# WRAP FETS Webinar 3: Data Analysts and Air Quality Planners Data Management in the FETS February 18, 2009, 1300 MDT

#### WEBINAR OBJECTIVES:

- Inform Air Quality Planners and Data Analysts of relevant features and functions of the FETS
- Review upcoming work in 2009 and brainstorm ideas for additional, helpful reporting features.

### 1. Opening Remarks

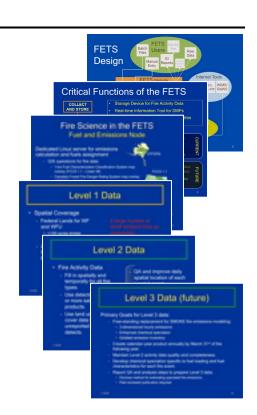
a. The <u>Fire Emissions Tracking System (FETS)</u> was built for Western Regional Air Partnership (<u>WRAP</u>) states and Tribes and is intended for regional coordination of fire activity and storage/retrieval of fire activity and emissions data.



- b. FETS can accept data pertaining to any fire type (e.g., wildfire, prescribed fire, agricultural burning, rangeland burning) in any geographic area.
- c. The FETS is intended to support Air Quality Planning tasks by providing the most comprehensive fire activity and emissions data sets possible, *useful* reporting options to access those data sets, and documented, transparent methods used to build the various 'levels' of fire inventories.

## 2. FETS design and functions

- a. Commodity-based, modular design
- b. Critical functions
  - i. Collect and Store fire data (portal).
  - ii. QC Levels 0, 1, 2, 3
- c. The FETS Technical Node
  - i GIS Functions
  - ii Fuels and Emissions Estimates
  - iii. ERTs
- d. Level 1 fire data
  - i. Characteristics, spatial coverage
  - ii. Data Acquisition
- e. Level 2 fire data (2009 future)
- f. Level 3 fire data (future)



# 3. Data Acquisition and Storage

a. Minimum required data elements (per WRAP policy

Location Date Size Source Type Burn Type

- b. Organization of fire data in the FETS database
- c. Review of current data upload methods
  - i. Manual data entry
  - ii. Batch file FTP upload
  - iii. Automated data-mining
- d. Quality Control for uploaded data (Level 1)
  - i. Automated Error checking
  - ii. Email error reports

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213908	057406092482	OR	Private	View/Edit
213909	057406151618	OR	US Department Of Institute (USGS-BLM)	View/Edit
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# 4. Regional Coordination Tools

- a. Mapping Tool page
  - i. Fire icon clusters
  - ii. Tribal, Class I areas overlays
  - iii. Summarize by county, state, tribe
  - iv. MODIS fire detections
  - v. Historical data review
- b. Data Acquisition Status Table
  - i. Date of last acquisition
  - ii. Acquisition by fire type
  - iii. Data coverage





# 5. Reporting Features

- a. On-screen reports
  - i. EI Summary
  - ii. "Quick QC"
  - iii. Others??



#### b. XLS downloads

c. Google Earth



## 6. Closing Remarks.

a. Questions, Comments, and other Feedback.

#### CONTACT INFORMATION:

WRAP – Tom Moore, Technical Coordinator w/ 970.491.8837 e/ mooret@cira.colostate.edu

Air Sciences – Dave Randall, Principal w/ 303.988.2960 x221 e/ <u>drandall@airsci.com</u>

Air Sciences – Matt Mavko, Air Quality Scientist/GIS Specialist w/ 503.525.9394 x115 e/ mmavko@airsci.com