



Committee on Earth Observation Satellites

# Atmospheric Composition Virtual Constellation 16: Meeting Goals

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Hiroshi Tanimoto (NIES), AC-VC Co-Chairs

**First virtual meeting, 8 – 12 June 2020**





## Welcome

- Hiroshi Tanimoto (NIES) joining Jay and Ben as AC-VC Co-Chair
- Diego Loyola (DLR) as Topical Lead for Tropospheric Ozone
- Shobha Kondragunta (NOAA) as Topical Lead for AQ Aerosol

## Unchanged

- Dave Crisp (JPL) as Topical Lead for GHG
- Jay Al-Saadi (NASA) and Ben Veihelmann (ESA) as AC-VC Co-Chair

## Thanks to

- Session organizers, including Omar Torres and all above
- Presenters and participants
- BIRA, Michel Van Roozendaal, Jean-Christopher Lambert for offering to host AC-VC#16, we would like to accept the offer for AC-VC#17



## Monday: Greenhouse Gases

- Satellite contribution to emission monitoring
- Support CEOS/CGMS GHG roadmap implementation

## Tuesday: Air Quality Trace Gases

- News from missions in operations
- Validation coordination for GeoAQ constellation

## Wednesday: Tropospheric Ozone

- Inter-compare and harmonize data sets
- Contribute to Tropospheric Ozone Annual Report-II

## Thursday: Air Quality Aerosol

- Satellite contribution to particulate pollution observations
- Whitepaper preparation

## Friday: Interdisciplinary Topics

- AQ-GHG Co-Benefits
- COVID-19 Impact Observations



# CEOS Work Plan Deliverables



ID	Title	Due	Description	Responsible	
VC-20-01	Tropospheric ozone dataset validation and harmonization	2022 Q4	Production of peer-reviewed papers on intercomparisons and harmonization of tropospheric column ozone data sets	AC-VC	Diego Loyola
VC-20-02	Air quality constellation validation coordination	2024 Q4	Coordinate implementation of recommendations expressed in CEOS document “Geostationary Satellite Constellation for Observing Global Air Quality: Geophysical Validation Needs”.	AC-VC, WGCV	Ben Veihelmann
VC-20-03	Air quality constellation validation coordination: validation plans	2022 Q4	Coordinate the writing of harmonized GEO-AQ mission validation plans.	AC-VC, WGCV	Ben Veihelmann
VC-20-04	Air quality constellation validation coordination: announcements of opportunity	2023 Q4	Coordinate the formulation of harmonized GEO-AQ Announcements of Opportunity supporting mission validation activities.	AC-VC, WGCV	Ben Veihelmann
VC-20-05	Aerosol air quality coordination	2021 Q4	Production of a white paper or peer-reviewed paper on satellite-informed products for air quality associated with aerosol	AC-VC	Shobha Kondragunta