



# **An overview of European Air Quality activities**

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# European organisations active in AQ

➤ **European Space Agency**

➤ **European Commission**

**GMES** – Global Monitoring for Environment and Security

European Contribution to **GEOSS**



**GMES Pilot Services**

3 Themes “Fast-tracked”

Marine, Land, Emergency Response

2 Themes in Preparation

Atmosphere, Security



**GMES Atmosphere Service (GAS)**





# European organisations active in AQ

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➤ **European Environmental Agency**

➤ **European Commission**

➤ **UNECE** (United National Economic Commission for Europe)



# AQ Programs/Projects: European Level

## ➤ European Space Agency

- GMES Service Element: **PROMOTE**
- EO Applications Development: Data User Element (DUE): **GlobAer**
- EO Market Development (EOMD)

## ➤ European Commission

- 6th Framework Program (FP6)
  - **GEMS**
  - **GeoMON**
- 7th Framework Program (FP7)
  - **MACC** (in proposal phase)
- COST Actions (Cooperation in the field on Scientific and Technical Research)

## ➤ European Environmental Agency

- **EIONET**
- **OzoneWeb**

## ➤ UNECE (United National Economic Commission for Europe)

- Convention on Long-range Transboundary Air Pollution (CLRTAP)
  - **EMEP**: Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe

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# Messages from ESA

- ESA supports interagency interaction, especially via formal frameworks such as **CEOS**
  - working to provide an Implementation Plan for Space-based Observations for GEOSS
  - helping to develop a 'Virtual Constellation' on Atmospheric Composition (which includes the theme Air Quality) – **ACC**
- Ongoing Short Term Actions of **ACC** (here with a focus on the Air Quality theme):
  - Review Existing/ongoing AQ Projects/Services to users worldwide
  - Identify mature projects/services that could be made global by international coordination and cooperation
    - define a concrete implementation plan for the next 2 years
    - start planning on a 6- and 10-year timescale