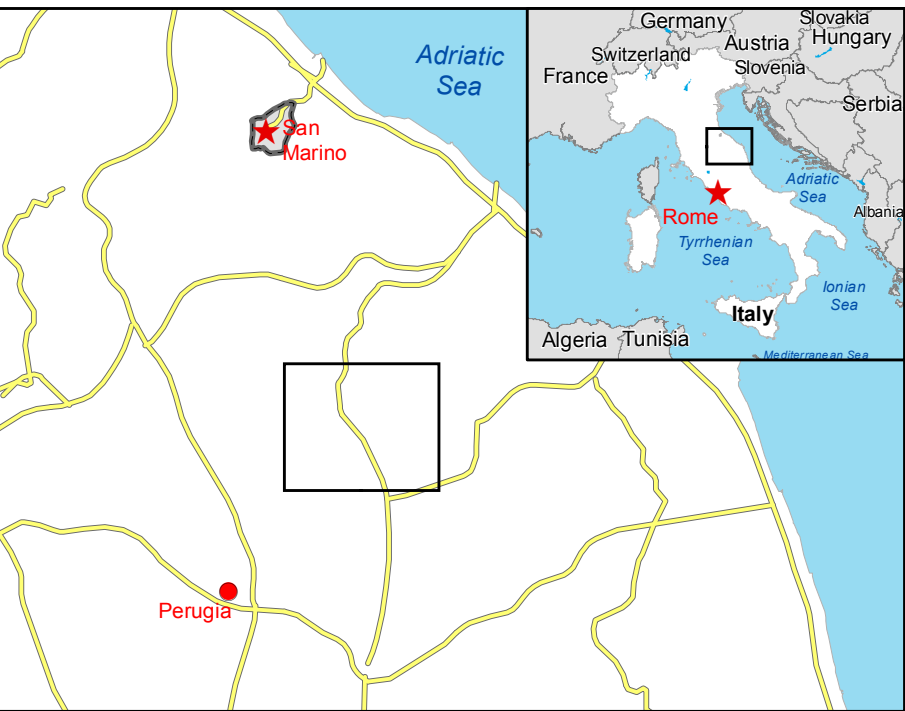


Umbria - ITALY Flood - 11/11/2013 Reference Map - Overview

Production date: 14/11/2013



Cartographic Information

1:78000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend		
General Information	Settlements	Hydrology
Area of Interest	Populated Place	River
Administrative boundaries	Residential	Stream
Region	Commercial	Lake
Province	Green Area	Reservoir
Municipality	Industrial	River
	Recreational	
	Urbanized Multi-functional	
Industry / Utilities		Transportation
Extraction Mine	Quarry	Helipad
		Crossing
		Railway
		Primary Road
		Secondary Road
		Local Road

Exposure within the overview AOI		
Estimated population	inhabitants	125381
Settlements	Residential	ha 3341.23
	Commercial	ha 19.72
	Green Area	ha 43.71
	Industrial	ha 203.28
	Recreational	ha 32.91
	Urbanized Multi-functional	ha 663.28
Transportation	Primary roads	km 234.69
	Secondary roads	km 488.56
	Local roads	km 3672.91
	Railways	km 67.51
	Extraction mine	ha 338.38
Utilities	Quarry	ha 53.72

Map Information

Heavy rainfall in the late evening of Sunday November 10th caused severe floods and landslides across the western side of the Marche Region and the eastern side of the Umbria Region. Among others, towns that suffered include Scheggia, Pascalupo and Guaido Tadino. These maps can be used to help in the assessment of the extent of the damage.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012), Settlements (Geonames, 2013).
Aerial orthoimages © AGEA (acquired on 2010, GSD 0.5 m, 0% cloud coverage) for the province of PS, AN, MC.
Aerial orthoimages © AGEA (acquired on 2008, GSD 0.5 m, 0% cloud coverage) for the province of PG.
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10,000, extracted on 13/11/2013), Globcover © ESA 2010 and UCLouvain, refined by e-GEOS. Source information is included in vector data.
Population data: Landscan 2010 © UT BAITEL, LLC.
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 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 Umbria (Italy). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event aerial orthoimages (c) 2010/2008 courtesy of AGEA.
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 85% or better, as it is based on visual interpretation of recognizable items on very high resolution optical imagery.
Map produced on 14/11/2013 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.
Name of the release inspector (quality control): GAFAG (ODO).
E-mail: rush@ems-gmes.eu

Flood

- Civil Protection
- Response
- Reference Map - Overview
- Planning
- Aerial orthoimages (c) AGEA
- 11-11-2013