



Aerosol, Clouds and Trace Gases Research



ACTRIS Infrastructure Implementation Project

Consiglio Nazionale delle Ricerche

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.

exploratory national facilities

ACTRIS is composed of Observational and Exploratory Platforms, Topical Centres, Data Centre, and Head Office that is



Partners

23 countries >100 institutions **260** facilities

coordinating the ACTRIS activities

ACTRIS-IMP - Aerosol, Clouds and Trace Gases Research Infrastructure (ACTRIS) Implementation project

Call: H2020-INFRADEV-2019-2

Duration: 48 months Start Date: 2021-01-01

Project Costs: € 4,999,997.50

ACTRIS IMP build on three strategic pillars:

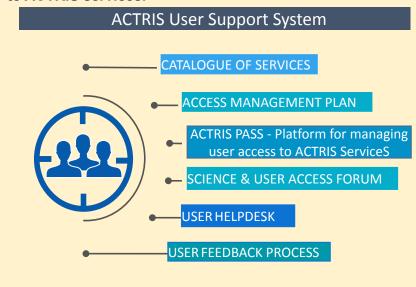
- the long-term sustainability of securing **ACTRIS**:
- ensuring the coordinated implementation of **ACTRIS** functionalities; and
- positioning ACTRIS in the regional, European and international science and innovation landscape.

ACTRIS IMP sets the required coordinated structures for coherent actions to be performed at both the national and European level to elevate **ACTRIS** to a new level of maturity with operational services by 2025.

One of the main objectives of the project is to facilitate smooth and consistent implementation of the ACTRIS observational and exploratory platforms. CNR with IMAA, ISAC and Implementation actions are ongoing at CNR-IMAA for setting up the activities of the european-level central facilities units led by the institute and the observational and

Service and Access Management Unit (SAMU)	CF unit of Head Office
ACTRIS Aerosol remote sensing data centre unit (ARES)	CF units of the Data Centre
ACTRIS Data Discovery, Virtual Access and Services (DVAS)	
Centre for Aerosol Remote Sensing – Automated Aerosol	CF unit of the Centre for Aerosol Remote Sensing
high-power lidar (CARS-AHL-CNR)	
Potenza (CNR) – CIAO	Observational platform
(CND) Mahila platform for access and trace goess in situ	Funlaratory platform
(CNR) - Mobile platform for aerosol and trace gases in situ observations.	Exploratory platform
(CNR) Potenza Mobile platform for aerosol and cloud	Exploratory platform
remote sensing observations.	
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The Service and Access Management Unit (SAMU) of the Head Office is responsible for the implementation and management of the entire set of tools and procedures to enable an efficient physical and remote access of all users to ACTRIS services.



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