



Evolution of Emergency Copernicus services

Fact Sheet

Project Information

E2mC

Grant agreement ID: 730082

[Project website](#)

DOI

[10.3030/730082](https://doi.org/10.3030/730082)

Project closed

EC signature date

29 October 2016

Start date

1 November 2016

End date

30 April 2019

Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Space

Total cost

€ 1 850 000,00

EU contribution

€ 1 500 000,00

Coordinated by

E-GEOS SPA



Italy

Objective

E2mC aims at demonstrating the technical and operational feasibility of the integration of social media analysis and crowdsourced information within both the Mapping and Early Warning Components of Copernicus Emergency Management Service (EMS). The Project will develop a prototype of a new EMS Service Component (Copernicus Witness), designed to exploit social media analysis and crowdsourcing capabilities to generate a new Product of the EMS Portfolio. The purpose of the new Copernicus Witness Service Component is to improve the timeliness and accuracy of geo-spatial information provided to Civil Protection authorities, on a 24/7 basis, during the overall crisis management cycle and,

particularly, in the first hours immediately after the event. This will result in an early confirmation of alerts from running Early Warning Systems as well as first rapid impact assessment from the field.

The technological enabler of the Copernicus Witness is the innovative and scalable Social&Crowd (S&C) Platform, developed by E2mC.

Heterogeneous social media data streams (Twitter, Facebook, Instagram,... and different data: text, image, video, ...) will be analysed and sparse crowdsourcing communities will be federated (crisis specific as Tomnod, HOT, SBTF and generic as Crowdcrafting, EpiCollect,...).

Two demonstration loops will validate the usefulness of Copernicus Witness and the S&C Platform suitability to allow EC to evaluate possible Copernicus EMS evolution options. E2mC will perform demonstrations within realistic and operational scenarios designed by the Users involved within the Project (Civil Protection Authorities and Humanitarian Aid operators, including their volunteer teams) and by the current Copernicus EMS Operational Service Providers that are part of the E2mC Consortium.

The involvement of social media and crowdsourcing communities will foster the engagement of a large number of people in supporting crisis management; many more citizens will become aware of Copernicus.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > [aerospace engineering](#) > [satellite technology](#)

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [electronic engineering](#) > [sensors](#)

[social sciences](#) > [sociology](#) > [governance](#) > [crisis management](#)



Programme(s)

[H2020-EU.2.1.6. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Space](#) MAIN PROGRAMME

[H2020-EU.2.1.6.3. - Enabling exploitation of space data](#)

Topic(s)

[EO-3-2016 - Evolution of Copernicus services](#)

Call for proposal

[H2020-EO-2016](#) 

[See other projects for this call](#)

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



E-GEOS SPA

Net EU contribution

€ 400 992,50

Total cost

€ 400 992,50

Address

LOCALITA TERLECCHIE

75100 Matera

 **Italy** 

Region

Sud > Basilicata > Matera

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (11)



PARIS-LODRON-UNIVERSITAT SALZBURG

 **Austria**

Net EU contribution

€ 114 097,50

Address

KAPITELGASSE 4-6

5020 Salzburg 

Region

Westösterreich > Salzburg > Salzburg und Umgebung

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 114 097,50



TERRANEA UG (HAFTUNGSBESCHRANKT) GMBH

 Germany

Net EU contribution

€ 114 742,50

Address

BAHNHOFSTRASSE 120

82269 Geltendorf 

SME 

Yes

Region

Bayern > Oberbayern > Landsberg am Lech

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 114 742,50



UNIVERSITE DE STRASBOURG

 France

Net EU contribution

€ 130 865,00

Address

RUE BLAISE PASCAL 4

67081 Strasbourg 

Region

Grand Est > Alsace > Bas-Rhin

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 130 865,00



POLITECNICO DI MILANO

 Italy

Net EU contribution

€ 170 473,75

Address

PIAZZA LEONARDO DA VINCI 32

20133 Milano 

Region

Nord-Ovest > Lombardia > Milano

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 170 473,75



PUBLIC SAFETY COMMUNICATION EUROPE FORUM AISBL

 Belgium

Net EU contribution

€ 200 192,50

Address

RUE DES DEUX EGLISES 39
1000 Bruxelles / Brussel 

SME 

Yes

Region

Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/ Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad

Activity type

Other

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 200 192,50



COLLECTE LOCALISATION SATELLITES

 France

Net EU contribution

€ 58 641,25

Address

11 RUE HERMES
31520 Ramonville St Agne 

Region

Occitanie > Midi-Pyrénées > Haute-Garonne

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 58 641,25



FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

 Germany

Net EU contribution

€ 80 158,75

Address

HANSASTRASSE 27C
80686 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 80 158,75



KAJO SRO

 Slovakia

Net EU contribution

€ 77 300,00

Address

SLADKOVICOVA 228/8
014 01 Bytca 

SME 

Yes

Region

Slovensko > Stredné Slovensko > Žilinský kraj

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](#) 

Total cost

€ 77 300,00



AUTONOOM PROVINCIEBEDRIJF CAMPUS VESTA

 Belgium

Net EU contribution

€ 102 380,00

Address

OOSTMALSESTEENWEG 75

2520 Emblem Ranst 

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Antwerpen

Activity type

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 102 380,00



GAF AG

 Germany

Net EU contribution

€ 50 156,25

Address

ARNULFSTRASSE 199

80634 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 50 156,25



UNIVERSITE DE GENEVE

 Switzerland

Net EU contribution

€ 0,00

Address

RUE DU GENERAL DUFOUR 24

1211 Geneve 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Genève

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 350 000,00

Last update: 3 September 2022

Permalink: <https://cordis.europa.eu/project/id/730082>

European Union, 2025

