



Orestiada - GREECE Flood - Situation as of 27/03/2018 Delineation Map



Cartographic Information
 1:65000 Full color ISO A1, high resolution (300 dpi)
 0 1.5 3 6 km
 Grid: WGS 1984 UTM Zone 35N map coordinate system
 Tick marks: WGS 84 geographical coordinate system

- Legend**
- Crisis Information**
 - Flooded Area (27/03/2018 16:07 UTC)
 - General Information**
 - Area of Interest
 - Placenames**
 - Placename
 - Administrative boundaries**
 - International Boundary
 - Municipality
 - Built-Up Area**
 - Residential
 - Hydrography**
 - River
 - Stream
 - Lake
 - Reservoir
 - River
 - Physiography**
 - Elevation Contour (m)
 - Facilities**
 - Dam
 - Transportation**
 - Primary Road
 - Secondary Road
 - Long-distance railway

Consequences within the AOI

	Unit of measurement	Affected	Total in AOI
Flooded area	ha	0	378.1
Estimated population	Number of inhabitants	0	200405
Settlements	Residential	ha	0.0 2049.3
Transportation	Primary Road	km	0.0 67.1
	Secondary Road	km	0.0 130.3
	Long-distance railway	km	0.0 57.2
Facilities	Dam	No.	0 2

Map Information
 Due to extensive rainfall and snow-melt of the last few days, and also due to large amounts of water that was released from dams in rivers Evros and Arda, many areas of Evros Regional Unit have been flooded. Extensive damages are reported in agricultural land, road and railway network. Many embankments across Evros river, broke, causing further problems. The Regional Unit of Evros has been declared in a state of emergency.
 The present map shows the flood delineation in the area of Orestiada (Greece). 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	27/03/2018	Situation as of	27/03/2018
Activation	29/03/2018	Map production	29/03/2018

Data Sources
 Pre-event image: Sentinel 2A/B (2017) (acquired on 24/08/2017 at 09:10 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 27/03/2018 at 16:07 UTC, GSD 10 m) 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, Natural Earth 2012, CCM River DB © EURC2007, GeoNames 2013.
 Population data: GHS Population Grid © European Commission, 2015
http://data.europa.eu/89h/jrc-ghs-gis_pop_gpw4_globe_r2015a
 Digital Elevation Model: EU-DEM (25 m)

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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.
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