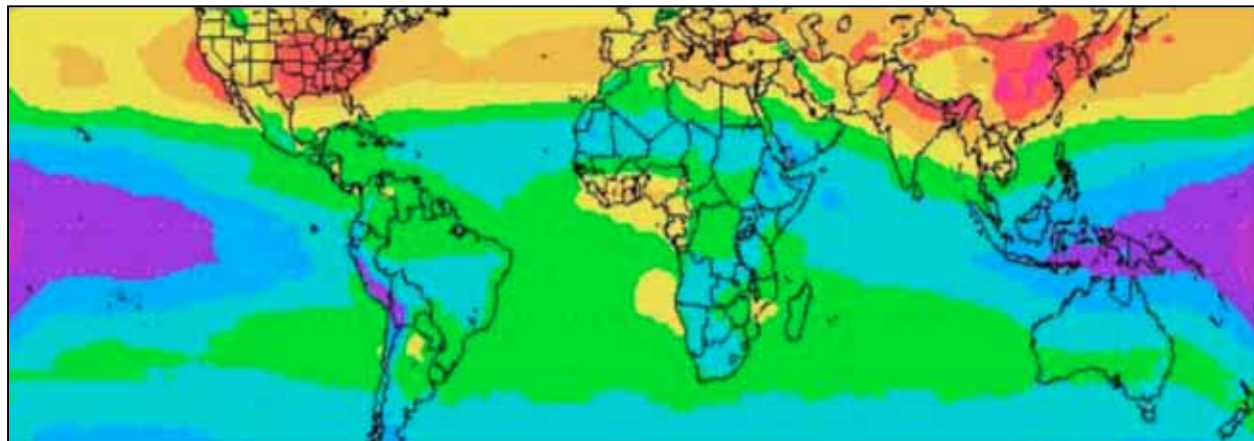
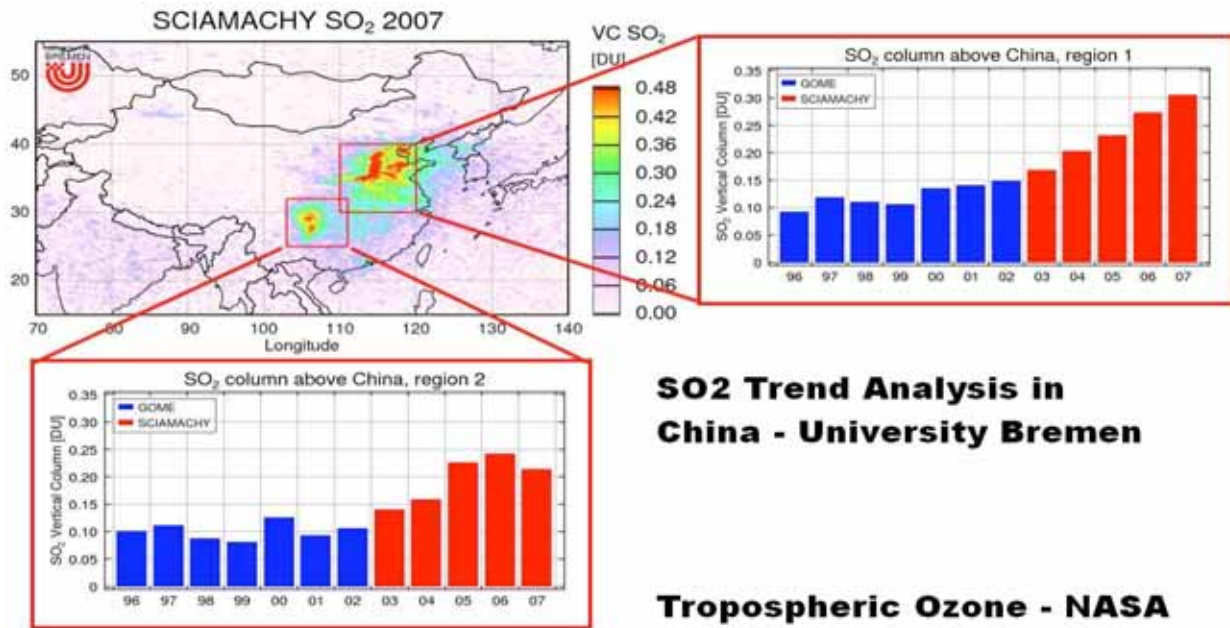


# Report of the Committee on Earth Observation Satellites (CEOS) Atmospheric Composition Constellation (ACC) Workshop on Air Quality



Hosted by ESA- ESRIN  
Frascati, Italy  
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## • 5.0 Recommendations

The following recommendations are based on the results from a panel session at the conclusion of the workshop and address critical near-term and long-term AQ issues.

Implementation of one or more recommendations would remove some of the pending data gaps and provide measurements needed for AQ science and applications.

A proactive consideration by the CEOS space agencies would ensure continued progress in our understanding of atmospheric chemistry as well as our ability to assess and forecast AQ.

- Coordinate a real future Air Quality Constellation based on geostationary satellites planned by Korean (GEMS), ESA (Sentinel-4), NASA (GEO-CAPE), and the Japanese Geostationary Atmospheric Observation Satellite.
- The missions should be planned to take advantage of their synergistic capabilities. Cost efficiencies might be achieved if there are common instrument requirements.
- Coordinated algorithm development, data content and format, and cal/val should be planned. All are expected to be launched in the period 2020-2030 and should be used as the backbone of a true Air Quality constellation which also includes complementary LEO missions (Sentinel-5, PREMIER, and GACM).
- CEOS and bilateral discussion to coordinate this activity should be initiated soon.