mapcy

Mapping and Analytics for Emergency

e-GEOS Mapping on Demand services and platform for **emergency & disaster management**.

Mapcy provides on-demand, 24/7 close real time geo-information services everywhere in the world, exploiting any available satellite sensor, providing the emergency managers with **fresh, accurate and extensive information** on the ongoing events through standard and customised maps and analytics **within 3 hours from the data availability**.

CAPABILITIES

- USE OF MULTIPLE SENSORS
- INTEGRATION WITH METEO DATA
- INTERACTIVE DASHBOARD AND ANALYTICS
- SMART ACCESS TO INFORMATION
- GLOBAL AND 24/7 NEAR REAL TIME MONITORING
- AUTOMATIC EARLY WARNING

Based on satellite, airborne, RPAS data and integrating them with social media data or on site data, Mapcy is able to provide the emergency manager with useful information to support on field teams and reconstruction activities.

A team of expert operates all year round **24/7 solutions** to guarantee a **quick response in case of emergency** and support in the definition of the best products to assist the emergency management.

Reference maps: a comprehensive and updated situation of the territory and relevant assets prior to the emergency.

Damage Assessment maps: a set of different map types reporting the status of the affected areas during and after the crises, after few hours from the data availability and highlighting the events extension and main damages to assets and infrastructures

European Leader for Emergency Mapping Services

e-GEOS has been awarded by the European Commission for the provision of rapid mapping services **supporting emergency and disaster events**, as leader of consortium of companies. Now with the name **Copernicus Emergency Management Service**, the service provides Civil protections and National authorities with damage assessment map products all over the word.

Copernicus
Europe's eyes on Earth

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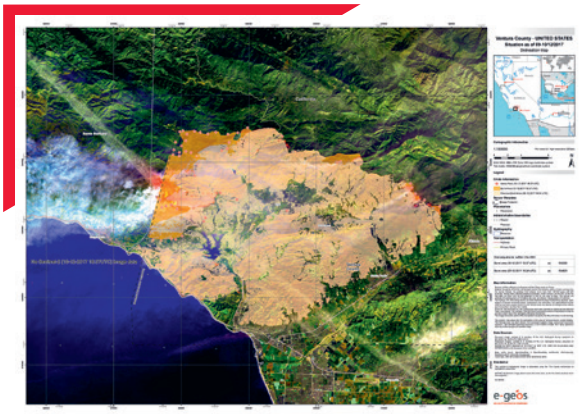
Types of Emergency Management Service activation

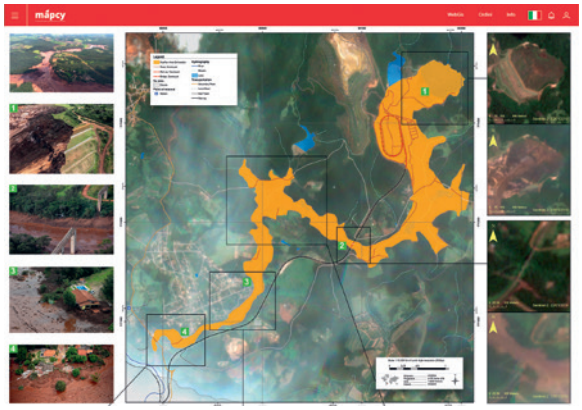
- FIRE
- FLOODS
- VOLCANOES
- EARTHQUAKES
- OIL SPILLS
- HUMANITARIAN CRISIS
- BORDER CONFLICTS
- HURRICANE AND STORM

Damage Assessment Maps



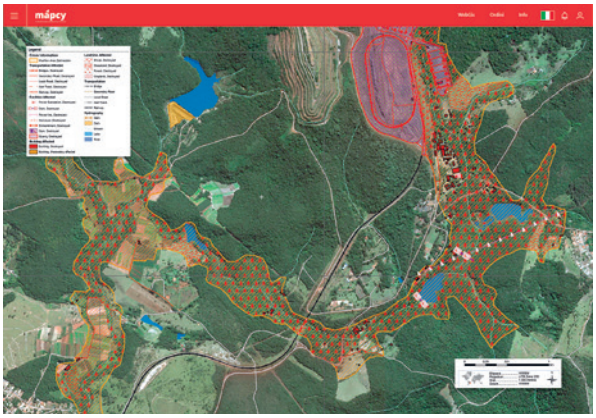
DELINEATION

Delineation products provide an assessment of the event impact and extent.



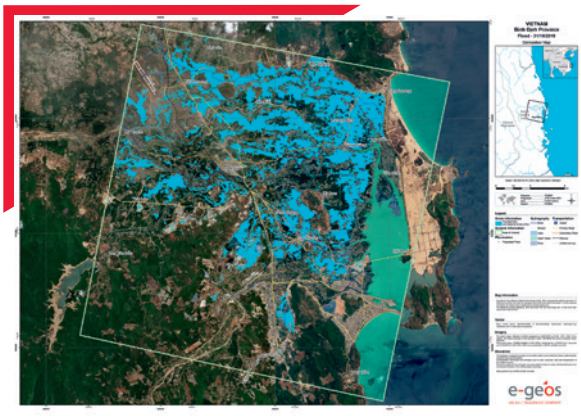
GRADING

Provide information about the damage grade, its spatial distribution and extent.



CUSTOMISED AND DAMAGE PROXY MAP

Customised damage assessment maps and damage proxy maps to identify in remote and wide areas the affected structures.



ENHANCED FLOOD FOOTPRINT

Hydraulic model providing information on flood extent, depth and velocity based on integration of satellite, on site and social media data.

A SUITE OF SOLUTIONS, BASED ON:

- Multimission satellite data
- Social media & On site data
- Advanced analytics tools
- 24/7/365 operational capabilities
- Sole provider COSMO SkyMed, the best response for emergency

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