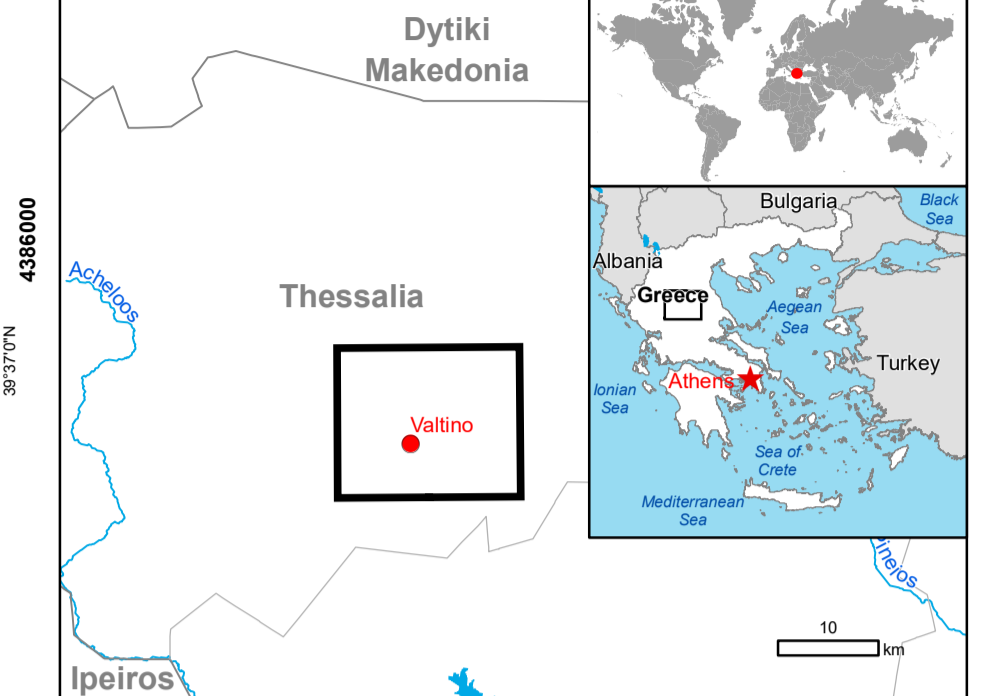


### Valtino - GREECE

#### Flood - Situation as of 28/02/2018

#### Delineation Map



#### Cartographic Information

1:30000 Full color ISO A1, high resolution (300 dpi)

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 34N map coordinate system  
 Tick marks: WGS 84 geographical coordinate system

#### Legend

- Crisis Information**  
 (28/02/2018 04:39 UTC)
- General Information**  
 Area of Interest
- Built-Up Area**  
 Residential  
 Traffic and communication  
 Industrial  
 School, university and research  
 Hospital or institutional care  
 Sports hall  
 Cemetery
- Hydrography**  
 River  
 Stream  
 Lake  
 Reservoir
- Physiography**  
 Elevation Contour (m)
- Facilities**  
 Construction for mining or extraction
- Transportation**  
 Bridge and elevated highway  
 Primary Road  
 Secondary Road  
 Local Road  
 Urban railway

**Land use - Land Cover**  
 Features available in vector data

Consequences within the AOI		Line of measurement	Affected	Total in AOI
		km	km	km
Flooded area			0	6808.0
Population			0	6808.0
Transportation			0	22
Bridge		km	0	69.7
Primary Road		km	0	84.4
Secondary Road		km	16.8	703.3
Local roads		km	0	23.3
Urban railways		km	0	1
Facilities			0	23.7
Construction for mining		ha	0	2063.3
Settlements			0	4263.3
Residential		ha	0	4263.3
Traffic and communication buildings		ha	0	6.6
Industrial buildings		ha	0	4263.3
School, university and research		ha	0	33.9
Hospital or institutional care buildings		ha	0	7.6
Sports halls		ha	0	6.2
Cemeteries		ha	0	6.2

**Map Information**  
 In Trikala Prefecture, in Central Greece, all the tributaries of Pinios River have overflowed since Saturday 24/02/2018 and hundreds of acres of rural and urban areas have been affected by flooding around the villages of Valtinos, Dendrochori, Exalofos, Kostareika, Eleftherochori and Matsoukiotika. Several other villages in this area are reported at immediate risk of being flooded due to the due to heavy rains expected for the next few days.

The present map shows the flood delineation in the area of Valtino (Greece). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 3 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	24/02/2018	Situation as of	28/02/2018
Activation	26/02/2018	Map production	28/02/2018

**Data Sources**  
 Pre-event image: Sentinel 2B (2018) (acquired on 23/01/2018 at 09:22 UTC, GSD 10 m, 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.  
 Post-event image: Sentinel-1A (2018) (acquired on 28/02/2018 at 04:39 UTC, GSD20 m) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2018, 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-pop\\_gpw4\\_globe\\_r2015a](http://data.europa.eu/89h/jrc-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).

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 jrc-ems-rapidmapping@ec.europa.eu  
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