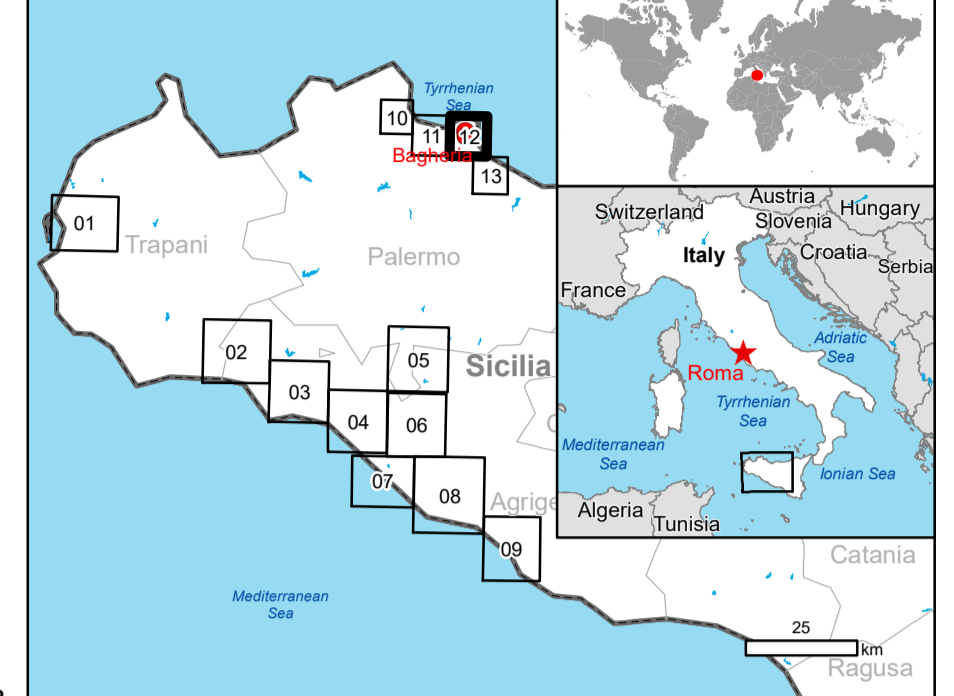




Bagheria - ITALY Flood - Situation as of 04/11/2018 Delineation Map



Cartographic Information

1:17000 Full color ISO A1, high resolution (300 dpi)



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

Legend

- Crisis Information**
 - Flooded Area (04/11/2018 05:04 & 09:51 UTC)
- General Information**
 - Area of Interest
 - Image Footprint
 - Not Analysed
- Administrative boundaries**
 - Municipality
- Placenames**
 - Placename
- Built-Up Area**
 - Residential
- Hydrography**
 - River
 - Reservoir
- Physiography**
 - Elevation Contour (m)
- Transportation**
 - Highway
 - Primary Road
 - Secondary Road
 - Local Road
 - Long-distance railway

Land use - Land Cover

Features available in vector data

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha	42.5	
Estimated population		Number of inhabitants	141	84013
Settlements	Residential	ha	9.2	5487.3
	Highway	km	0.0	20.2
	Primary Road	km	0.1	13.0
	Secondary Road	km	0.0	14.5
	Local Road	km	0.0	152.8
Transportation	Long-distance railway	km	0.2	24.9

Map Information
 From the 2nd of November 2018, intense weather events with heavy rain occurred in the Sicily region, in particular over the central-west part of the island. The meteorological event was characterised by severe thunderstorms with maximum intensity registered in the provinces of Agrigento, Palermo and Trapani. Damage to main infrastructure and buildings has been registered. The highest cumulated precipitation has been recorded by the rain gauge of Ribera (AG) with 210 mm of rain recorded in 48 hours.

The present map shows the flood delineation in the area of Bagheria (Italy). 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	02/11/2018	Situation as of	04/11/2018
Activation	04/11/2018	Map production	05/11/2018

Data Sources

Pre-event image: Sentinel 2A/B (2018) (acquired on 25/10/2018 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: Sentinel-1A/B (2018) (acquired on 04/11/2018 at 05:04 UTC, GSD 10 m) provided under COPERNICUS by the European Union and ESA.
 Sentinel 2A/B (2018) (acquired on 04/11/2018 at 09:51 UTC, GSD 10 m, approx. 32.3% cloud coverage in AoI) 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: INSIDE EUROPE 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_r2015a.

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.
 The map and the information content are derived from satellite data without validation with ground data.
 Map produced by SERTIT released by e-GEOS (ODO).
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