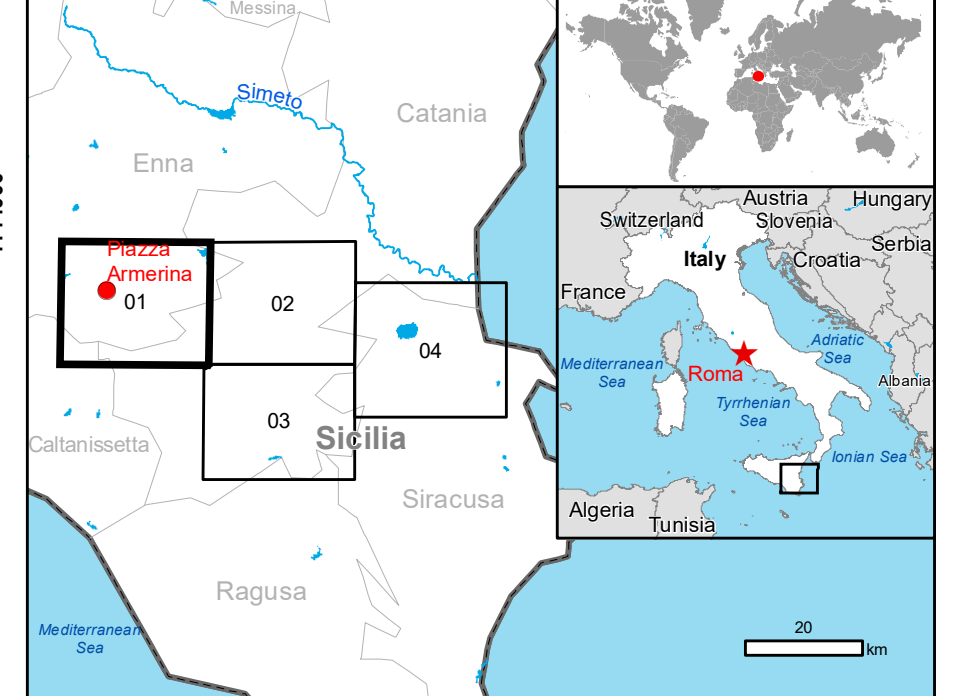




Piazza Armerina - ITALY

Flood - Situation as of 19/10/2018

Delineation Map



Cartographic Information

1:40000 Full color ISO A1, medium resolution (200 dpi)

0 0.75 1.5 3 km

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

- #### Legend
- ##### General Information

 - Area of Interest

Placenames

 - Placename

Built-Up Area

 - Residential
 - Industrial
 - Reservoir, silos and warehouse
 - Museum and libraries
 - Hospital or institutional care
 - Sports hall
 - Multi-functional
 - Cemetery
- ##### Hydrography

 - River
 - Lake
 - Reservoir

Physiography

 - Elevation Contour (m)

Transportation

 - Helipad
 - Bridge and elevated highway
 - Primary Road
 - Secondary Road
 - Local Road
 - Long-distance railway
 - Tunnel and subway

NO FLOODED AREAS CAN BE DETECTED FROM THE ANALYSED SATELLITE IMAGERY

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 Patagonia (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 Piazza Armerina. 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	19/10/2018
Activation	25/10/2018	Map production	26/10/2018

Data Sources

Pre-event image: Sentinel 2A (2018) (acquired on 30/09/2018 at 09:50 UTC, GSD 10 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.

Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (19/10/2018) (acquired on 19/10/2018 at 05:05 UTC, GSD 25 m) – RADARSAT is an official mark of the Canadian Space Agency – 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_gpw4_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 SIRS released by e-GEOS (ODO).

For the latest version of this map and related products visit
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