



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,



Partners

23 countries
>100 institutions
260 facilities

ATMO ACCESS: Solutions for Sustainable Access to Atmospheric Research Facilities

Objectives

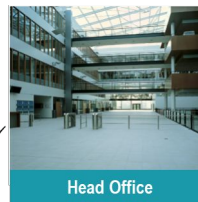
- deliver recommendations for a sustainable framework for access to distributed atmospheric Research Infrastructures (RI), ensuring integrated access and optimised use of the services.
- develop and test novel modalities of access to facilities and more advanced services, including digital cross-RI services.
- 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



Head Office

HO main tasks
ACTRIS RI management and functioning
User access management

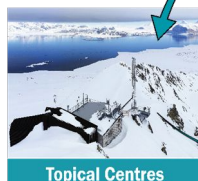
Physical and Remote Access

Research Services
Instrument calibration
Industry Services
Training services



Users

Virtual Access
ACTRIS data products
ACTRIS VRE with graphic and computing tools



Topical Centres

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



Data Centre



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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