

# Session T2 B4

Other AQ Modeling  
Input Issues

# Session Format

- Seven presentations by subject matter experts from LADCO, UC – Riverside, NOAA, EPA, and USFS.
- Brief discussion following each presentation.
- One hour discussion to refine issues

# Issues

- Plume Rise and Plume Related Issues
  - Fire behavior models/plume models must interrelate.
  - Key issue: must place plume where it will disperse
  - Identify all the players who should be involved in validation process
  - Remote sensing will be required.

## Time and Space Issues

- Tagging time to wildfire/prescribed fire needs a long-term solution
- Need to abandon the practice of averaging fire data over the course of long periods of time
- Florida has capability of locating each fire on a map
- 36 km grid – Does this need to be more refined?
- Large fire are classified as point source – use one fuel model. Need to develop polygon and overlay fuel map – currently being addressed on Type I fires

# What Can we do in the here and now?

- In light of 2002 inventory data – use these data in models w/o modifying data. Use results to answer the following questions
  - What will data needs be?
  - Consistent Models
  - Critical data need – formats – consistent definitions
  - Data should relate to both wildfire and prescribed fire
  - Concern about not including real-time weather values in model inputs

# Short-term Fixes

- Test the Athens Group Daysmoke Plume Model using 2004 data against model output
- There may be some interim modeling that is better than what we are doing now. Explore this issue.
- Issue a call for any existing data sets that may be helpful.
- Put together a team to decide on interim and long-term approaches. Include international ramifications. Be interagency/interdisciplinary in nature.