

FINAL AGENDA
Long Island Sound Tropospheric Ozone Study Meeting
Connecting air quality science with planning needs
April 11, 2019

New York State Department of Environmental Conservation
625 Broadway
Public Assembly Room 129, 1st Floor
Albany, NY

Meeting purposes:

- 1) Identify analysis needs for LISTOS data that will inform air quality planning
- 2) Identify data gaps and resource needs that future LISTOS activities could address.

7:30 a.m. *Continental Breakfast*

8:30 a.m. Introductions and agenda review

Margaret Valis, NYS DEC
Ellen Burkhard, NYSERDA
Paul Miller, NESCAUM

8:40 a.m. 2018 Ozone Season in Review (Sharon Davis, NJ DEP)

9:00 a.m. Panel 1: NO_x/NO₂ measurements – connecting to inventories, spatial/temporal (8 mins. each)

- A. Pandora NO₂ (Luke Valin, EPA)
- B. NASA GeoTASO, GCAS results (Laura Judd, NASA)
- C. TropOMI (Barry Gross, CUNY)
- D. NOAA-Boulder WRF-Chem (Brian McDonald, NOAA)
- E. LMOS lessons (Brad Pierce, Univ. Wisconsin-Madison)
- F. Relating concentrations and fluxes in urban domains (Róisín Commane, Columbia)

10:00 a.m. *Break*

10:15 a.m. Panel 2: VOC measurements - speciation and reactivities in the NYC region from LISTOS measurements (8 mins. each)

- A. Aircraft VOC canisters (Xinrong Ren, NOAA)
- B. Bronx auto GC (Dirk Felton, NYS DEC)
- C. Long Island mobile lab (Jim Schwab, Univ. at Albany)
- D. Consumer products in NYC (Brian McDonald, NOAA Boulder)
- E. Downwind measurements along Long Island Sound
 - i. Long Island Sound north side and in NYC (Drew Gentner, Yale)
 - ii. Long Island Sound south side (John Mak, Stony Brook)
- F. Formaldehyde

- i. Formaldehyde and formic acid measurements at Westport, CT (Andrew Whitehill, EPA)
 - ii. GCAS Measurements of Slant-Column Formaldehyde: First Results (Scott Janz, NASA)
- 11:25 a.m. Panel 3: Other measurements for air quality modeling comparisons (8 mins. each)
 - A. Ground-level ambient spatial gradients from mobile measurements on Long Island (Jim Schwab, Univ. at Albany)
 - B. Cross-Sound ferry measurements (Michael Geigert, CT DEEP)
 - C. Ozone LIDAR (Tim Berkoff, NASA)
 - D. Aerosol LIDAR (Fred Moshary, CCNY)
- 12:00 noon *Lunch – On your own (suggestions will be provided)*
- 1:00 p.m. Panel 3 (cont.): Other measurements for air quality modeling comparisons (8 mins. each)
 - A. Meteorological context: CCNY met observations (Mark Arend, CCNY)
 - B. LIS Wind fields (John Mak, Stony Brook)
 - C. NYS MesoNET (Everette Joseph, Univ. at Albany)
 - D. Ozone sondes on Long Island (Everette Joseph, Univ. at Albany)
- 1:40 p.m. Panel 4: Connecting measurements to air quality modeling (8 mins. each)
 - A. EPA modeling (Jon Pleim, ORD; Kirk Baker, OAQPS)
 - B. WRF-Chem (Brian McDonald, NOAA)
 - C. State modeling (Margaret Valis, NYS DEC)
 - D. UMD modeling – comparison of forecast to observations (Russ Dickerson, UMD)
- 2:30 p.m. *Break*
- 2:45 p.m. Check-in with research groups: Data analysis and archiving status
 - QA/QC status of data sets/posting on NASA LISTOS site
- 3:00 p.m. Next steps integrating results – how do we present results?
 - Special journal issue?
 - Internal reports/collaborations on joint analysis?
 - Other approaches?
- 3:30 p.m. Discussion and wrap-up
 - Recap key findings from morning presentations
 - Recommendations for future work
 - Next steps, timelines, work assignments, etc.
- 4:00 p.m. *Adjourn*