

GUIDE number: N/A Activation ID: EMSR-037
Product N.: 01TizzanoValParma_v1

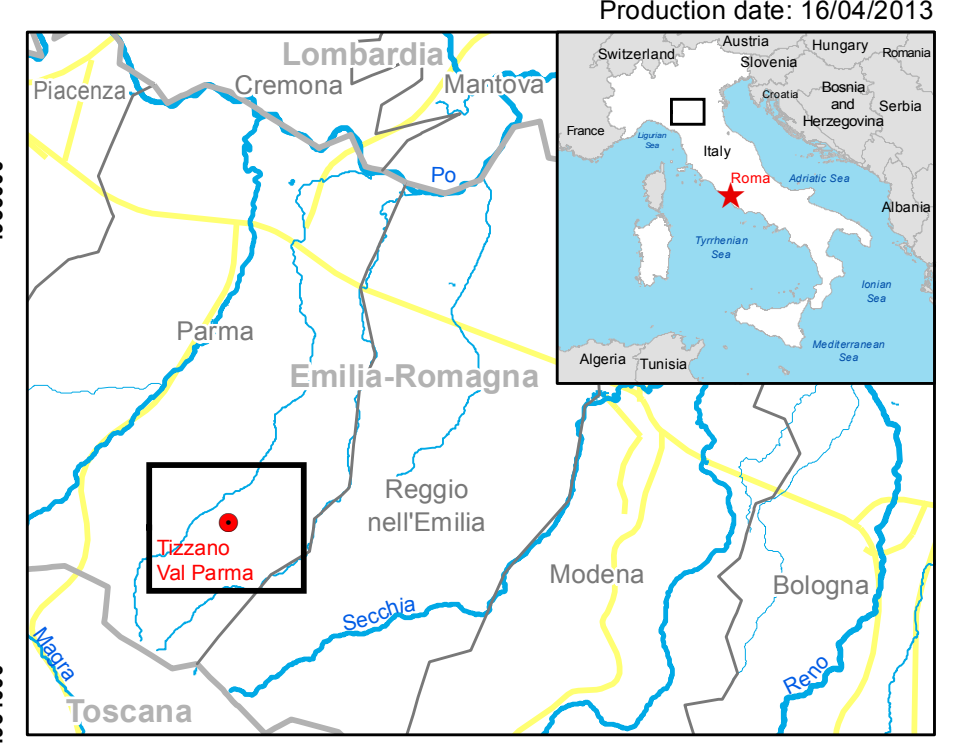
Tizzano Val Parma (PR) - ITALY

Landslide - 11/04/2013

Reference Map - Overview

RESTRICTED USE

Production date: 16/04/2013



Cartographic Information

1:30000 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

General Information	Hydrology	Point of Interest
<div>Area of Interest</div>	<div>River</div>	<div>Institutional</div>
<div>Populated Place</div>	<div>Stream</div>	<div>Medical</div>
<div>Cemetery</div>	<div>Canal</div>	<div>Religious</div>
<div>Educational</div>	<div>Lake</div>	<div>Transportation</div>
<div>Green Area</div>	<div>Reservoir</div>	<div>Transportation</div>
<div>Industrial</div>		<div>Secondary Road</div>
<div>Institutional</div>		<div>Local Road</div>
<div>Other or Unknown</div>		
<div>Recreational</div>		
<div>Religious</div>		
<div>Residential</div>		
<div>Sports Ground</div>		

Exposure within the Overview Area of Interest			
Potentially Affected Population: 7540 Inhabitants			
Potentially Affected Built up areas: 526 ha			
Industrial	68.7 ha	Sports ground	0.4 ha
Residential	445.3 ha	Other	4 ha
Institutional	0.5 ha	Religious	0.3 ha
Recreational	1.8 ha	Educational	0.9 ha
Green Area	4.1 ha	Cemetery	0.1 ha

Map Information

Following the extraordinary heavy rains of the last weeks in the Emilia-Romagna region, several landslides occurred. The landslides are spread throughout the region. A synthetic description of the situation is the following:

- 1400 landslide events till now; more are likely to occur;
- 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. 1:50,000, extracted on 15/04/2013), OpenStreetMap and Geonames (approx. 1:10,000, extracted on 15/04/2013), refined by ITHACA.

Population estimates based on Landsat 2010 © UT BATTELLE, LLC.

All Data sources are complete and with no gaps.

Dissemination/Publication

RESTRICTED USE.

Delivery formats are GeoTIFF, GeoPDF, Geo/JPEG and vectors (shapefile 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 orthomaps © 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 orthomaps.

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 16/04/2013 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).

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