

## Epirus - GREECE

### Flood - 01/02/2015

#### Reference Map - 03 Detail

Production date: 03/02/2015

#### Cartographic Information

1:40000

Full color ISO A1, medium resolution (200 dpi)

0 1 2 4 km

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

#### Legend

##### General Information

- Area of Interest
- Clouds
- Administrative boundaries
- Province

##### Settlements

- Populated Place
- Residential
- Agricultural
- Industrial
- Urbanized Multi-functional

##### Hydrology

- Coastline
- River
- Stream
- Canal
- Land Subject to Inundation
- Lake
- Reservoir
- Point of Interest
- Educational
- Industrial
- Recreational
- Religious

##### Industry / Utilities

- Power Station
- Quarry
- Transportation
- Bridge
- Primary Road
- Secondary Road
- Local Road

##### Exposure within the detail AOI

Estimated population	inhabitants	26255
Settlements	Industrial	ha 168
	Residential	ha 1090
	Agriculture	ha 76
	Multi-functional	ha 57
Utilities	Quarry	ha 21
Transportation	Primary roads	km 44
	Secondary roads	km 43
	Local roads	km 175
	Bridges	No. 5



#### 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, Achelon, 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), ESRI World Imagery © Esri, Digitalglobe (acquired on 05/07/2010, GSD 2.5 m, approx. 0.01% cloud coverage). Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10000, extracted on 02/02/2015), refined by ITHACA. Source information is included in vector data. Population data: Landsat 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 10 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 items 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 ITHACA 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

