Evolution of Emergency Copernicus services

Fact Sheet

Project Information

E2mC
Grant agreement ID: 730082
Funded under H2020-EU.2.1.6.3.
Overall budget € 1 850 000
EU contribution € 1 500 000
Coordinated by E-GEOS SPA
Italy

Start date 1 November 2016
End date 30 April 2019

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.

Field of science

/social sciences/sociology/governance/crisis management
/social sciences/sociology/governance/public services

Programme(s)

Topic(s)

Call for proposal

H2020-EO-2016

Funding Scheme

RIA - Research and Innovation action

Coordinator

E-GEOS SPA

Address  
Contrada Terlecchie  
75100 Matera  
Italy

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

EU contribution  
€ 400 992,50

Website  
Contact the organisation
Participants (11)

PARIS-LODRON-UNIVERSITAT SALZBURG
Austria
EU contribution
€ 114 097,50
Address
Kapitelgasse 4-6
5020 Salzburg
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

TERRANEA UG (HAFTUNGSBESCHRANKT) GMBH
Germany
EU contribution
€ 114 742,50
Address
Bahnhofstrasse 120
82269 Geltendorf
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation

UNIVERSITE DE STRASBOURG
France
EU contribution
€ 130 865
Address
Rue Blaise Pascal 4
67081 Strasbourg
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

POLITECNICO DI MILANO
Italy
EU contribution
€ 170 473,75
Address
Piazza Leonardo Da Vinci 32
Activity type
Higher or Secondary Education Establishments
PUBLIC SAFETY COMMUNICATION EUROPE FORUM AISBL

Belgium

EU contribution
€ 200 192,50

Address
Rue Des Deux Eglises 39
1000 Bruxelles

Activity type
Other

Website
Contact the organisation

SYSTEMES D’INFORMATION A REFERENCE SPATIALE - SIRS

France

EU contribution
€ 58 641,25

Address
27 Rue Du Carrousel Parc De La Cimaise Immeuble 1
59650 Villeneuve D Ascq

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

Website
Contact the organisation

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

Germany

EU contribution
€ 80 158,75

Address
Hansastrasse 27C
80686 Munchen

Activity type
Research Organisations

Website
Contact the organisation

KAJO SRO

Slovakia

EU contribution
€ 77 300

Address
Sladkovicova 228/8

Activity type
Private for-profit entities
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