Committee on Earth Observation Satellites

Aerosols and Air Quality Session

Session Organizers

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White Paper Topics

- Inventorize the status of current and planned satellite sensors that provide aerosol information needed for AQ applications,
- Enhance the consistency of observations from these sensors,
- Inventorize the status of current approaches to constrain particulate pollution levels using satellite data,
- Recommend research and developments activities aiming at enhancing such approaches,
- Elaborate best practices for the exploitation of satellite observations for particulate pollution applications,
- Identify regions/parts of the globe where the best practices can be tested and applied. Specifically population dense regions and urban areas realizing that satellite retrievals are challenging yet where the need is high owing to health impacts
- Exploit network of ground-based LIDARS/Ceilometers for diagnosing uncertainties in estimates of surface PM2.5