

Background Ozone Scientific Assessment project overview and March 28-29, 2017 workshop [interactive agenda](#)

Tom Moore

Western Modeling Workshop

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Background Ozone Scientific Assessment – motivations:

- last review - McDonald-Buller et al. (EST 2012)
- results from western and national U.S. modeling studies
- 2015 Ozone air quality standard
- EPA’s Feb. 2016 white paper, public meeting, review docket
- letters to EPA from WESTAR, API, others
- recent 2015 Ozone standard implementation guidance and national source apportionment modeling results from EPA

This assessment effort will address the current science and emerging issues related to regulatory needs for assessing background ozone across the U. S. as documented by WESTAR and many others.

The assessment is focused on technical and scientific aspects of background ozone that are relevant to policy, but will not directly address policy.

The project will result in one or more peer-reviewed publications.

assessment design

The assessment will consider current research to examine:

1. Sources of background ozone;
 2. Background ozone as seen by observations;
 3. Background ozone as seen by models;
 4. Reconciling observations and models;
 5. Temporal and spatial variations in background ozone; and
 6. Research needs to improve our understanding of background ozone.
- The scientific assessment effort developed a draft review document reviewed and discussed at the March workshop, prepared by Dr. Dan Jaffe of the University of Washington and co-authors.
 - The end result will be one or more peer-reviewed journal articles incorporating the results and discussions from the workshop.

assessment effort core team

- Prof. Dan Jaffe (University of Washington) - lead
- Dr. Owen Cooper (University of Colorado / NOAA ESRL)
- Prof. Arlene Fiore (Columbia University)
- Dr. Barron Henderson (EPA OAQPS)
- Dr. Gail Tonnesen (EPA Region 8)
- Prof. Ted Russell (Georgia Institute of Technology)
- Prof. Daven Henze (University of Colorado)
- Dr. Andrew Langford (NOAA-ESRL)
- Dr. Meiyun Lin (Princeton University / NOAA GFDL)
- Mr. Tom Moore (WESTAR-WRAP) – project support

See B. Henderson's slides

- From Global Modeling, Session I today
- # 7 and 8
- Non-Controllable Ozone Sources (NCOS)
- Barron mentioned key topics to be addressed in the paper