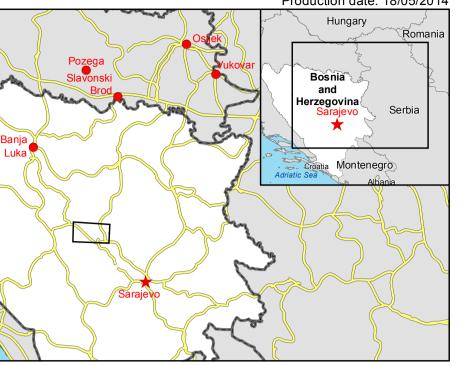


# Zenica BOSNIA AND HERZEGOVINA Flood - 13/05/2014 Reference Map - Detail 01 Production date: 18/05/2014

Activation ID: EMSR-087

Product N.: 02, v1



### Cartographic Information

Full color ISO A1, medium resolution (200 dpi)

Secondary Road

——Local Road

Grid: WGS 1984 UTM Zone 34N map coordinate system

# Tick marks: WGS 84 geographical coordinate system

Transportation Bridge Primary Road

Exposure within the detail AOI Commercial Residential Recreational Urbanized Multifunctional Green Area Local Road

# Map Information

On 13 May 2014, heavy rainfalls and widespread flooding hit large parts of Bosnia and Herzegovina. Heavy rainfall continued to affect large parts, in particular the region of Doboj and Zenica. The core users of the maps are Disaster Response Authorities involved in

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). RapidEye © Blackbridge (acquired on 23/10/2013 10:48 UTC and 21/03/2014 10:49 UTC,

GSD 6,5 m, 0% cloud coverage), all rights reserved. Landsat © USGS (acquired 06/05/2014, 30m, 0% cloud coverage). Base vector layers based on OpenStreetMap © OpenStreetMap contributors, refined by GAF

AG. Source information is included in vector data. Elevation data: SRTM (90m posting). Height in meters above mean sea level.

# Dissemination/Publication

No restrictions on the publication of the mapping apply.

Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

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.

The present map shows basic topographic features such as transportation, hydrology and settlements in the area of Zenica (BOSNIA AND HERZEGOWINA). These basic topographic features are derived from public datasets, refined by means of visual interpretation of preevent orthoimagery from RapidEye © Blackbridge (acquired on 23/10/2013 10:48 UTC and 21/03/2014 10:49 UTC, GSD 6,5m, 0% cloud coverage).

All satellite images have been radiometrically enhanced and orthocorrected with RPC approach (using SRTM elevation data).

The estimated geometric accuracy of this product is 45m CE90 or better, from native positional accuracy of the background satellite image.

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 18/05/2014 by GAF AG 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/EMSR087



Reference Map - Detail

 RapidEye © Blackbridge 27 13-05-2014





