Copernicus - eoSC AnaLytics Engine

Fact Sheet

Project Information

C-Scale
Grant agreement ID: 101017529

DOI
10.3030/101017529

Closed project

Funded under
EXCELLENT SCIENCE - Research Infrastructures

Total cost
€ 1 999 670,00

EU contribution
€ 1 999 670,00

Coordinated by
EODC EARTH OBSERVATION DATA CENTRE FOR WATER RESOURCES MONITORING GMBH
Austria

Start date
1 January 2021

End date
30 September 2023

Project description

Eyes on the world will soon do more than observe

In the 20 years since the European Union and the European space industry made a long-term commitment to the development of a space-based environmental monitoring system, Copernicus has grown into the preeminent source of environmental information in the world. It integrates a plethora of data collected from satellite, ground-based, airborne and seaborne sources. Making the discovery,
access and processing of these resources possible through the European Open Science Cloud (EOSC) is the key motivation of EU-funded C-SCALE project. This will catalyse further innovative Earth Observation-based research and development activities. The project's Big Copernicus Data Analytics services will streamline the integration of models, projects and programmes, with concrete production-ready pilot applications used to drive and validate the technical work.

Fields of science

natural sciences  >  computer and information sciences  >  data science  >  big data

natural sciences  >  earth and related environmental sciences  >  atmospheric sciences  >  climatology  >  climatic changes

Keywords

Copernicus  European Open Science Cloud  EOSC  DIAS

Collaborative Ground Segments  Earth Observation  Data Federation

Big Data Analytics  Compute Federation  Cloud Computing  HPC  HTC

Scalable

Programme(s)

H2020-EU.1.4. - EXCELLENT SCIENCE - Research Infrastructures

H2020-EU.1.4.1.3. - Development, deployment and operation of ICT-based e-infrastructures

Topic(s)

INFRAEOSC-07-2020 - Increasing the service offer of the EOSC Portal

Call for proposal

H2020-INFRAEOSC-2018-2020

See other projects for this call
Sub call

H2020-INFRAEOSC-2020-2

Funding Scheme

RIA - Research and Innovation action

Coordinator

EODC EARTH OBSERVATION DATA CENTRE FOR WATER RESOURCES MONITORING GMBH

Net EU contribution

€ 376,971.75

Address

Franz-grill-strasse 9
1030 Wien
Austria

SME
Yes

Region

Ostösterreich > Wien > Wien

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

Participants (10)

STICHTING EGI
STICHTING DELTARES

Netherlands

Net EU contribution

€ 163 875,00

Address

Boussinesqweg 1
2629 HV Delft

Region

West-Nederland > Zuid-Holland > Delft en Westland

Activity type

Research Organisations

Links

Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00
CESNET ZAJMOVE SDRUZENI PRAVNIKYCH OSOB

Czechia

Net EU contribution

€ 168 747,00

Address

Generala piky 430/26
160 00 Praha 6

Region

Česko > Praha > Hlavní město Praha

Activity type

Research Organisations

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

ISTITUTO NAZIONALE DI FISICA NUCLEARE

Italy

Net EU contribution

€ 132 513,00

Address

Via enrico fermi 54
00044 Frascati

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
**SURF BV**
Netherlands
Net EU contribution
€ 185 905,00
Address
Moreelsepark 48
3511 EP Utrecht
Region
West-Nederland > Utrecht > Utrecht
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

**VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.**
Belgium
Net EU contribution
€ 225 611,75
Address
Boeretang 200
2400 Mol
Region
Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout
Activity type
Research Organisations
Links
NATIONAL INFRASTRUCTURES FOR RESEARCH AND TECHNOLOGY

Greece
Net EU contribution
€ 123 820,00

Address
Leoforos kifias 7
11523 Athina

Region
Αττική > Κεντρικός Τομέας Αθηνών

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Other funding
€ 0,00

CLOUDFERRO SA

Poland
Net EU contribution
€ 120 318,00

Address
Ul. nowogrodzka 31
00-511 Warszawa

SME
Yes

Region
Makroregion województwo mazowieckie > Warszawski stołeczny > Miasto Warszawa

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

ASSOCIACAO INCD

Portugal
Net EU contribution
€ 75 227,25

Address
Av de brasil 101
Lisboa

Region
Continente > Área Metropolitana de Lisboa > Área Metropolitana de Lisboa

Activity type
Research Organisations

Links
- Contact the organisation
- Participation in EU R&I programmes
- HORIZON collaboration network

Other funding
€ 0,00

TECHNISCHE UNIVERSITAET WIEN

Austria
Net EU contribution
€ 70 518,75

Address