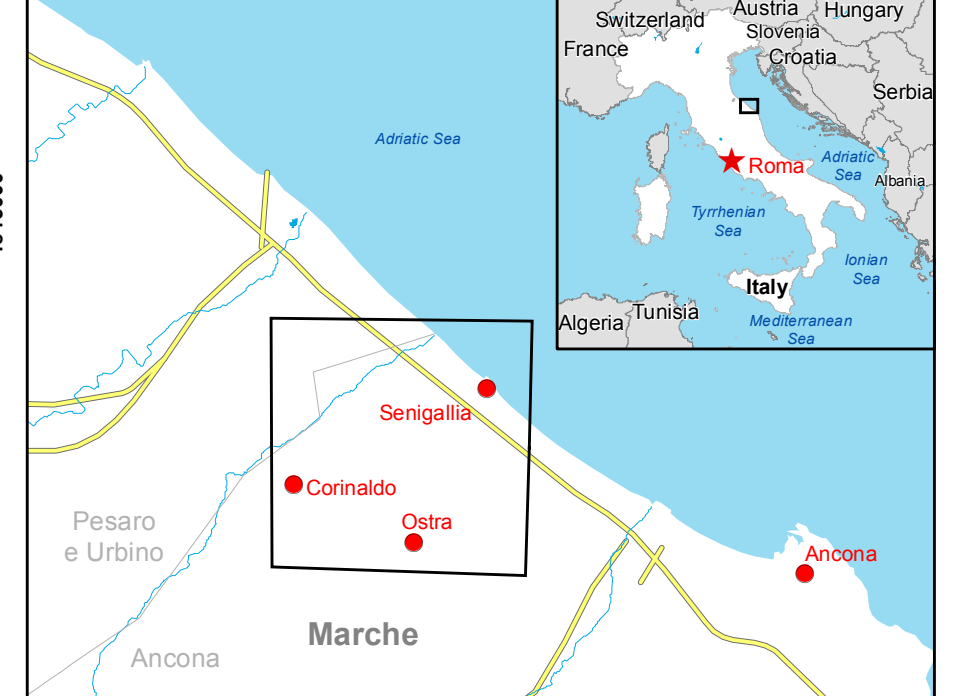


Senigallia - ITALY Flood 03/05/2014 Reference Map - Overview

Production date: 06/05/2014



Cartographic Information

1:35000 Full color ISO A1, medium resolution (200 dpi)

0 0.5 1 2 km

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

Legend

General Information

- Area of Interest

Administrative boundaries

- Province
- Municipality

Settlements

- Populated Place
- Residential
- Agricultural
- Industrial

Point of Interest

- Educational
- Institutional
- Medical
- Recreational
- Religious
- Storage Tank
- Quarry
- Processing Facility

Transportation

- Bridge
- Station
- Railway
- Motorway
- Primary Road
- Secondary Road

Industry / Utilities

- Storage Tank
- Quarry
- Processing Facility

Land use - Land Cover

Features available in vector data

Hydrology

- Reservoir
- Coastline
- River
- River
- Reservoir

Exposure within the overview AOI			
Estimated population		inhabitants	69566
Settlements	Industrial	ha	409
	Residential	ha	2583
	Agriculture	ha	105
Transportation	Motorways	km	27
	Primary roads	km	12
	Secondary roads	km	210
	Railways	km	11
Utilities	Processing Facility	No.	14
	Storage Tank	No.	3
	Quarry	No.	1
Land use	Bare soil	ha	65
	Cropland	ha	29384
	Scrub	ha	45
	Woodland	ha	493

Map Information

On May, 3rd 2014 heavy rainfall caused severe floods across the territory of Marche region. One of the most affected areas was the Misa basin. Quickly, the event involved the whole Region, in particular the towns of Senigallia, Corinaldo and Ostra. Hundreds of people have been evacuated in the whole area. The scope of this map is to assess the damages and support the Italian Civil Protection Department for the recovery phase.

Data Sources

Inset maps based on: Administrative boundaries (JRC, 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).

Pre-event aerial orthoimages © 2014 courtesy of AGEA (acquired in 2010, GSD 1.0 m)

Base vector layers based on: Geoportale Nazionale © Ministero dell'Ambiente (http://www.pcn.minambiente.it), GADM, 2011 (www.gadm.org), Wikimapia.org (openstreetmap.org), extracted on 05/05/2014, refined by ITHACA. Source information is included in vector data.

Population data: Landsat 2010 © UT BATTELLE, LLC.

All Data sources are complete and with no gaps.

Dissemination/Publication

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 the area of Senigallia, Marche (ITALY). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event aerial orthoimages © 2014 courtesy of AGEA (acquired in 2010, GSD 1.0 m).

The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background aerial 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.

Only the area enclosed by the Area of Interest has been analyzed.

Map produced on 06/05/2014 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

Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR083>

Flood

- Civil Protection
- Response
- Reference Map - Overview
- Planning
- Aerial orthoimages (c) AGEA 2014
- 03-05-2014