

GLIDE number: EQ-2012-000090-ITA Activation ID: EMSR-004
Product N.: 06Cento, v1

Cento, Emilia Romagna, ITALY

Earthquake - 29/05/2012

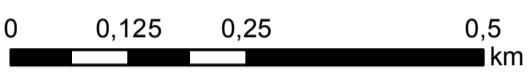
Delineation Map - Detail

Production date: 31.05.2012



Cartographic Information

1:8000 Full color ISO A1, medium resolution (200 dpi)



Map Coordinate System: WGS 1984 UTM Zone 32N
Graticule: WGS 84 geographical coordinates

Legend

- Area of Interest
- Crisis Information

Gathering of People

Road Block
- Buildings

Affected

Not Affected
- Transportation

Primary Road

Secondary Road

Local Road

Bridge
- Points of Interest

Institutional

Educational

Religious

Other

Consequences within the AOI				
Estimated AOI population	18700 Inhabitants			
Affected assets	8 Buildings			
Residential	7	Educational	0	
Industrial	1	Medical	0	
Commercial	0	Recreational	0	
Institutional	0	Religious	0	
Multi-Functional	0	Transportation	0	
Other	0	Military	0	

Map Information

An earthquake with a magnitude 5.8 killed at least 16 people in northern Italy on 29/05/2012, damaging buildings and leaving 14,000 people homeless in the Emilia Romagna region north of Bologna, one of Italy most agriculturally and industrially productive areas. The epicentre of the earthquake, which struck at depth of 9.6 km (6 miles), was less than 30 km (19 miles) from Modena, not far from where the magnitude 6 earthquake struck on 20th May (Source: www.glide.number.net).

The core users of the map are Civil Protection authorities involved in operations in the field. The aim of the map production is to support the emergency response activities.

Data Sources

Background imagery: WorldView-02 © DigitalGlobe (0% cloudy, 0.6 m resolution, acquired on 30/05/2012)

LandScan ©UT BATTELLE, LLC. 2010 (approx. 1km resolution).
Base vector layers based on Openstreetmap and Wikimapia refined by GAF (nominal scale 1:5000).
All Data sources are complete and with no gaps.

Dissemination/Publication

No restrictions on the publication of the mapping apply.
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

Framework

The products elaborated for this rapid mapping have been realized to the best of our ability, within a very short time frame during a crisis, optimizing 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 a delineation of the affected building in the area of Cento, ITALY, based on visual interpretation of post-event satellite imagery acquired on 30/05/2012 (WorldView-02, spatial resolution 0.6 m). Post-event satellite images have been orthorectified using RPC model and SRTM elevation data.

The estimated geometric accuracy of this product is 5m CE90 or better, from native positional accuracy of the background orthoimage.

The estimated thematic accuracy of this product is 60% or better, as it is based on visual interpretation of recognizable items on very high resolution satellite imagery.

Map produced on 31/05/2012 by GAF under contract 257219 with the European Commission. All products are © of the European Commission.
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