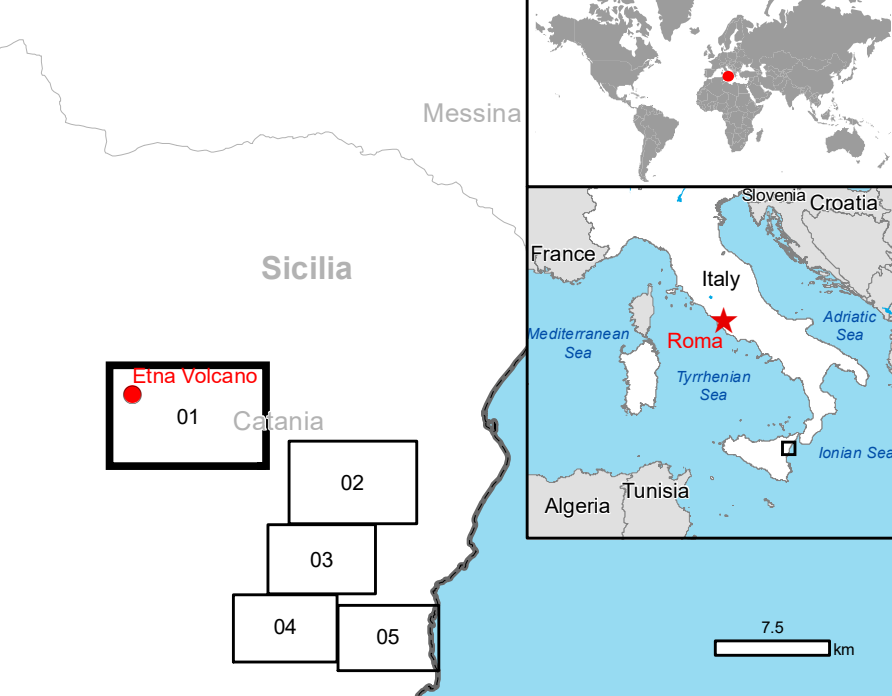


GLIDE number: N/A Activation ID: EMSR336  
Product N.: 01ETNAVOLCANO, v2, English

## Etna Volcano - ITALY

### Volcanic activity - Situation as of 26/12/2018

#### Delineation Map



#### Cartographic Information

1:12500 Full color ISO A1, medium resolution (200 dpi)  
Grid: WGS 1984 UTM Zone 33N map coordinate system  
Tick marks: WGS 84 geographical coordinate system

#### Legend

- Crisis Information**
  - Lava flow
- General Information**
  - Area of Interest
  - Not Analysed
- Administrative boundaries**
  - Municipality
- Built-Up Area**
  - Other non-residential
- Physiography**
  - Elevation Contour (m)

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Lava Flow	ha	32.4	
Estimated population	Number of inhabitants	0	0
Settlements	Other non-residential	No	0
		6	

#### Map Information

On 24th of December, the active volcano Mount Etna, located in eastern Sicily, erupted suddenly close to its main crater at 3300 meters above sea level. The eruptive activity has been characterized mainly by explosions, as well as emissions of lava from several eruptive fissures starting from the base of the New South East Crater. On 26th of December at 2:19 am UTC, an earthquake of magnitude 4.8 hit the same part of the region. The epicentre was located between Viagrande and Trecastragni, two small villages close to Catania in eastern Sicily. According to the National Institute of Volcanology (INGV) the earthquake was very shallow, only 1 km deep, thus resulting in significant damage to houses and infrastructure. Most of the damage has been reported in the nearby villages of Fleri, Zafferana Etnea, Santa Venerina and Acireale.

The present map shows the lava flow delineation in the area of Etna Volcano. The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	26/12/2018	Situation as of	26/12/2018
Activation	26/12/2018	Map production	14/01/2019

#### Data Sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 17/08/2016, GSD 0.5 m, approx. 0% cloud coverage in AOI).  
Post-event image: Sentinel 2A/B (2018) (acquired on 26/12/2018 at 09:46 UTC, GSD 10.0 m, approx. 10% cloud coverage in AOI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.  
Inset maps: JRC 2013, © EuroGeographics, EuroBoundaryMap 2017, © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015  
http://data.europa.eu/89h/jrc-ghsl-ghs\_pop\_gpw4\_globe\_j2015a.  
Digital Elevation Model: SRTM (90m) (NASA/USGS).

#### Disclaimer

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Map produced by GAF AG released by e-GEOS (ODO).

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