Wildfire Smoke

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Photo Seattle Times, 9/2012
Wildfire Smoke

- Respiratory Issues:
  One in three households
- Cost: $8-$80/day/person
- Premature mortality:
  - 180,000/yr globally
  - 2,500/yr US

Public heeds air quality warnings
Wildland Fire Air Quality Response Program (WFAQRP)

Dissemination of data/info to inform the public about forecasted smoke conditions during large wildfire events

- Air Resource Advisors
- Deployed to Incident Command Teams and Geographic Area Commands
- Modeling, Monitoring, Messaging
- 170 Dispatches since 2012
Smoke and Fire Research for Air Quality & Public Health

Pioneered a smoke modeling framework used in AQ forecast systems nationally and internationally

Deliver research
• Tools
• Training
• Technical consultations

Users: land managers, incident command teams, and many other agencies
Smoke and Fire

- Smoke information flow during wildfire incidents
- Complex web of data sources, models, products
- Has to be distilled for use in
  - Management decisions
  - Public health decisions
  - Public information
Thank You!

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