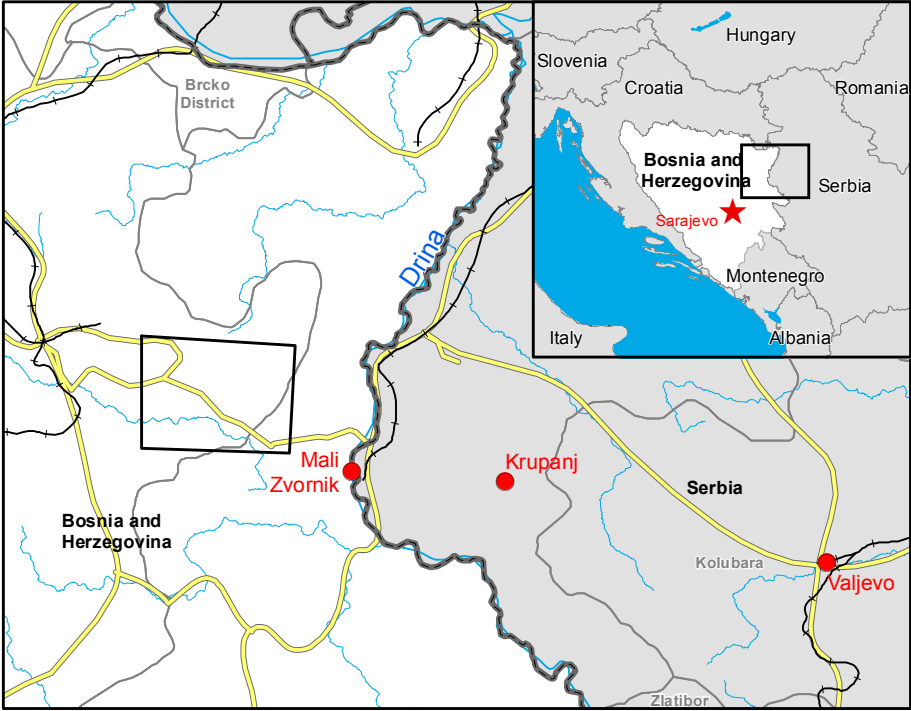


Area of Interest - Detail 01

GLIDE number: N/A Activation ID: EMSR-087
Product N.: 03Vlasenica, v1

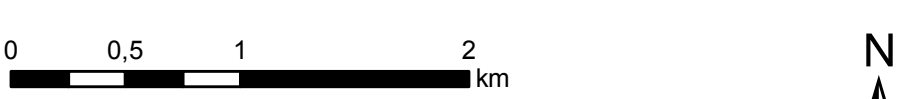
Vlasenica BOSNIA AND HERZEGOVINA Flood - 13/05/2014 Reference Map - Detail 01

Production date: 20/05/2014



Cartographic Information

1:33000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 34N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend	
General Information	Hydrology
Area of Interest	River
Administrative boundaries	Stream
Region	Lake
Settlements	Point of Interest
Populated Place	Educational
Residential	Medical
Industrial	Religious
	Transportation
	Transportation
	Bridge
	Primary Road
	Secondary Road
	Local Road

Exposure within the Detail01 AOI			
Estimated population	inhabitants		44922
Settlements	Industrial	ha	14
	Residential	ha	1243
Transportation	Primary roads	km	29
	Secondary roads	km	104
	Local roads	km	84
	Stations	No.	2

Map Information
On 13 May 2014, heavy rainfalls and widespread flooding hit large parts of Bosnia and Herzegovina. Heavy rainfall continues to affect large parts, in particular the region of Doboj and Zenica. The core users of the maps are Disaster Response Authorities involved in 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),
Landsat® U.S. Geological Survey acquired on 12/03/2014, GSD 15m, approx.0% cloud coverage).
RapidEye® Blackbridge (acquired on 22/10/2013 10:46 UTC, GSD 6 m 5% cloud coverage).
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10,000, extracted on 16/05/2014), refined by e-GEOS. Source information is included in vector data.
Elevation data: SRTM (90m posting) or EU-DEM (25m posting). Height in meters above mean sea level.
Population data: Landsat 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 reduced 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 Vlasenica (BOSNIA AND HERZEGOVINA). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event satellite imagery from RapidEye® BlackBridge (acquired on 22/10/2013 10:46 UTC, GSD 6 m, approx. 5% cloud coverage) and Landsat® U.S. Geological Survey acquired on 12/03/2014, GSD 15m, approx.0% cloud coverage). The estimated geometric accuracy of this product is 5m or better, from native positional accuracy of the background satellite image of the aerial orthoimages. 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 20/05/2014 by e-GEOS 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-giss.eu

Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR087>

Flood

Civil Protection

Response

Reference Map - Detail

Planning

RapidEye © BlackBridge

13-05-2014