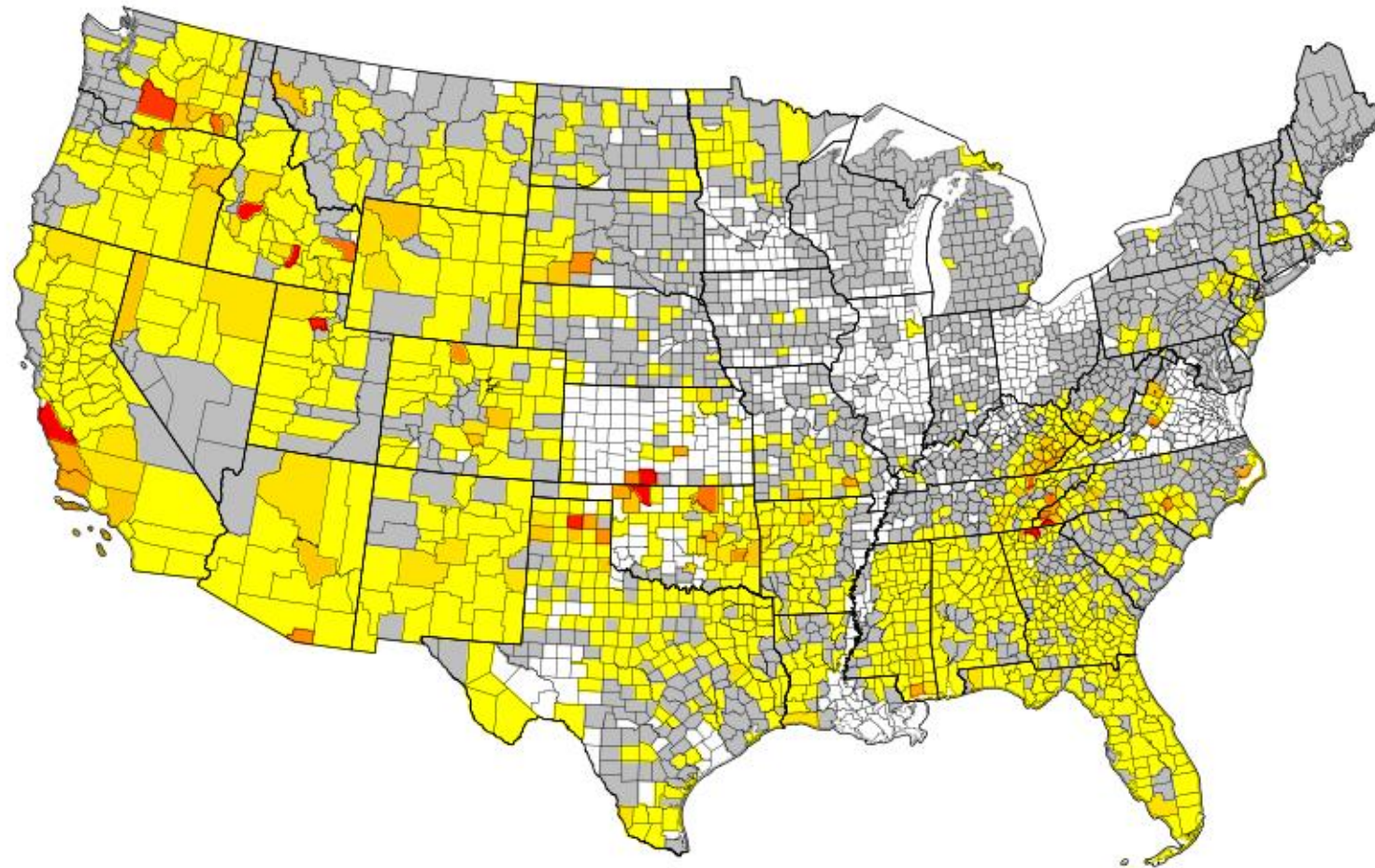
Fire Emissions Processing at High-Level for 2016v1



