

# Air Quality Forecaster Focus Group Workshop Summary

September 9-10, 2014

Silver Spring, Maryland

# AQ Forecaster feedback

- More than 45 participants: in-person and remotely via a webinar. Participants include state and local AQ forecasters, EPA, Environment Canada and NOAA AQ implementation team
- AQ forecasters use NOAA's AQ predictions in issuing AQ forecasts for their respective areas
- Few high-ozone events in the Eastern US in 2014
- Evaluation of experimental ozone in Connecticut shows improvement over operational. Evaluation of experimental ozone in Los Angeles shows improvement over predictions during year 2010.

# Issues to consider

- Ozone overprediction near the coast (e.g. 4 km resolution, different interpolation, altitude at which emissions are inserted in the model)
- Ozone overprediction under humid conditions (e.g. reduced radiation under hazy conditions, marine emissions, chemistry)
- Extending ozone predictions to days 3 and 4
- Updating emissions (e.g. NEI, Canadian, marine)
- Test bias correction for PM2.5 and ozone
- Refine levels on PM2.5 graphics at low range (e.g. 6, 9, 12, 15, 18  $\mu\text{g}/\text{m}^3$ )

# Additional feedback sought

- Looking forward to evaluation of experimental ozone, smoke, dust and developmental PM2.5 prior to implementation of updated models
- Looking forward to comments on the proposed new display of AQ predictions