

NOAA's SATELLITE APPLICATIONS SYMPOSIUM SERIES: AIR

The Evolving Capabilities of Monitoring Atmospheric Composition for Human Health and Air Quality Applications

OCTOBER 8, 2024 1230 PM - 430 PM EDT; NCWCP, COLLEGE PARK AND VIRTUAL

Google Meet Link: meet.google.com/vrk-jsqh-bvp

<https://www.nesdis.noaa.gov/events/noaas-satellite-applications-symposium-series-air>

Please visit event website URL for more information and events

Agenda 1230 - 1240: Welcome ([Greg Frost, NOAA OAR](#))

1240 - 1250: NOAA User Readiness Plan for Atmospheric Composition from Space ([Greg Frost, NOAA OAR](#))

1250 - 1305: GXI GeoXO Imager ([Jordan Gerth, NWS Office of Observations](#))

1305 - 1320: GXS GeoXO Sounder ([Jim Yoe, NWS/NCEP and JSCDA](#))

1320 - 1335: Preparing for GeoXO using TEMPO ([Shobha Kondragunta, NOAA NESDIS](#))

1335 - 1350: What does the future hold? Status update on GeoXO program ([Pam Sullivan, NOAA NESDIS](#))

1350 - 1405: Update on GeoXO ACX instrument - specifications and progress ([Joanna Joiner, NASA GSFC](#))

1405 - 1420: Air pollution impacts from warehousing in the United States uncovered with satellite data ([Gauge Kerr, Milken Institute School of Public Health](#))

1420 - 1440: Speed Talks; 5 min ea. - How would an operational geostationary satellite change your perspective?

Satellite perspective of EPA's new PM2.5 standard - ([Barron Henderson \(EPA\)](#) and [Shobha Kondragunta \(NOAA\)](#))

City of Baltimore EJ studies ([Benjamin Nault, Assistant Research Scientist, DeCarlo Group Department of Environmental Health and Engineering, Whiting School of Engineering, Johns Hopkins University](#))

AiRMAPS in support of TEMPO and GeoXO, ([Steve Brown, Program Leader, Tropospheric Chemistry, Atmospheric Remote Sensing, NOAA Chemical Sciences Laboratory](#))

NOAA's ARC in support of TEMPO and GeoXO, [Xinrong Ren, Physical Scientist, Greenhouse Gas Monitoring Program, NOAA Air Resources Laboratory](#))

1440 - 1455: Questions/Discussions

1455 - 1500: Break

1500 - 1545: Stakeholder Interaction Session (Moderators: [Andy Latto, NOAA NESDIS](#); [Greg Frost, OAR](#))

1545 - 1630:

Invite application studies using TEMPO data

- (1) GOES-R GLM lightning data along with TEMPO NO₂ data - ([Michael Geigert, Connecticut Department of Energy and Environmental Protection](#))
- (2) Key Bridge collapse data analysis - ([Shobha K., Joel Dreessen, Senior Meteorologist at Maryland Department of the Environment](#))
- (3) TEMPO NO_x emissions - ([Brian McDonald, Environmental Engineer, Atmospheric Composition Modeling, NOAA Chemical Sciences Laboratory](#))
- (4) Making the case for GeoXO GHG instrument - ([Brian McDonald](#))