

Atmospheric Composition Constellation (ACC)

Workshop on Air Quality

Claus Zehner
ESA

*ESA/ESRIN
June 15-17, 2009
Frascati, IT*



Atmospheric Composition (AC) Constellation

- The Atmospheric Composition (AC) Constellation is a CEOS (Committee on Earth Observation Satellites) project to facilitate technical/scientific cooperation and collaboration among Space Agencies that meet GEO objectives
- The ACC scope complies with the CEOS Agency programs and serves the GEO Societal Benefit Areas (SBAs)



ACC Workshop on Air Quality

- enable an exchange of knowledge (e.g. EUROPEAN activities ongoing within DUE and GMES as a direct contribution to GEOSS, ongoing AQ activities in the US and elsewhere) and co-operation
- to review the current accuracy of space based tropospheric measurements (in particular sulphur dioxide, nitrogen dioxide, carbon monoxide, ozone and particulate matter)
- to see if existing satellite measurements are already able to provide value adding information to air quality monitoring in addition to in-situ data
- to review the need of future air quality monitoring space missions
- experts in atmospheric satellite retrieval, data assimilation (combining ground-based and satellite measurements), and end-users

ACC Workshop

- **Daily Bus Service (8.30 Piazza Marconi, 18.00 ESRIN)**
- **1 Social Event at the beginning**
- **Agenda: some last minute changes**
- **all presentations to be made available at the ACC Web-Page**
- **short report on the outcome to be provided to CEOS Agencies**