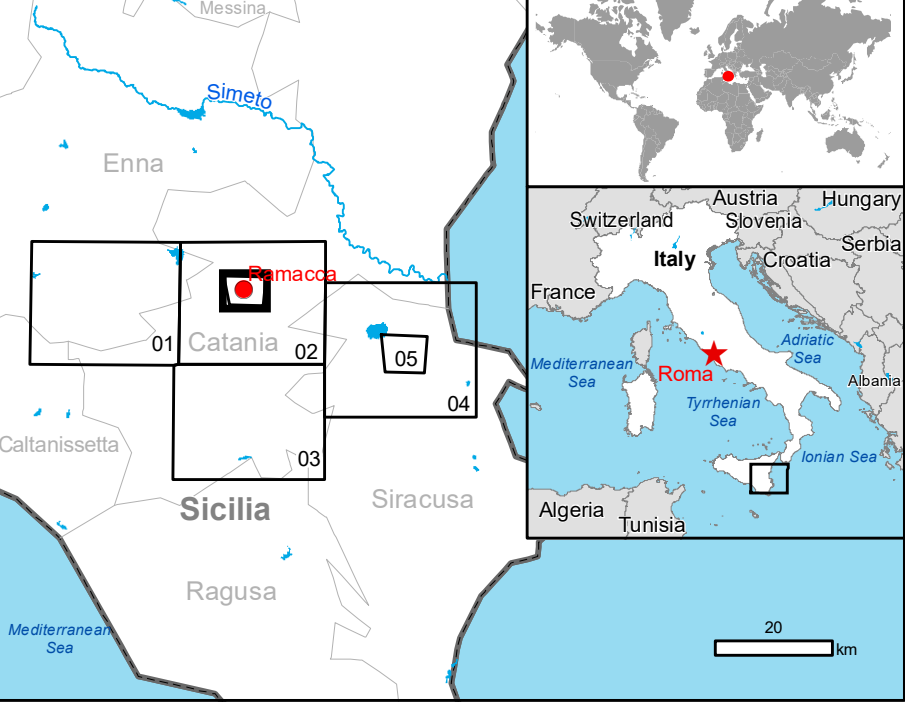


Ramacca - ITALY
Flood - Situation as of 26/10/2018
Grading Map



Cartographic Information

1:11000 Full color ISO A1, medium resolution (200 dpi)

0 0.25 0.5 1 km

Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- Crisis Information**

 - Flooded Area (26/10/2018 10:15 UTC)
 - Flood trace
- General Information**

 - Area of Interest
- Administrative boundaries**

 - Municipality
- Placenames**

 - Placename
- Hydrography**

 - River
 - Lake
 - Reservoir
 - Primary Road
 - Secondary Road
 - Local Road

Consequences within the AOI									
		Unit of measurement		Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI	
Flooded area		ha					0.2		
Flood Trace		ha					4.2		
Estimated population		Number of inhabitants					0	6467	
Settlements	Residential	ha	0.0	0.0	0.0	0.0	0.0	117.8	
	Industrial building and warehouse	ha	0.0	0.0	0.0	0.0	0.0	3.9	
	Industrial	ha	0.0	0.0	0.0	0.0	0.0	0.4	
	School, university and research	ha	0.0	0.0	0.0	0.0	0.0	2.7	
	Multi-functional	ha	0.0	0.0	0.0	0.0	0.0	6.7	
Transportation	Canal	ha	0.0	0.0	0.0	0.0	0.0	3.0	
	Primary Road	km	0.0	0.0	0.0	0.0	0.0	1.9	
	Secondary Road	km	0.0	0.0	0.0	0.0	0.0	7.6	
Local Road		km	0.0	0.0	0.0	0.0	0.0	44.8	

Map Information

From the late evening of 18th October to the first hours of 19th an intense weather event with heavy rain occurred in Sicily. The most affected area was the south-eastern part of the region. In the previous 10 days the region, in particular along the East coast, had already been affected by heavy rainfall. The highest intensity of precipitation has been recorded by the rain gauge of Palagonia (Catania) with 240 mm of rain in a few hours. Moreover, Simeto river overflowed and flooded the surrounding areas.

The present map shows the flood delineation in the area of Ramacca. The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	19/10/2018	Situation as of	26/10/2018
Activation	25/10/2018	Map production	26/10/2018

Data Sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 26/10/2016, GSD 0.5 m, approx. 0% cloud coverage in AOI).
Post-event image: Pléiades-1A/B © CNES (2018), distributed by Airbus DS (acquired on 26/10/2018 at 10:16 UTC, GSD 0.5 m, approx. 0% cloud coverage in AOI, 30.5° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

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-ghs-ghs_pop_gpww4_globe_r2015a
Digital Elevation Model: EU-DEM (25 m)

Disclaimer

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Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

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

For the latest version of this map and related products visit
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