



## The Copernicus Emergency Management Service (EMS) On-demand Mapping

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PROGRAMME OF THE EUROPEAN UNION







# CEMS:

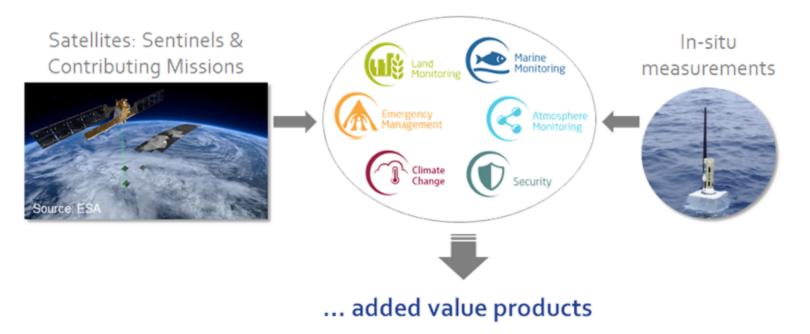
# On-demand Mapping

## **EU'S EARTH OBSERVATION PROGRAMME**





#### 6 services use Earth Observation data to deliver ...







## **Copernicus Emergency Management Service**



- CEMS is operational since **2012**
- Supports all actors involved in the management of natural or manmade disasters
- Addresses all phases of the disaster management cycle from preparedness, response to recovery and prevention
  - Preparedness: forecasts
  - Prevention: risk assessment and reduction
  - Response: rapid maps and monitoring of events
  - Recovery: post-disaster recovery analyses

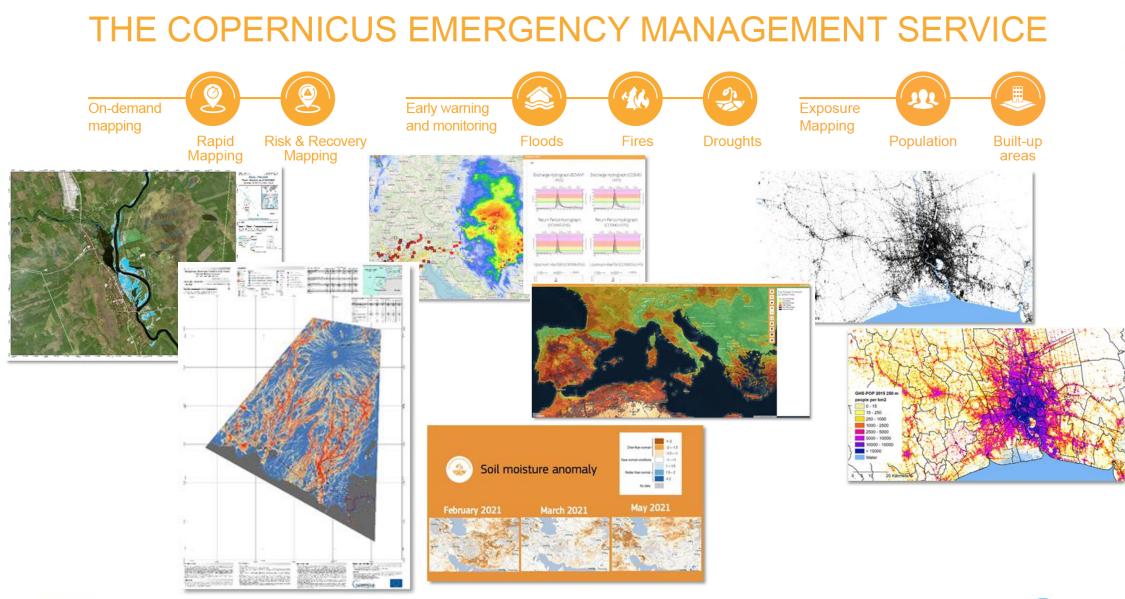
Complementary to national efforts

Supporting the EU's **Emergency Response & Coordination Centre** (ERCC) in Brussels Jointly coordinated by three Commission DGs:

- **DG DEFIS**: overall governance, budget implementation
- **DG JRC**: operational implementation, technical coordination, contractual management, monitoring & quality assurance of deliverables
- **DG ECHO**: operational coordination including interface with the users & authorisation of activations











