



# Aerosol, Clouds and Trace Gases Research Infrastructure (ACTRIS) advanced atmospheric services



ACTRIS is a pan-European research infrastructure producing high-quality data and information on short-lived atmospheric constituents and on the processes leading to the variability of these constituents in natural and controlled atmospheres. ACTRIS serves a vast community of users in answering to many societal and environmental challenges, such as air quality, health, sustainability and climate change.



## Partners

**23 countries**  
**>100 institutions**  
**260 facilities**

### ATMO ACCESS: Solutions for Sustainable Access to Atmospheric Research Facilities

#### Objectives

- deliver recommendations for a sustainable framework for access to distributed atmospheric Research Infrastructures (RI), ensuring integrated access and optimised use of the services.
- develop and test novel modalities of access to facilities and more advanced services, including digital cross-RI services.
- open physical and remote access to 43 operational European atmospheric research facilities.
- Innovative cross-RI cloud services are offered through virtual access to RI data centres.

#### ATMO ACCESS

**Call:** H2020-INFRAIA-2020-1  
**Duration:** 36 months  
**Start Date:** 2020-04-01  
**Project Costs:** € 14 999 948

#### ACTRIS-IMP

**Call:** H2020-INFRADEV-2019-2  
**Duration:** 48 months  
**Start Date:** 2021-01-01  
**Project Costs:** € 4 999 997.50

#### TCs main tasks

ACTRIS standards definition and insurance (instrument calibration ...)  
Training  
Experiments on the forefront of science



Topical Centres



Head Office

**HO main tasks**  
ACTRIS RI management and functioning  
User access management

#### Physical and Remote Access

Research Services  
Instrument calibration  
Industry Services  
Training services



Data Centre



Users

#### Virtual Access

ACTRIS data products  
ACTRIS VRE with graphic and computing tools



National Facilities

**NFs main tasks**  
ACTRIS data production  
Experiments on the forefront of science

### RI-Urbans: RI Services Reinforcing Air Quality Monitoring Capacities in European Urban&Industrial AreaS

#### Objectives

- demonstrate how Service Tools (STs) from atmospheric Research Infrastructures (RIs) can be enhanced to better address the challenges and societal needs concerning air quality (AQ) in European cities and industrial hotspots.
- respond to the urgent needs to reduce air pollution across EU by providing enhanced AQ observations in support of advanced AQ policy assessment.
- develop and enhance synergies between AQ Monitoring Networks (AQMN) and atmospheric RIs combining advanced science knowledge and innovative technologies to develop pilot STs

#### RI-URBANS

**Call:** H2020-LC-GD-2020  
**Duration:** 48 months  
**Start Date:** 2021-10-01  
**Project Costs:** € 2.997.710

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**Contact:** Carmela Cornacchia [carmela.cornacchia@imaa.cnr.it](mailto:carmela.cornacchia@imaa.cnr.it); Lucia Mona [lucia.mona@imaa.cnr.it](mailto:lucia.mona@imaa.cnr.it); Rosa Petracca [rosa.petracca@imaa.cnr.it](mailto:rosa.petracca@imaa.cnr.it)

<http://www.actris.eu>