

GLIDE number: EQ2012-000080-ITA Activation ID: EMSR-004
Product N.: 04Ferrara, v2

Ferrara, Emilia Romagna, ITALY Earthquake - 20/05/2012 Reference Map - Overview

Production date: 26/05/2012



Cartographic Information

1:20000 Full color ISO A1, medium resolution (200 dpi)
0 0.5 1 2 km

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

Legend

- Area of Interest
- Points of Interest
 - Religious
 - Institutional
 - Educational
 - Medical
- Built-up areas
 - Residential
 - Transportation
 - Industrial
 - Commercial
 - Institutional
 - Educational
- Medical
- Recreational
- Religious
- Transportation
 - National Motorway
 - Primary Route
 - Secondary Route
 - Local Route
 - Other
 - Railway
 - Aerodrome

Map Information

A strong earthquake has affected large parts of northern Italy, causing at least seven deaths and seriously damaging historic buildings such as churches, bell towers and a medieval castle. The 6.0-magnitude earthquake occurred just after 4:04 a.m. on May 20th 2012, about 35km (22 miles) north-northwest of Bologna (4 kilometers outside Comasanto), at a relatively shallow depth of 10 km. A series of strong aftershocks hit the area, the strongest measuring 5.1-magnitude (Source: BBC).
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 © 2012 Courtesy of AGEA (0% cloudy, 0.5m resolution).
LandScan GUT SATELLE LLC, 2010 (ca 1km resolution)
Base vector layers based on Openstreetmap and Wikimapia refined by e-GEOS (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 (shapelite 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 basic topographic features such as transportation and settlements in the area of Ferrara, ITALY. These basic topographic features derive from public datasets, refined by mean of visual interpretation of pre-event 2011 AGEA aerial images (0.5 m resolution).
The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background orthomage.
The estimated thematic accuracy of this product is 80% or better, as it is based on visual interpretation of recognizable items on very high resolution optical imagery.
Map produced on May 26th 2012 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.
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Earthquake

- Civil Protection
- Response
- Reference Map - Overview
- Support to logistics
- RealVista 2.0 Courtesy of Agea
- 20-05-2012

