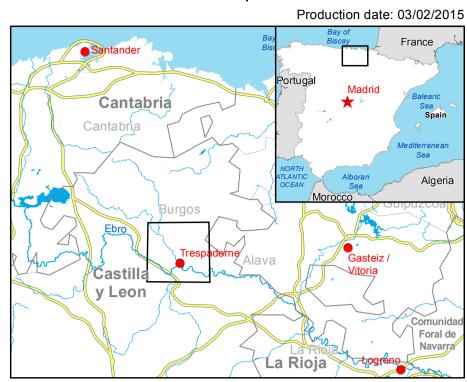


Product N.: 02TRESPADERNE, v1

# Trespaderne - SPAIN Flood - 02/02/2015 Reference Map - Overview

Activation ID: EMSR-118



# Cartographic Information

Full color ISO A1, medium resolution (200 dpi)

Grid: WGS 1984 UTM Zone 30N map coordinate system

### Land use - Land Cover

Exposure within the overview AOI

Transportation

# 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 © EUJRC 2007), Settlements (Geonames, 2013).

ESRI World Imagery © ESRI (acquired on 15/01/2012 GSD 2,5 m, 0% cloud coverage).

Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10000, extracted on 02/02/2015), refined by GAF AG. 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

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 Trespaderne (SPAIN). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event ESRI 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. 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 03/02/2015 by GAF AG under contract 257219 with the European Commission. All products are © of the European Commission.

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

E-mail: rush@ems-gmes.eu

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



Reference Map - Overview

1 ESRI World Imagery © ESRI <sup>1=1</sup> 02/02/2015





