



GLIDE number: N/A Activation ID: EMSR-100 Product N.: 01GARGANO, v2

GARGANO - ITALY

Landslide - 04/09/2014

Reference Map - Detail01

Production date: 17/09/2014



Cartographic Information

1:33000 Full color ISO A1, medium resolution (200 dpi)

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- General Information**
 - Area of Interest
- Administrative boundaries**
 - Municipality
- Point of Interest**
 - Religious
- Settlements**
 - Populated Place
 - Residential
 - Agricultural
 - Green Area
 - Industrial
 - Recreational
 - Transportation
 - Urbanized Multi-functional
- Transportation**
 - Airport
 - Bridge
 - Helipad
 - Railway
 - Primary Road
 - Secondary Road
 - Local Road
 - Tunnel
- Hydrology**
 - Coastline
 - River
 - Canal
 - Ditch
 - Lake
 - Reservoir

Exposure within the detail AOI			inhabitants	22137
Settlements	Commercial	ha	11	
	Industrial	ha	13	
	Recreational	ha	1	
	Urbanized Multi-functional	ha	46	
	Transportation	ha	66	
	Sports Ground	ha	2	
	Agriculture	ha	6	
	Green Area	ha	8	
	Residential	ha	485	
	Local roads	km	176	
Transportation	Primary roads	km	30	
	Railways	km	23	
	Secondary roads	km	19	
	Airport	No.	1	
	Helipad	No.	1	
	Bridge	No.	13	
	Cropland	ha	8179	
	Grassland	ha	694	
	Scrub	ha	3021	
	Woodland	ha	11588	

Land use - Land Cover

Features available in vector data

Map Information

On 3 September 2014 heavy rainfall caused severe floods and landslides across territory of Puglia region, in particular in the area of Gargano. Quickly the event involved the whole area due to the persistent and intense thunderstorms. In particular the towns of Peschici, Rodi, San Marco in Lamis and San Giovanni Rotondo were the most affected areas, in addition a lot of damage occurred along the coast line including large areas covered by debris and the deletion of several beaches. Hundreds of people have been evacuated in the whole area. The scope of this map is to assess the damages and support the Italian Civil Protection Department.

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).
Pre-event aerial orthomages © 2014 courtesy of AGEA (acquired in 2010, GSD 1m)
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10000, extracted on 01/01/2011), 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 GIC-EMS RUSH Product Portfolio specifications.

Map Production

The present map shows basic topographic features such as transportation, hydrology and settlements in the area of Gargano (ITALY). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event aerial orthomages.
The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background aerial orthomages.
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 17/09/2014 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).
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Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR100>

Civil Protection

Response

Reference Map - Detail

Planning

Aerial orthomages © AGEA 2014

04/09/2014