

Atmospheric Composition Constellation (ACC)

http://www.ceos.org/index.php?option=com_content&view=article&id=95&Itemid=98

WGCV -37

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ESA

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Some ACC Activities

- **Ozone Layer: Generation of long term Total Ozone data sets, Validation Protocol and European/US data sets available at <http://www.esa-ozone-cci.org>, scientific publication on intercomparison:**
<http://www.atmos-meas-tech-discuss.net/6/10081/2013/amtd-6-10081-2013.html>
next activity: combination of European/USA data sets, including other data sets (e.g. CHINA)
- **Air Quality: Air Quality Constellation-TEMPO, GEMS, Sentinel4, Sentinel5P as transfer among the geostationary satellites**
http://www.ceos.org/images/ACC/AC_Geo_Position_Paper_v4.pdf
- **Climate Forcing: establishing a GHG Constellation (Carbon Task Force Report – next ACC meeting)**
- **Societal Benefit Areas - Disaster: Detection and Tracking of Volcanic Eruptions in support to Aviation (NASA, Eumetsat, NOAA, ESA, DLR, BIRA/IASB, NILU, INGV, WMO-Nowcasting)**
http://www.esa.int/Our_Activities/Observing_the_Earth/Kelut_volcano_grounds_air_travel

ACC Needs from ACSG

- **ACSG representatives have always been invited and participated to all ACC meetings in the past**
- **ASCG: no meeting held during the last 4 years and no public documentation is available about ongoing activities**
- **Is the ESA/SEOM project on improved reference spectra an ACSG activity?**
- **Air Quality: Ongoing AQ – Constellation (e.g. on common Level 2 product generation) - interaction would be needed on international Cal/Val activities**
- **Climate Forcing: Future GHG Constellation - interaction would be needed on international Cal/Val activities**
- **Ozone Layer: wrong reporting about ACC activities on the WGCV Webpage (oral presentation at last WGCV meeting)**