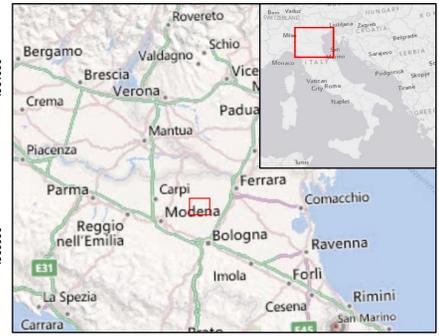


# Cento, Emilia Romagna, ITALY

## Earthquake

### Reference Map - Overview

Production date: 24/05/2012



#### Cartographic Information

1:21,000 Full color ISO A1, medium resolution (200 dpi)

Map Coordinate System: WGS 1984 UTM Zone 32N

#### Legend

- Area of Interest
- Built-up areas**
  - Residential
  - Industrial
  - Commercial
  - Educational
  - Recreational
  - Urbanized Multi-functional
  - Other
- Transportation**
  - Primary Road
  - Secondary Road
  - Local Road
  - Other
  - Bridge
- Built-up areas**
  - Institutional
  - Educational
  - Medical
  - Religious
  - Other

#### Map Information

A strong earthquake has rocked 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 quake occurred just after 4.04 a.m. on 20/05/2012, about 35km (22 miles) north-northwest of Bologna (4 kilometers outside Camposanto), 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 in-field operations. The scope of the map production is support the emergency response activities.

#### Data Sources

Background imagery courtesy of AGEA  
Base vector layers based on Openstreetmap and Wikimapia refined by GAF.  
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 are realized at 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

Present map shows basic topographic features such as transportation and settlements in the area of Cento, 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 5m CE90 or better, from native positional accuracy of the background orthoimage. 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 21/05/2012 by GAF 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@gms-gmes.eu

Civil Protection  
Response  
Reference Map - Overview  
Planning  
RealVista 2.0 Courtesy of AGEA  
Earthquake  
20-05-2012

