



THE COPERNICUS EMERGENCY MANAGEMENT SERVICE



The Copernicus Emergency Management Service (CEMS) supports all actors involved in the management of natural or man-made disasters by providing geospatial information to inform decision making. CEMS constantly monitors Europe to forecast, analyse, and provide information for resilience strategies. In predicted events, the service immediately notifies users of their findings and can be activated on-demand to provide maps, time-series or other relevant information to better manage disaster risk.

CONTINUOUS
24H/365
OPERATIONS
SINCE 2012

SUPPORTING
ALL PHASES OF
THE DISASTER
MANAGEMENT CYCLE

1200 DROUGHT
EVALUATIONS
GLOBALLY PER YEAR

AVERAGE
1400 FLOOD
WARNINGS
ISSUED PER YEAR

AVERAGE **100** ON-
DEMAND MAPPING
ACTIVATIONS PER
YEAR

ON-DEMAND MAPPING



The component provides on-demand detailed information for selected emergency situations that arise from natural or man-made disasters anywhere in the world.

- **Rapid Mapping** provides geospatial information within hours or days of a service request in order to support emergency management activities in the immediate aftermath of a disaster.
- **Risk & Recovery Mapping** supplies geospatial information in support of Disaster Management activities including prevention, preparedness, risk reduction and recovery phases.

EARLY WARNING AND MONITORING



The component offers anticipatory critical geospatial information at European and global level through continuous monitoring and forecasts for floods, droughts, and forest fires through the following systems:

- The **European and Global Flood Awareness Systems (EFAS; GloFAS)** provide complementary flood forecast information supporting flood risk management at all levels.
- The **European Forest Fire Information System (EFFIS)** monitors forest fire activity in near-real time and supports wildfire management.
- The **European and Global Drought Observatory (EDO; GDO)** providing drought-relevant information, early-warnings and forecasts.



Copernicus
at a Glance

<https://emergency.copernicus.eu/>

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Space

