

**Countries participating in
establishing ACTRIS as a long-term
research infrastructure:**

**Belgium
Bulgaria
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Ireland
Italy
Netherlands
Norway
Poland
Romania
Spain
Sweden
Switzerland
United Kingdom**

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**Aerosols, Clouds and
Trace gases Research
InfraStructure**

ACTRIS

ACTRIS is a distributed European Research Infrastructure dedicated to high-quality observation and exploration of aerosols, clouds, trace gases and their interactions.

The challenge

Short-lived atmospheric components – aerosols, clouds, trace gases – are one of the most significant anthropogenic pollutants affecting Earth’s radiation balance, and having a big impact on climate, health and ecosystems. Long-term data on concentrations and distributions of aerosols



and trace gases are instrumental to reduce air pollution and related adverse effects on health and environment.

ACTRIS services

- High-class and quality checked atmospheric data available to all users free of charge
- Higher level data services
- Instrument calibrations
- Access to best research environments and expertise at ACTRIS Calibration Centres and at selected ACTRIS National Facilities



ACTRIS will be the platform for atmospheric research, serving a vast community of users working in research, space agencies, operational services, public and private sectors.

ACTRIS components

ACTRIS consists of numerous National Facilities and Central Facilities.

ACTRIS National Facilities have a combination of near-surface and remote-sensing systems to provide ACTRIS data and high quality research environments.

ACTRIS Central Facilities cover Head Office, Data Centre, and multiple Calibration Centres. Head Office coordinates and legally represents the Research Infrastructure. The provision and curation of data, data products, and data tools are handled by the ACTRIS Data Centre. ACTRIS Calibration Centres provide instrument calibration services and ensure compliance with standard operating procedures and quality protocols to provide harmonized, reliable, and documented ACTRIS data.

ACTRIS adopted on
ESFRI Roadmap

Interim ACTRIS Council established
by participating countries.

ACTRIS forms a
legal entity

ACTRIS is fully
operational

2015

2016

2017

2018

2019

2020

2025