

Space

Copernicus EMS in support of crisis preparedness and response operations

Copernicus Emergency Management Service

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The long way to EMS



Emergencies have no boundaries, from Space

2





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Copernicus Emergency Management Service

Copernicus Emergency Management Service (Copernicus EMS) provides information for emergency response in relation to different types of disasters, including meteorological hazards, geophysical hazards, deliberate and accidental man-made disasters and other humanitarian disasters as well as prevention, preparedness, response and recovery activities. Three modules constitute the Copernicus EMS:

Copernicus EMS - Mapping

Floods

8 Fires

C Tsunamis

Landslides

▶ 0:00 / 1:22 ●-

The Copernicus EMS - Mapping addresses, with worldwide coverage, a wide range of emergency situations resulting from natural or man-made disasters. Satellite imagery is used as the main datasource. The service covers in particular:

+ Earthquakes S Technological disasters

Severe Storms

Volcanic eruptions

W Humanitarian crises



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European Flood Awareness System

events across Europe. It provides its partners (national/regional authorities, as well as the European Commission's Emergency Response Coordination Centre) with a wide range of complementary, added value flood early warning information including related risk assessments up to 10 days in advance.



emergency.copernicus.eu

Specific applications are available in EFFIS: spots and perimeters.



European Forest Fire Information System

Current Situation

Mediterranean

Latest data on the current

fire season in Europe and in

Today's meteorological fire

danger maps + forecast up

to 6 days, daily maps of hot

area

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European Commission



EMS Mapping: what kind of disasters?







What is Copernicus EMSMapping Services?

Rapid Mapping

On-demand and fast provision (within hours or days) of geospatial information in support of emergency management activities immediately following an emergency event such as: natural & man-made disasters globally

Risk and Recovery Mapping

Delivery of maps and analyses within weeks or months, in support of activities dealing with recovery, reconstruction, disaster risk reduction, preparedness and prevention

- More than 4 years of un-discontinued H24/365 operations
- 194 RM activations and 30 RRM
- More than 40 worldwide Users organizations triggering the service
- Providing support in more than 50 different Countries worldwide
- Nearly 3000 maps delivered to the end users
- Accurate analysis and dossier delivered in RRM mode



The EMS Mapping operational actors

DG JRC

Joint Research Centre of the European Commission, technical supervision of operations, management of dissemination platforms

Authorized Users

Generally Civil Protection Authorities or other National Focal Points, they can submit a request for activation to the ERCC



ERCC @DG ECHO

The Emergency Response Coordination Centre, entry point for the EMS activations, providing 24/7 responses to all request coming from the EMS users

ESA

The European Space Agency, providing the REACT, a fully dedicated team to promptly support EO data to the EMS mapping team

Service Provider

Private sector consortia, in charge of the EMS activation coordination and mapping tasks



How to access to the Mapping Service

- The Service can be directly activated by nominated Authorised Users (AU)
- Entities which are not Authorised Users and which wish to activate the Mapping service must identify to their NFP or contact ERCC
- The Commission Services and the European External Action's Situation room are Authorized Users
- The AU must fill the Services Request Form (SRF) and send by email to the ERCC

More information on the Mapping service at <u>www.emergency.copernicus.eu</u>

Contact ERCC at <u>echo-ercc@ec.europa.eu</u> if you want to activate the EMS mapping



Activation details	(provide this sheet or	nce per activatio			
Activating institution	٦				
National Focal Point	EC Services			EEAS	
Organisation Name:					
Contact Person:					
Phone	(Office)		Mobile:		
E-mail:			Fax:		
Activation date:	/ / (dd/mm/y	yyy)			
Activated on behalf of (optional):					
Details on the disast	er				
Disaster type		Time a	nd location		
Fire (forest or wild fire)		Date (d	d/mm/yyyy):	11	
Flood		Time (L	TC):	:	
Earthquake		Country	:		
Industrial accident		Region	or District:		
Wind storm Other (Please specify):			umber (if available): /www.glidenumber.net		
Additional information (e.g	. extent, damage, affe	ected population	, end users, links to me	edia or situation reports):	
Triggering other server					
The user triggered other se	CYes If ye	s, please specify:			
The user plans to trigger of	ther services CNo	EYes If ye	s, please specify:		
Copernicus EMS Rapid Mapping Service Request Form (SRF)	3			Coorraic	



Who can use the Service?

Emergency Management There are three distinct user categories:

- Authorized Users may trigger the service directly to the European Response Coordination Centre (ERCC)
 - National Focal Points (NFPs) in EU Member States and in countries participating in the European Civil Protection Mechanism as well as EC Services (DGs) and the Situation Room of the EEAS.
- Associated Users must go through the Authorised Users to trigger the service
 - local, regional and other public entities
 - International Governmental Organisations (e.g. UN agencies, World Bank), and National & International Non-Governmental Organisations
 - entities and institutions within the EEAS sphere such as EU Delegations, the INTCEN, the EU Satellite Centre
- General Public Users are not authorised to trigger the service, but can be informed of an activation request through the web portal emergency.copernicus.eu