### **CEMS ON-DEMAND MAPPING**

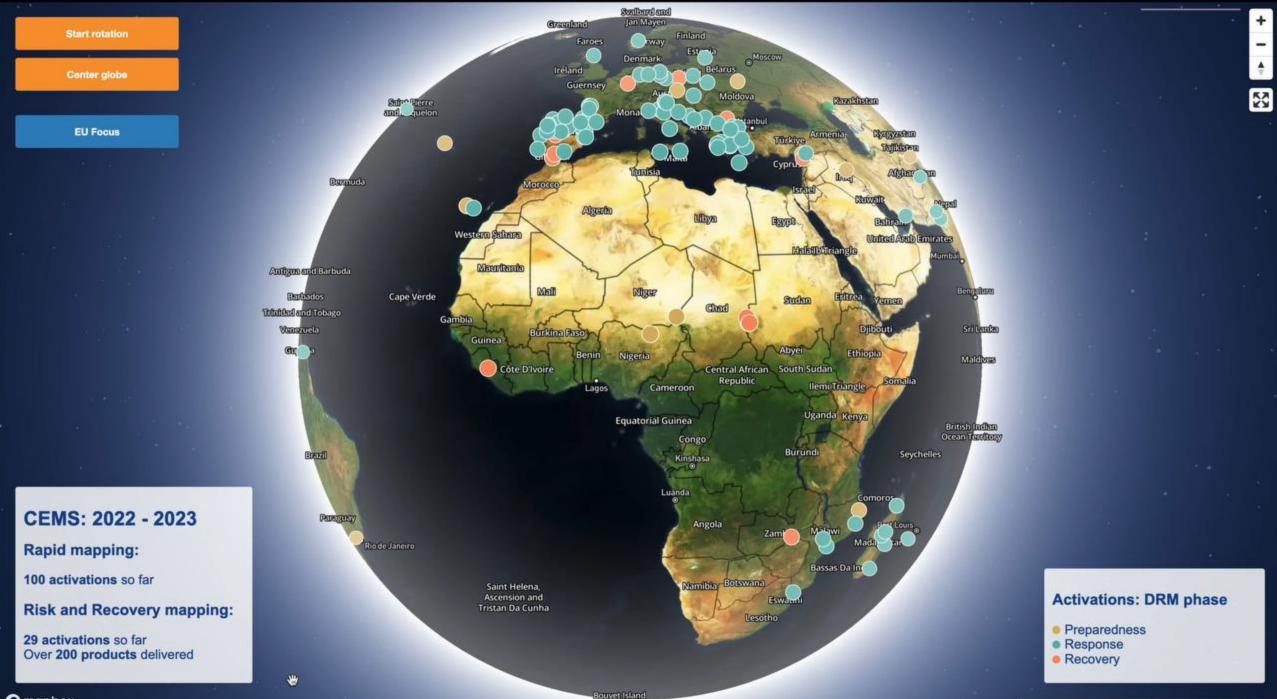


- Worldwide coverage service implemented by the European Commission's JRC, supervised by DG ERCC and DG DEFIS
- Provides satellite-based maps and data for Civil Protection Authorities and authorised users since 2012.
- Delivers digital geodata and printed map outputs
- Covers all the phases of disaster management cycle of prevention/preparedness, response and recovery



