# 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.
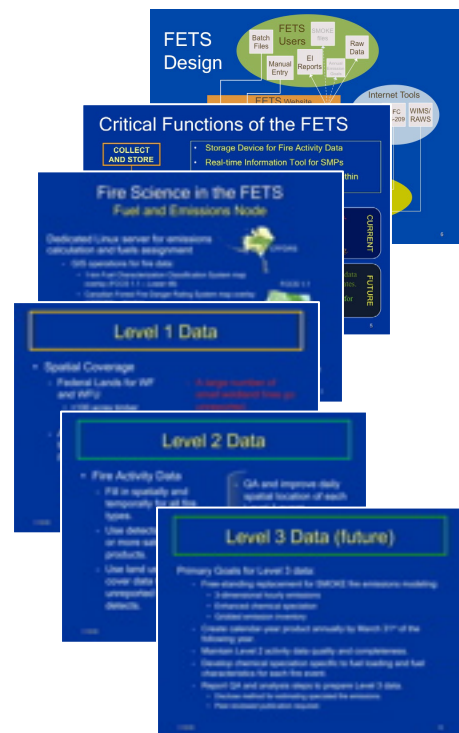
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1.   Opening Remarks

    a.   The Fire Emissions Tracking System (FETS) was built for Western Regional Air Partnership (WRAP) 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.

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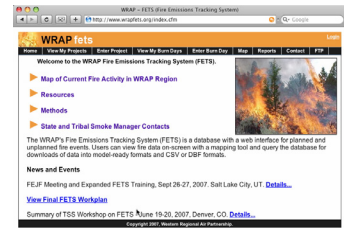
2.   FETS design and functions

    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

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 ??
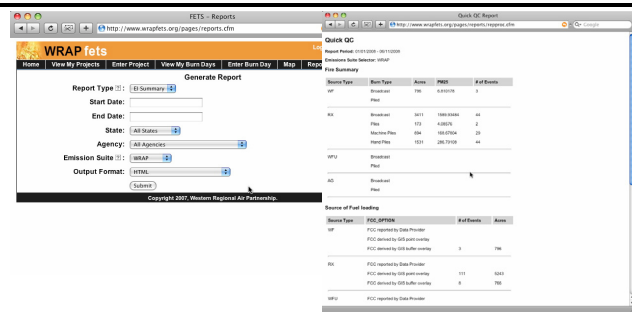
    b. XLS downloads

    c. Google Earth
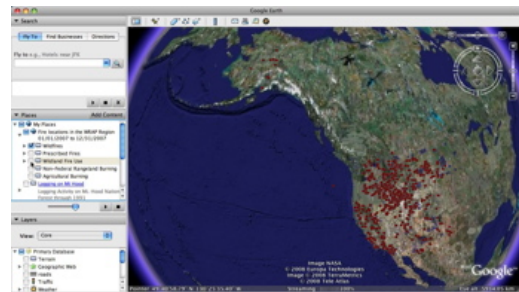
6. Closing Remarks.

    a. Questions, Comments, and other Feedback.

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