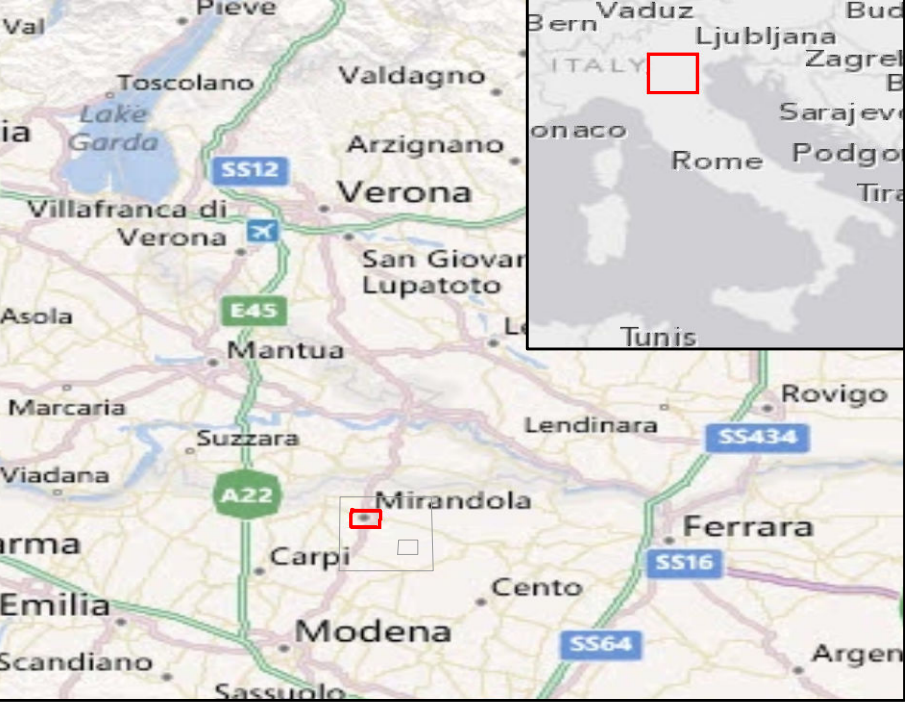


# Mirandola, ITALY Earthquake Reference Map - Detail01-Mirandola

Production date: 21/05/2012



## Cartographic Information

1:6 000 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
- Point of interest
  - Institutional
  - Educational
  - Medical
  - Cemetery
- Transportation
  - Primary Route
  - Secondary Route
  - Local Route
  - Other
- Buildings
  - Residential
  - Industrial
  - Commercial
  - Institutional
  - Educational
  - Medical
  - Recreational
  - Religious
  - Other

		Exposure within the AOI	
Potentially affected population	9021 inhabitants		
Potentially affected assets	1983 Buildings		
Residential	1749	Industrial	142
Commercial	15	Recreational	35
Institutional	11	Medical	12
Transportation	2	Educational	17

## Map Information

Interpretation : an earthquake occurs on Sunday the 20th of May 2012 approximately at 4 am, near Ferrara in the northern Italy. The earthquake registered a 6.0 magnitude on the Richter scale and sent many architectural treasures down.  
This map product covering an area of Mirandola town is delivered to cope with the operational requirements for the emergency response.  
The core users of the map are the Italian Civil Protection Department authorities.  
The scope of the map product is a support for the response teams.

## Data Sources

RealVista ©Imagery courtesy of AGEA  
OSM ©OpenStreetMap 2012, reworked by SIRS  
LandScan ©UT BATTELLE, LLC, 2010

## Dissemination/Publication

RestrictionsNo restrictions on the publication of the mapping.  
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KMZ).  
JRC suggestion: Constraints related to access, use and information sharing.

## 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 GIO-EMS RUSH Product Portfolio specifications.

## Map production

Present map shows basic topographic features such as transportation and settlements in the area of Mirandola, ITALY. These basic topographic features derive from public datasets, refined by mean of visual interpretation of pre-event AGEA 2011 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 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 21/05/2012 by SIRS under contract 257219 with the European Commission. All products are © of the European Commission.  
Name of the release inspector (quality control): GAF AG(DDO).