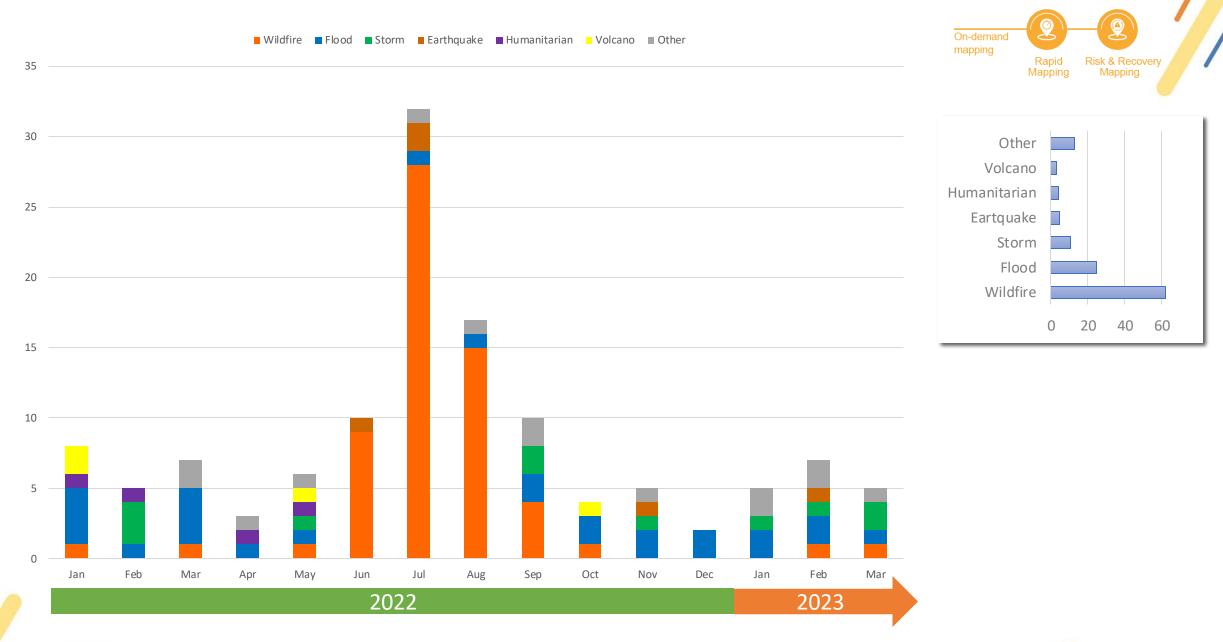






mapbox

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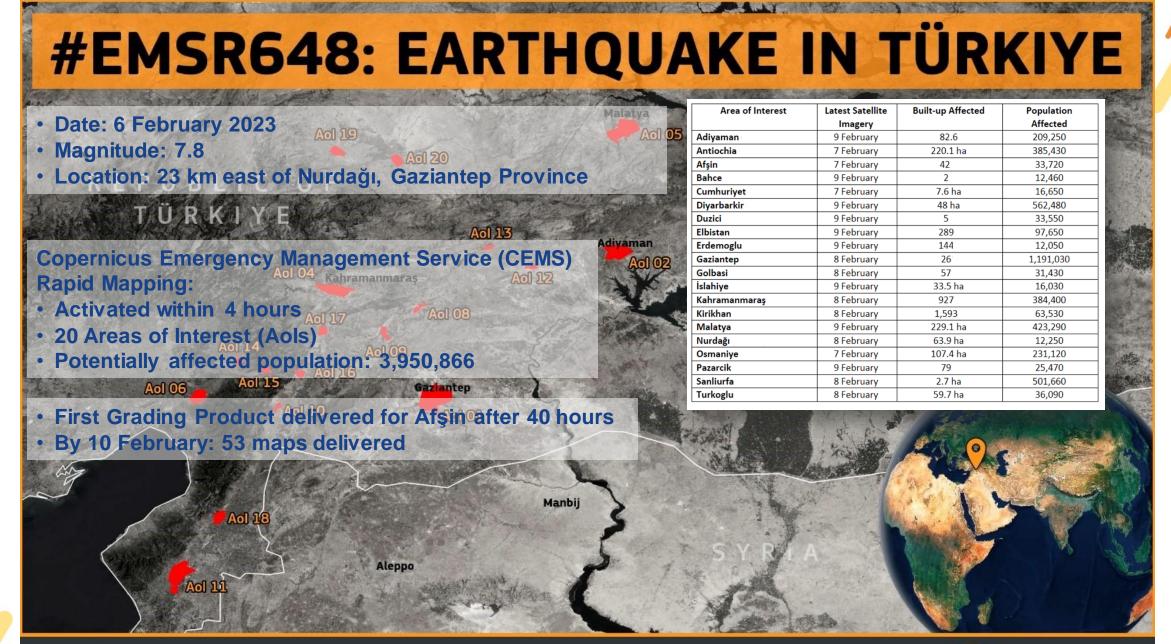


European Commission



# CEMS Ondemand mapping:

2023 Earthquake in Turkiye and Syria



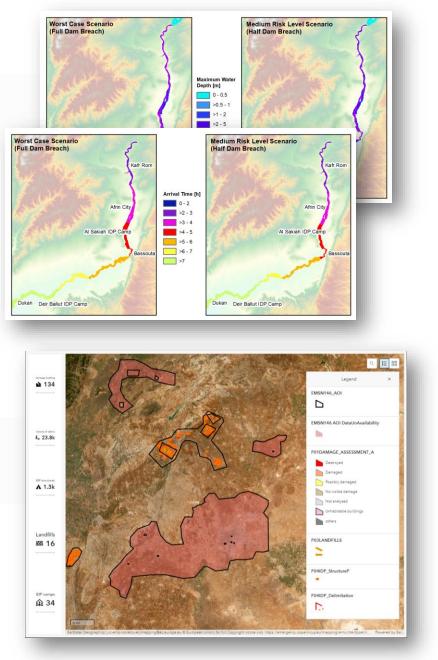






Risk and Recovery mapping delivered dam break scenario for Maydanki Dam, Syria 2 days of production (Fast FLEX)

Risk and Recovery mapping is producing detailed damage assessment, debris quantification and internal refugee camps monitoring







## **STAY CONNECTED**



@CopernicusEMS



emergency.copernicus.eu



activations.emergency.copernicus.eu (Activations Viewer)

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