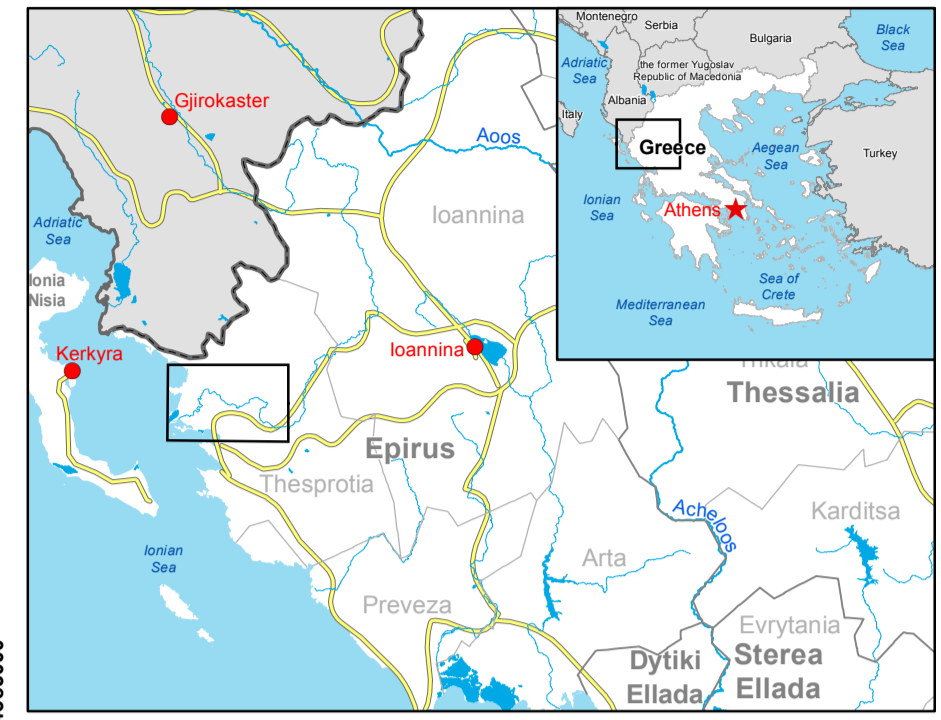


Epirus - GREECE Flood - 01/02/2015 Delineation Map - Detail04

Production date: 03/02/2015



Cartographic Information

1:36000 Full color ISO A1, high resolution (300 dpi)



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

Legend

Crisis Information Flooded Area (02/02/2015 16:31 UTC)	Point of Interest Educational Medical Religious Transportation	Industry / Utilities Quarry Processing Facility Coastline Canal Ditch Dam River Stream Land Subject to Inundation Lake
General Information Area of Interest	Administrative boundaries Municipality	Settlements Populated Place
Settlements Residential Agricultural Cemetery Industrial Medical Recreational	Transportation Primary Road Secondary Road Local Road	

Consequences within the detail AOI on 02/02/2015			
	ha	Affected	Total in AOI
Flooded area	3	624	4165
Estimated population	Inhabitants		
Settlements	Industrial	0.1	37
	Residential	0.6	781
	Recreational	0.1	1
	Cemetery	0	5
	Agricultural	0	2
	Medical	0	1
Transportation	Primary roads	0.1	37
	Secondary roads	0.5	49
	Local roads	5	319
	Bridges	No.	13
Utilities	Quarry	0	12
	Processing Facility	0	2

Map Information
Due to the heavy rainfall in the last days, many areas in the western part of Greece have been flooded. The rivers Arachthos, Acheron, Kalamas and Louros have been flooded and damages to infrastructures have been reported. Villages that are located in the delta of Arachthos river have been evacuated for precautionary reasons. The core users of the maps are Disaster Response Authorities involved in the operations.

Data Sources
Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).
Sentinel-1A (acquired on 02/02/2015 16:31 UTC, GSD 10 m) provided by the European Space Agency.
ESRI World Imagery © Esri, DigitalGlobe (acquired on 05/07/2010 GSD 2.5 m, approx. 1% cloud coverage).
Landsat-8 USGS (acquired on 04/07/2014, GSD 15 m, approx. 0% cloud coverage).
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, Geonames (approx. 1:10000, extracted on 02/02/2015), refined by GAF AG. Source information is included in vector data.
Population data: Landscan 2010 © UT BATTELLE, LLC.
All Data sources are complete and with no gaps.

Dissemination/Publication
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

Framework
The products elaborated in the framework of current mapping in rush mode activation are realized to the best of our ability, within a very short time frame during a crisis, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original data sources. The products are compliant with GIO-EMS RUSH Product Portfolio specifications.

Map Production
The present map shows basic topographic features such as transportation, hydrology and settlements in the area of Epirus (GREECE). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event ESRI World Imagery.
The estimated geometric accuracy of this product is 15 m CE90 or better, from native positional accuracy of the background satellite image.
The estimated thematic accuracy of this product is 85% or better, as it is based on visual interpretation of recognizable terms on very high resolution optical imagery. Shadowed areas are zones of lower interpretation accuracy due to the poorer image radiometry. Only the area enclosed by the Area of Interest has been analyzed.
Map produced on 03/02/2015 by GAF AG under contract 257219 with the European Commission. All products are © of the European Commission.
Name of the release inspector (quality control): GAF AG (ODO).
E-mail: rush@ems-gmes.eu
Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR117>