Preliminary results for 2016v1 acres burned

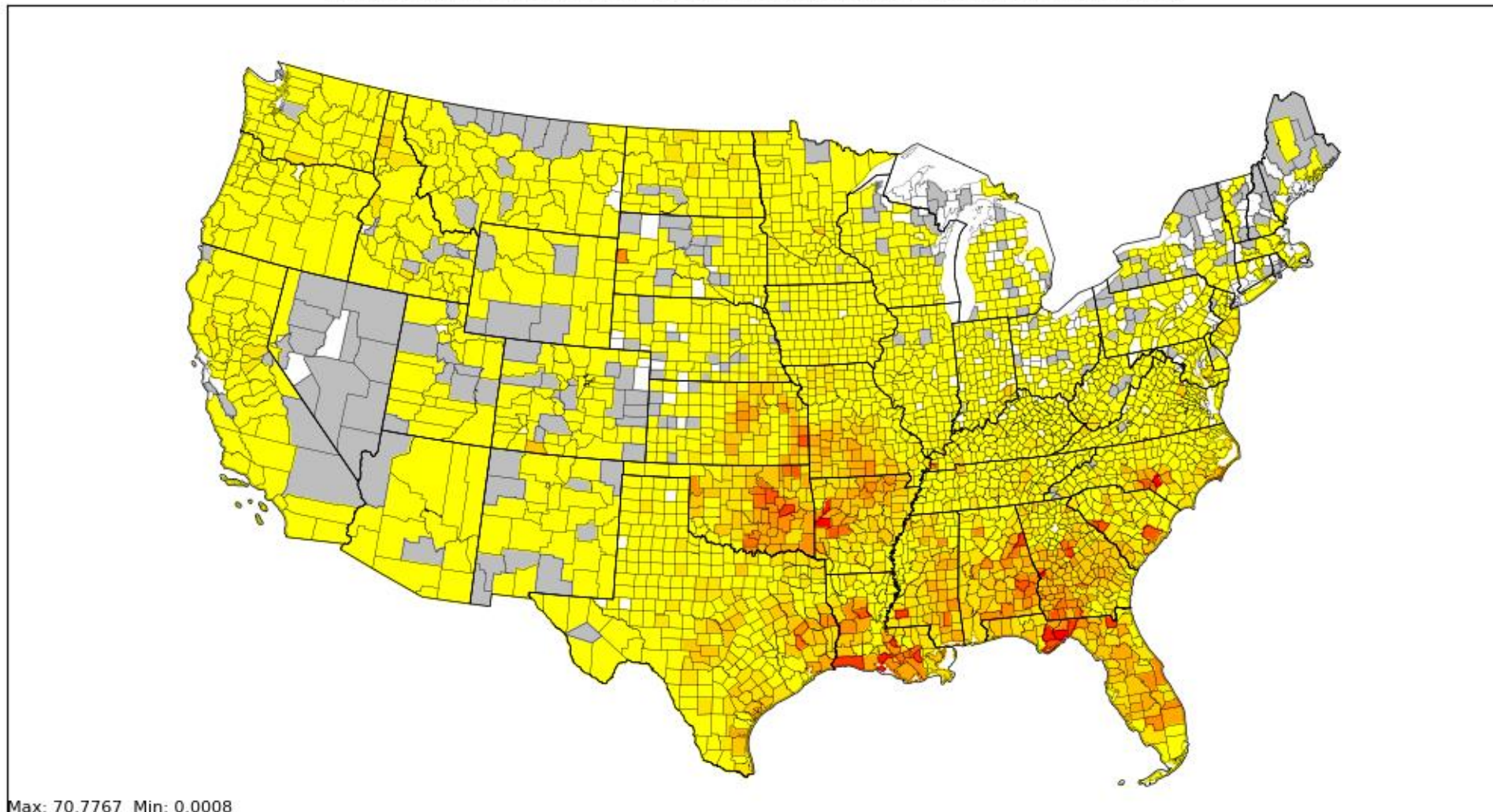
- ▶ Overall wildfire and prescribed burn acres burned up from 17M acres (beta) to 17.5M acres
 - ▶ AK not updated yet
- ▶ Prescribed acres burned up from 11.4M (beta) to 12M
 - ▶ Primary reasons: USFS FACTS and USFWS databases added and NC changes
- ▶ Wildfire acres burned down from 5.61M (beta) to 5.48M
 - ▶ Deleted bad or duplicate fire information for major fires
 - ▶ Largest impacts in CA, CO, SD, and OR
 - ▶ Minor changes to some end dates of events in some databases for better consistency and better characterization

Acres Burned Density: wildfire 2016 pre-v1 inventory



Max: 259.689 Min: 0.0

Acres Burned Density: prescribed_fire 2016 pre-v1 inventory



* Flint Hills submitted inventory not included in map

Work left to do for 2016v1

- ▶ CONUS emissions
 - ▶ QA output from BlueSky
 - ▶ “Urban” fuel bed status in new emissions; has it improved?
 - ▶ Implement GA day-specific ag fire info and other minor changes to agricultural fires
 - ▶ Generate QA reports for Workgroup
 - ▶ Generate SMOKE-ready FF10 inventory files
- ▶ Alaska emissions
- ▶ Feedback on CONUS emissions due by July 5
 - ▶ Anticipating feedback from NC; others?
- ▶ Implement any possible changes based on feedback rest of July