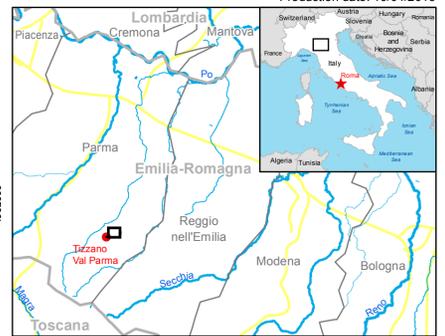




GLIDE number: N/A Activation ID: EMSR-037  
 Product N.: 01TizzanoValParma\_v2

**Tizzano Val Parma (PR) - ITALY**  
**Landslide - 11/04/2013**  
 Reference Map - Detail 01  
**RESTRICTED USE**

Production date: 19/04/2013



**Cartographic Information**  
 1:5000 Full color ISO A1, medium resolution (200 dpi)  
 0 0.1 0.2 0.4 km  
 Map Coordinate System: WGS 1984 UTM Zone 32N  
 Graticule: WGS 84 geographical coordinates

- Legend**
- General Information**
    - Area of Interest
    - Populated Place
    - Industrial
    - Religious
    - Residential
  - Hydrology**
    - Stream
    - Lake
  - Point of Interest**
    - Religious
  - Transportation**
    - Secondary Road
    - Local Road

	Exposure within the Detail Area of Interest		
Potentially Affected Population	246 Inhabitants		
Potentially Affected Assets	383		
	Industrial	23	Religious
	Residential	357	3

**Map Information**  
 Following the extraordinary heavy rains of the last weeks in the Emilia-Romagna region, several landslides occurred. The landslides are spread in all the region. A synthetic description of the situation is the following:  
 - 1400 landslide events till now; the trend is still growing;  
 - 60 people evacuated;  
 - 100-150 municipalities affected, spread over 11.000 km2.  
 The worst affected areas include the municipalities of Capriglio, Signatico and Boschetto, close to Tizzano Val Parma (Parma).  
 The users of the map are Civil Protection authorities involved in field operations. The purpose of the map product is the support of emergency response activities.

**Data Sources**  
 Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology (CCM2 2007 © JRC), Transportation (Natural Earth, 2012), Settlements (OpenStreetMap, 2013).  
 Background imagery © 2013 courtesy of AGEA (acquired in 2010, GSD 0.5 m, 0% cloud coverage).  
 Base vector layers based on Regione Emilia-Romagna datasets (settlements, http://dati.emilia-romagna.it, approx. 1:5.000, extracted on 15/04/2013), OpenStreetMap and Geonames (approx. 1:10.000, extracted on 15/04/2013), refined by ITHACA.  
 Population estimates based on Landscan 2010 © UT BATTELLE, LLC.  
 All Data sources are complete and with no gaps.

**Dissemination/Publication**  
 RESTRICTED USE.  
 Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapfile and KML formats).

**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**  
 The present map shows basic topographic features such as transportation, hydrology and settlements in the area of Tizzano Val Parma (Parma). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event aerial orthomages © 2013 courtesy of AGEA (acquired in 2010, GSD 0.5 m, 0% cloud coverage). The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background aerial orthomage.  
 The estimated thematic accuracy of this product is 85% or better, as it is based on visual interpretation of recognizable items on very high resolution optical imagery.  
 Only the area enclosed by the Area of Interest has been analyzed.  
 Map produced on 19/04/2013 by ITHACA under contract 257219 with the European Commission. All products are © of the European Commission.  
 Name of the release inspector (quality control): e-GEOS (ODO).  
 E-mail: rush@ems-gmes.eu

Civil Protection  
 Response  
 Reference Map - Detail  
 Planning  
 N/A  
 Landslide  
 11-04-2013

Area of Interest - Detail 01