

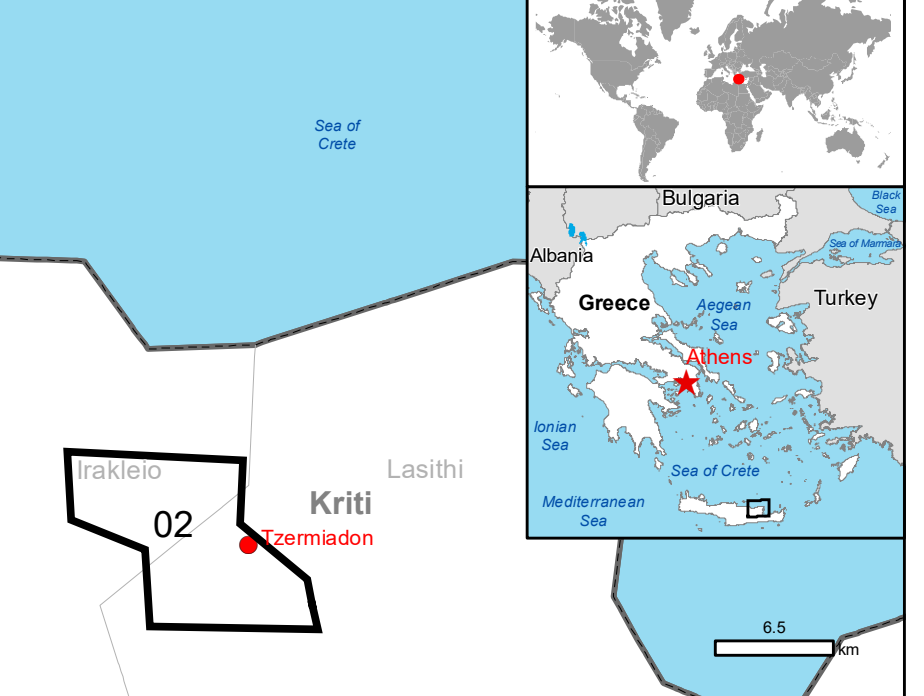
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Product N.: 02TZREMIADO, v1

Tzermiado - GREECE

Flood - Situation as of 13/11/2020

Grading - Overview map 01



Cartographic Information

1:21000
Full color A1, 200 dpi resolution

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 35N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information	Transportation Grading	Administrative boundaries
Road block / interruption	Road, Destroyed	Municipality
Flooded Area (13/11/2020 09:17)	Road, Damaged	Place name
Road trace	Primary Road, No visible damage	Hydrography
Debris, Rockfall	Secondary Road, No visible damage	River
Landslide	Local Road, No visible damage	Stream
Mudflow	Cart Track, No visible damage	Lake
Built Up Grading	Area of Interest	Reservoir
Possibly damaged	Not Analyzed	Physiography & Land Use - Land Cover
Transportation Grading		
Bridge and elevated highways, Destroyed		

Consequences within the AOI	Unit of measurement	Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI
Estimated population	Number of inhabitants					721
Flooded area	ha				56.5	
Flood trace	ha				510.2	
Mudflow	ha				0.5	
Landslide	ha				1.5	
Road block / interruption	No				5	
Debris, Rockfall	ha				0.03	
Settlements						
Transportation						
Primary Road	0.1	0.3	0.8	1.2	NA	
Secondary Road	0.0	0.0	0.3	0.3	NA	
Local Road	0.0	0.0	0.0	0.0	NA	
Cart Track	0.0	0.0	0.6	0.6	1.2	NA
Bridges and elevated highways	4	0	0	4	NA	

Map Information

On 10 November, heavy rainfall caused flooding on the island of Crete. The flooding damaged roads, hundreds of homes and swept cars into the sea. No injuries or casualties have been reported until now. The worst damages have occurred east of Heraklion in the central part of the island. The areas of most intensive flooding include Hersomonissos, Anissaras, Gouves, Gourmes, Analipsi, Stalis and Malia.

The present map shows the flood damage grade assessment in the area of Tzermiado (Greece). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	10/11/2020 12:00	Situation as of	12/11/2020 09:17
Activation	11/11/2020 00:00	Map production	14/11/2020

Data sources

Pre-event image: WorldView-1 © Digital Globe, Inc. (2018), (acquired on 18/12/2018 at 09:30 UTC, GSD 0.5 m, approx. 5% cloud coverage in AoI, 4.9° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.

Post-event image: Pléiades-1A/B © CNES (2020), distributed by Airbus DS (acquired on 13/11/2020 at 09:17 UTC, GSD 0.5 m, approx. 5% cloud coverage in AoI, 9.4° 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, Corine Land Cover (CLC) 2012, Globe Land 30 (2010), Global Administrative Areas (2012), refined by the producer.

Inset maps: JRC 2013, EuroBoundaryMap 2017 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php

Disclaimer

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Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

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

For the latest version of this map and related products visit <https://emergency.copernicus.eu/EMSR480>

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