



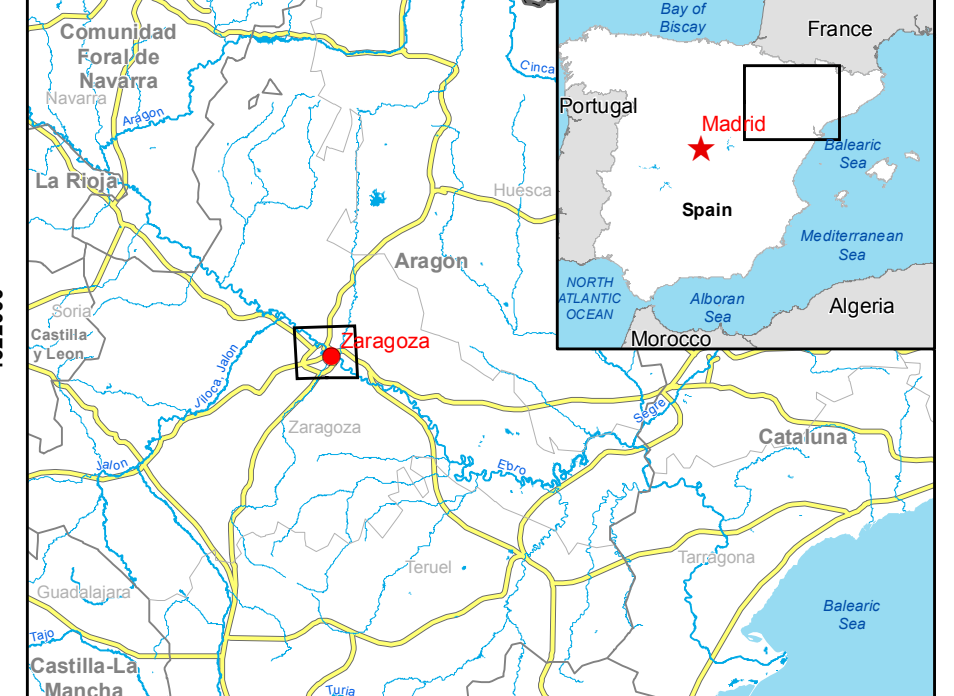
GLIDE number: N/A Activation ID: EMSR-118
Product N.: 01Zaragoza, v1

Zaragoza - SPAIN

Flood - 02/02/2015

Reference Map - 02 Detail

Production date: 04/02/2015



Cartographic Information

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

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 30N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend	Hydrology	Point of Interest	Transportation
General Information	Dam	Educational	Helped
Area of Interest	River	Medical	Bridge
Administrative boundaries	Stream	Religious	Railway
Municipality	Canal	★	Runway
Settlements	Lake	Industry / Utilities	Motoway
Populated Place	Reservoir	Extraction Mine	Primary Road
Residential	Quarry	Quarry	Secondary Road
Commercial			Local Road
Industrial			
Recreational			
Urbanized Multi-functional			
			Land use - Land Cover
			Features available in vector data

Exposure within the detail AOI		
Estimated population	Inhabitants	674725
Settlements	Urbanized multi-functional	ha 1240
	Commercial	ha 9
	Industrial	ha 249
	Recreational	ha 26
	Residential	ha 2912
Transportation	Motorways	km 248
	Primary roads	km 199
	Secondary roads	km 97
	Railways	km 105
	Bridges	No. 10
Utilities	Runways	km 6
	Extraction Mine	ha 38
	Quarry	ha 342
Land use	Rice field	ha 0
	Cropland	ha 10914
	Grassland	ha 1107
	Scrub	ha 2009
	Woodland	ha 4379
	Wetland	ha 0
	Bare Ground	ha 27

Map Information

Since 31 of January 2015 heavy and torrential rainfall has been causing floods at the head of the river Ebro and overflowing streams in the Ebro basin.

Many villages in the Zaragoza region are expecting flood peaks within the next days. The core users of the maps are Disaster Response Authorities involved in the operations.

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).

PNOA © IGN/CNIG (acquired on 15/01/2011, GSD 3.6 m, 0% cloud coverage) provided under ESA GSC-DA DWH License.

Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org GeoNames (approx. 1:10000, extracted on 02/02/2015), refined by e-GEOS. 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 Zaragoza (SPAIN).

These basic topographic features are derived from public datasets, refined by means of visual interpretation of PNOA pre-event aerial imagery.

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

The estimated thematic accuracy of this product is 85% or better, as it is based on visual interpretation of recognizable items on high resolution optical imagery. Shadowed areas are zones of lower interpretation accuracy due to the poorer image radiometry.


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

Map produced on 04/02/2015 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.

Name of the release inspector (quality control): GAF AG (ODO).

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Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR118>



Flood

- Civil Protection
- Response
- Reference Map - Detail
- Planning
- PNOA © IGN/CNIG
- 02-02-2015

