

# San Felice, Emilia Romagna, ITALY

## Earthquake - 20/05/2012

### Reference Map - Overview

Production date: 21/06/2012



#### Cartographic Information

1:30 000 Full color ISO A1, medium resolution (200 dpi)



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

#### Legend

- Areas of interest
- Points of Interest
  - Transportation
  - Institutional
  - Educational
  - Medical
  - Cemetery
- Transportation
  - Primary Road
  - Secondary Road
  - Local Road
  - Other
  - Railway
- Built-up Areas
  - Residential
  - Transportation
  - Industrial
  - Commercial
  - Institutional
  - Educational
  - Medical
  - Recreational
  - Unknown
  - Sports Ground
  - Cemetery

#### 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 35 km (22 miles) north-northwest of Bologna (4 kilometers outside Compostano), 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 courtesy of AGEA.  
Base vector layers based on OpenStreetMap and Wikimapia refined by SIRS.  
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, 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 and settlements in the area of San Felice, ITALY. These basic topographic features derive from public datasets, refined by means of visual interpretation of pre-event AGEA 2011 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 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 21/06/2012 by SIRS under contract 257219 with the European Commission. All products are © of the European Commission.  
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Civil Protection  
Response  
Reference Map - Overview  
Planning  
AGEA aerial imagery 2011  
Earthquake  
20-05-2012