

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

Programma(i)

[H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge](#)

Argomento(i)

[MSCA-RISE-2015 - Marie Skłodowska-Curie Research and Innovation Staff Exchange \(RISE\)](#)

Invito a presentare proposte

H2020-MSCA-RISE-2015

[Vedi altri progetti per questo bando](#)

Meccanismo di finanziamento

MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)



Leaflet | Map data © OpenStreetMap contributors, Credit: EC-GISCO, © EuroGeographics for the administrative boundaries

Informazioni relative al progetto

GEO-SAFE

ID dell'accordo di sovvenzione: 691161

[Sito web del progetto](#)

Stato

Progetto in corso

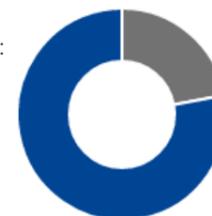
Data di avvio
1 Maggio 2016

Data di completamento
30 Aprile 2020

Finanziato da:
H2020-EU.1.3.3.

Bilancio complessivo:
€ 1 386 000

Contributo UE
€ 1 080 000



Coordinato da:
UNIVERSITY OF GREENWICH
Regno Unito

Coordinatore



UNIVERSITY OF GREENWICH

Indirizzo
Old Royal Naval College, Park
Row, Greenwich
Se10 9ls London

Regno Unito

Tipo di attività
Higher or Secondary Education
Establishments

Contributo UE
€ 166 500

[Sito web](#)[Contatta l'organizzazione](#)

Partecipanti (16)

[Classifica in ordine alfabetico](#)[Classifica per Contributo UE](#)[Espandi tutto](#)

	UNIVERSITA DEGLI STUDI DELL'AQUILA Italia	Contributo UE € 45 000	▼
	UNIVERSITEIT TWENTE Paesi Bassi	Contributo UE € 108 000	▼
	SERVICE DEPARTEMENTAL D'INCENDIE ET DE SECOURS DE LA HAUTE-CORSE Francia	Contributo UE € 54 000	▼
	ENTENTE POUR LA FORÊT MÉDITERRANÉENNE Francia	Contributo UE € 36 000	▼
	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS Francia	Contributo UE € 81 000	▼
	FUNDACIO D'ECOLOGIA DEL FOC I GESTIO D'INCENDIS PAU COSTA ALCUBIERRE Spagna	Contributo UE € 144 000	▼
	UNIVERSIDAD COMPLUTENSE DE MADRID Spagna	Contributo UE € 144 000	▼
	UNIVERSITE DE GENEVE Svizzera	Contributo UE € 13 500	▼
	UNIVERSITA DEGLI STUDI DI PERUGIA Italia	Contributo UE € 45 000	▼
	UNIVERSITE CLERMONT AUVERGNE Francia	Contributo UE € 45 000	▼
	UNIVERSITE DE TECHNOLOGIE DE COMPIEGNE Francia	Contributo UE € 27 000	▼
	UNIVERSITE PARIS DAUPHINE Francia	Contributo UE € 54 000	▼
	ECOLE DE MANAGEMENT DE NORMANDIE  Francia	Contributo UE € 4 500	▼
	CONSEJERIA DE MEDIO AMBIENTE Y ORDENACION DEL TERRITORIO Spagna	Contributo UE € 54 000	▼
	POLITECNICO DI TORINO Italia	Contributo UE € 31 500	▼
	MINISTERO DELL'INTERNO Italia	Contributo UE € 27 000	▼

Partner (3)

[Classifica in ordine alfabetico](#)[Espandi tutto](#)

	ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY*RMIT UNIVERSITY	▼
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BUSHFIRE AND NATURAL HAZARDS CRC LIMITED



UNIVERSITY OF MELBOURNE



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Scarica

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