

GEO-SAFE

Project ID: 691161

Finanziato nell'ambito di:

H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

Geospatial based Environment for Optimisation Systems Addressing Fire Emergencies

Dal 2016-05-01 al 2020-04-30, progetto in corso | [GEO-SAFE Sito web](#)

Dettagli del progetto

Costo totale: EUR 1 386 000	Argomento (i): MSCA-RISE-2015 - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)
Contributo UE: EUR 1 080 000	Meccanismo di finanziamento: MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)
Coordinato in: United Kingdom	

Obiettivo

In EU and Australia, every year thousands of square miles of forests and other lands burn due to wildfires. These fires cause important economic and ecological losses, and often, human casualties. Both EU and Australian governments are aware of how crucial it is to improve wildfires' management and containment. Scientists from different specialties, both in EU and Australia, have already developed methods and models in order to improve the management and decision process pertaining to preparedness and response phases in case of bushfire. The present project, named Geospatial based Environment for Optimisation Systems Addressing Fire Emergencies (GEO SAFE), aims at creating a network enabling the two regions to exchange knowledge, ideas and experience, thus boosting the progress of wildfires knowledge and the related development of innovative methods for dealing efficiently with such fires.

More precisely, the GEO SAFE project will focus on developing the tools enabling to set up an integrated decision support system optimizing the resources during the response phase, through:

- Developing a dynamic risk cartography of a region with regard to the possibility of a wildfire. The task will involve data collection (satellite and remote sensors), risk analysis and development of a tool enabling to forecast fire extension, and in particular to predict fire and risk evolution during the response phase
- Designing and testing a resource allocation tool for the response phase using the dynamic risk cartography. One of the problems to consider will be the resource allocation for securing key places (schools, hospitals,) given time dependent constraints. Problems will be identified through connections with final users, and the proposed solutions will be tested on simulated data.
- Developing analyses of relevant management processes as well as training tools in order to facilitate the implementation of such solution to be completed

Informazioni correlate

Sintesi delle relazioni	Periodic Reporting for period 1 - GEO-SAFE (Geospatial based Environment for Optimisation Systems Addressing Fire Emergencies)
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Coordinatore

UNIVERSITY OF GREENWICH
Old Royal Naval College, Park Row, Greenwich
SE10 9LS LONDON
United Kingdom
[See on map](#)

United Kingdom

Contributo UE: EUR 166 500

Activity type: Higher or Secondary Education Establishments

[Contact the organisation](#)

Partecipanti

UNIVERSITA DEGLI STUDI DELL'AQUILA
PIAZZA VINCENZO RIVERA 1
67100 L AQUILA
Italy
[See on map](#)

Italy

Contributo UE: EUR 45 000

Activity type: Higher or Secondary Education Establishments

[Contact the organisation](#)

UNIVERSITEIT TWENTE
DRIENERLOLAAN 5
7522 NB ENSCHEDE
Netherlands
[See on map](#)

Netherlands

Contributo UE: EUR 108 000

Activity type: Higher or Secondary Education Establishments

[Contact the organisation](#)

SERVICE DEPARTEMENTAL D'INCENDIE ET DE SECOURS DE LA HAUTE-CORSE
LIEU DIT CASETTA
20600 FURIANI
France
[See on map](#)

France

Contributo UE: EUR 54 000

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

[Contact the organisation](#)

ENTENTE POUR LA FORÊT MÉDITERRANÉENNE
Centre Francis Arrighi, Domaine de Valabre
13120 Gardanne
France
[See on map](#)

France

Contributo UE: EUR 36 000

Activity type: Research Organisations

[Contact the organisation](#)

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS
RUE MICHEL ANGE 3
75794 PARIS
France
[See on map](#)

France

Contributo UE: EUR 81 000

Activity type: Research Organisations
[Contact the organisation](#)

FUNDACIO D'ECOLOGIA DEL FOC I GESTIO D'INCENDIS PAU COSTA ALCUBIERRE
AV. MOSSEN CINTO VERDAGUER, 42 ESC A, PLANTA BX, P
08552 TARADELL
Spain
[See on map](#)

Spain

Contributo UE: EUR 144 000

Activity type: Research Organisations
[Contact the organisation](#)

UNIVERSIDAD COMPLUTENSE DE MADRID
AVENIDA DE SENECA 2
28040 MADRID
Spain
[See on map](#)

Spain

Contributo UE: EUR 144 000

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

UNIVERSITE DE GENEVE
RUE DU GENERAL DUFOUR 24
1211 GENEVE
Switzerland
[See on map](#)

Switzerland

Contributo UE: EUR 13 500

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

UNIVERSITA DEGLI STUDI DI PERUGIA
PIAZZA DELL' UNIVERSITA 1
06123 PERUGIA
Italy
[See on map](#)

Italy

Contributo UE: EUR 45 000

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

UNIVERSITE CLERMONT AUVERGNE
49 BOULEVARD FRANCOIS MITTERRAND
63000 CLERMONT-FERRAND
France
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France

Contributo UE: EUR 45 000

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

UNIVERSITE DE TECHNOLOGIE DE COMPIEGNE
RUE DU DOCTEUR SCHWEITZER CS 60319 CENTRE PIERRE GUILLAUMAT
60203 COMPIEGNE CEDEX
France
[See on map](#)

France

Contributo UE: EUR 27 000

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

UNIVERSITE PARIS DAUPHINE
PLACE DU MARECHAL DE LATTRE DE TASS IGNY
75775 PARIS CEDEX 16
France
[See on map](#)

France

Contributo UE: EUR 54 000

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

ECOLE DE MANAGEMENT DE NORMANDIE  *Partecipazione terminata*
30 RUE DE RICHELIEU
76600 LE HAVRE
France
[See on map](#)

France

Contributo UE: EUR 4 500

Activity type: Other
[Contact the organisation](#)

CONSEJERIA DE MEDIO AMBIENTE Y ORDENACION DEL TERRITORIO
AVDA. GUARDIA CIVIL, 1
41071 SEVILLA
Spain
[See on map](#)

Spain

Contributo UE: EUR 54 000

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
[Contact the organisation](#)

POLITECNICO DI TORINO
CORSO DUCA DEGLI ABRUZZI 24
10129 TORINO
Italy
[See on map](#)

Italy

Contributo UE: EUR 31 500

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

MINISTERO DELL'INTERNO
Piazza del Viminale 1
00184 ROME
Italy
[See on map](#)

Italy

Contributo UE: EUR 27 000

Activity type: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
[Contact the organisation](#)

Partner organisations

ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY*
UNIVERSITY

Australia

LA TROBE STREET 124
3001 MELBOURNE
Australia
[See on map](#)

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

BUSHFIRE AND NATURAL HAZARDS CRC
LIMITED

Australia

LEVEL 1 340 ALBERT ST
3002 EAST MELBOURNE
Australia
[See on map](#)

Activity type: Research Organisations
[Contact the organisation](#)

UNIVERSITY OF MELBOURNE
PARKVILLE OFFICE OF THE VICE CHANCELLOR
3010 MELBOURNE

Australia

Australia
[See on map](#)

Activity type: Higher or Secondary Education Establishments
[Contact the organisation](#)

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