ACTRIS-2
Project ID: 654109
Funded under:
H2020-EU.1.4.1.2. - Integrating and opening existing national and regional research infrastructures of European interest

Aerosols, Clouds, and Trace gases Research InfraStructure

From 2015-05-01 to 2019-04-30, closed project | ACTRIS-2 Website

Project details

| Total cost: | EUR 10 126 484,54 |
| EU contribution: | EUR 9 541 194,51 |
| Coordinated in: | Italy |
| Topic(s): | INFRAIA-1-2014-2015 - Integrating and opening existing national and regional research infrastructures of European interest |
| Call for proposal: | H2020-INFRAIA-2014-2015 |
| Funding scheme: | RIA - Research and Innovation action |

Objective

ACTRIS-2 addresses the scope of integrating state-of-the-art European ground-based stations for long term observations of aerosols, clouds and short lived gases capitalizing work of FP7-ACTRIS. ACTRIS-2 aims to achieve the construction of a user-oriented RI, unique in the EU-RI landscape.

ACTRIS-2 provides 4-D integrated high-quality data from near-surface to high altitude (vertical profiles and total-column), relevant to climate and air-quality research. ACTRIS-2 develops and implements, in a large network of stations in Europe and beyond, observational protocols that permit harmonization of collected data and their dissemination. ACTRIS-2 offers networking expertise, upgraded calibration services, training of users, trans-national access to observatories and calibration facilities, virtual access to high-quality data products. Through joint research activities, ACTRIS-2 develops new integration tools that will produce scientific or technical progresses reusable in infrastructures, thus shaping future observation strategies.

Innovation in instrumentation is one of the fundamental building blocks of ACTRIS-2. Associated partnership with SMEs stimulates development of joint-ventures addressing new technologies for use in atmospheric observations.

Target user-groups in ACTRIS-2 comprise a wide range of communities worldwide. End-users are institutions involved in climate and air quality research, space agencies, industries, air quality agencies.

ACTRIS-2 will improve systematic and timely collection, processing and distribution of data and results for use in modelling, in particular towards implementation of atmospheric and climate services. ACTRIS-2 invests substantial efforts to ensure long-term sustainability beyond the term of the project by positioning the project in both the GEO and the on-going ESFRI contexts, and by developing synergies with national initiatives.

Related information

Report Summaries
Periodic Reporting for period 2 - ACTRIS-2 (Aerosols, Clouds, and Trace gases Research InfraStructure)

News
Towards the better forecasting of destructive dust storms
Coordinator

CONSIGLIO NAZIONALE DELLE RICERCHE
PIAZZALE ALDO MORO 7
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EU contribution: EUR 1 102 388

Activity type: Research Organisations
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Participants

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EU contribution: EUR 1 655 094

Activity type: Research Organisations
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Germany
EU contribution: EUR 788 750

Activity type: Higher or Secondary Education Establishments
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NATIONAL OBSERVATORY OF ATHENS
LOFOS NYMFON
11810 ATHINA
Greece
EU contribution: EUR 554 696

Activity type: Higher or Secondary Education Establishments
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NORSK INSTITUTT FOR LUFTFORSKNING STIFTELSE
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EU contribution: EUR 559 200

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METEOROLOGISK INSTITUTT  
HENRIK MOHNS PLASS 1  
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EU contribution: EUR 150 000

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NATIONAL INSTITUTE OF RESEARCH AND DEVELOPMENT FOR OPTOELECTRONICS  
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EU contribution: EUR 255 349

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EU contribution: EUR 242 825

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EU contribution: EUR 218 053,75

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EU contribution: EUR 302 194

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**EU contribution:** EUR 51 000

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1784 SOFIA  
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**EU contribution:** EUR 46 000

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**EU contribution:** EUR 88 059
EU contribution: EUR 51 000

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**Activity type:** Higher or Secondary Education Establishments

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