Copernicus
EMS in support of crisis preparedness and response operations - examples -

Copernicus Emergency Management Service
Emergency Management

**Copernicus EMS - components**

**Mapping**
- **Rapid Mapping**
  - On demand
  - Standardised
  - Hours-days

**Early Warning**
- **Early Warning**
  - Floods: EFAS
  - Forest Fires: EFFIS
- **Continuous Alerts**

**Risk and Recovery Mapping**
- On demand
- Tailored to user needs
- Weeks-months

**Reference Maps**
- Pre-Disaster Situation Maps
- Post-Disaster Situation Maps

**Validation**
Welcome to the Geohazard Supersites and Natural Laboratories GEO initiative
Rapid Mapping - volcanic activities

EMSR111: Volcanic eruption at Fogo Island (Cape Verde)

Event Time (UTC): 2014-11-23 07:30
Event Time (LOC): 2014-11-23 06:30
Activation Time (UTC): 2014-11-24 23:00
Affected Countries/Territories:
CV Republic of Cape Verde
Area Descriptor: Fogo Island
Authorized User: Portugal | National Command for Relief Operations - National Authority for Civil Protection

Eruption in Fogo Island (Cape Vert) started early morning of Sunday 23rd. Last eruption occurred in April 1995 and lasted about one month, destroying hundreds of houses. Local authorities already started to evacuate population from the affected zones as lava is flowing fast.
Emergency Management

Rapid Mapping – volcanic activities

2014-12-05
EMSN047: Volcanic risk in Democratic Republic of the Congo

Activation Time (UTC): 2018-03-30 00:00
Affected Countries/Territories:
CD Democratic Republic of the Congo
Area Descriptor: Goma, Congo
Authorized User:
European Commission, DG ECHO, Emergency Response and Coordination Center (ERCC) on behalf of Goma Volcano Observatory

The purpose of the requested mapping is to generate comprehensive knowledge through performing pre-disaster situation analysis, concerning a potential eruption of the Nyiragongo volcano located near to Goma, Democratic Republic of Congo (DRC).
Rapid Mapping – volcanic activities

Lava flow hazard map
Rapid Mapping - volcanic activities

Transportation Network Vulnerability to disruption Map - Volcanic Risk Assessment