



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

Production date: 14/11/2013



Cartographic Information

1:45000 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	Building	Stream
Region	Residential	Lake
Province	Industry / Utilities	Transportation
Municipality	Extraction Mine	Crossing
	Quarry	Railway
		Primary Road
		Secondary Road
		Local Road

Exposure within the detail AOI

Estimated population	inhabitants	5460
Transportation	Primary roads	km 26.61
	Secondary roads	km 46.55
	Local roads	km 491.38
	Railways	km 1.8

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, Pascelupo and Guadalupe. 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 BATTELLE, 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.
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