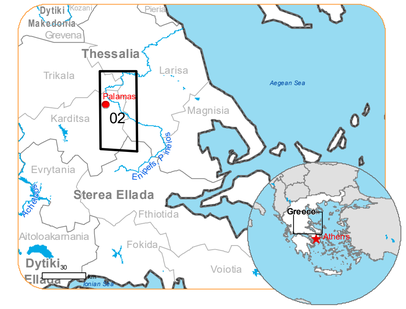
GLIDE number: N/A
Int. Charter Act. ID: N/A

GDACS ID: FL 1102199
Product version: 1

EMSR692 - AOI02
Flood in Greece
PALAMAS

Situation as of 10/09/2023 09:05 UTC

Delineation - Overview map 01



Flood trace 19,027.5 ha
Flooded area 16,808.4 ha

Potentially affected population
~ 7500

Potentially Affected Built-up and Transportations

Railway
35.0 km

Road
396.9 km

Built-Up
920.3 ha

Crisis Information
- Flooded Area
- Flood trace

General Information
- Area of Interest
- Image Footprint
- Not Analysed

Administrative boundaries
- Province
- Municipality

Placenames
- Placename

Built-Up Area
- Residential
- Non residential
- School, university and research buildings
- Hospital or institutional care buildings

Hydrography
- River
- Stream
- Lake
- Land Subject to Inundation
- Reservoir

Facilities
- Long-distance pipelines or lines
- Dam
- Mining or extraction site
- Power plant
- Sport and recreation constructions
- Water or Aquatic infrastructure
- Dam

Transportation
- Highway
- Main road
- Local road
- Railway

Event:
Due to extreme rainfall in Thessaly Region, extended floods occurred in Magnesia Regional Unit, mostly around the city of Volos and coastal areas of Pelion mountain peninsula. Extreme rainfall is ongoing and according to the forecast of the National Meteorological Service the rainfall will continue until tomorrow afternoon. One person is missing, and one died, and many cars were drifted away due to the flooding. Local Fire Service received many calls for help to pump water from flooded buildings and rescue people trapped by the rising waters. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood extent and monitoring of the event for the emergency mapping.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2023) (acquired on 31/08/2023 at 09:15 UTC, resolution 10.0 m).
Post-event image: [GeoEye1] © Maxar Technologies, Inc. (2023), (acquired on 10/09/2023 at 09:05 UTC, resolution 2 m). This image is used as background image.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015. Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics.
Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2023 https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php
Digital Elevation Model: SRTM (30 m) (NASA/USGS)

The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by Telespazio Iberica released by SERTIT on the 10/09/2023.

Details on this activation and service conditions available through the QR code or at the link:
https://rapidmapping.emergency.copernicus.eu/EMSR692

PROGRAMME OF THE EUROPEAN UNION

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N
0 1.5 3 6 km
WGS 1984 UTM Zone 34N 1:98000

EMSR692 AOI: 02 Palamas Delineation

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Flood trace		ha		19,027.5
Flooded area		ha		16,808.4
Estimated population	Number of inhabitants		~ 7,500	~ 37,000
Built-up	Residential Buildings	ha	891.4	4,083.3
	Office buildings	ha	0.0	2.6
	Wholesale and retail trade buildings	ha	0.0	0.6
	Industrial buildings	ha	27.0	83.4
	School, university and research buildings	ha	0.0	10.1
	Hospital or institutional care buildings	ha	0.0	0.3
	Cemetery	ha	1.9	12.3
Transportation	Highways	km	19.4	101.7
	Primary Road	km	7.8	63.0
	Secondary Road	km	83.4	170.3
	Local Road	km	286.3	1,351.1
	Long-distance railways	km	35.0	133.3
Facilities	Settling Basin	ha	0.9	0.9
	Dams	ha	0.1	0.2
	Constructions for mining or extraction	ha	0.0	146.9
	Power plant constructions	ha	6.2	107.3
	Sport and recreation constructions	ha	7.4	35.3
	Long-distance pipelines, communication and electricity lines	km	14.8	146.1
	Dams	km	0.1	0.1
Land use	Arable land	ha	33,111.7	101,712.7
	Other	ha	1,484.5	4,760.4
	Pastures	ha	752.6	2,042.7
	Heterogeneous agricultural areas	ha	216.6	708.3
	Shrub and/or herbaceous vegetation association	ha	122.7	26,441.6
	Inland wetlands	ha	109.1	127.8
	Forests	ha	25.6	361.3
	Permanent crops	ha	10.1	273.6
	Open spaces with little or no vegetation	ha	2.9	112.9

Disclaimer:

Full disclaimer and other helpful information available in the online manual:
https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products

Data access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data).
The table above is available in editable format in the Crisis Information Package.
All products and data are also available for download on the portal.

Access to the portal

PROGRAMME OF THE EUROPEAN UNION

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