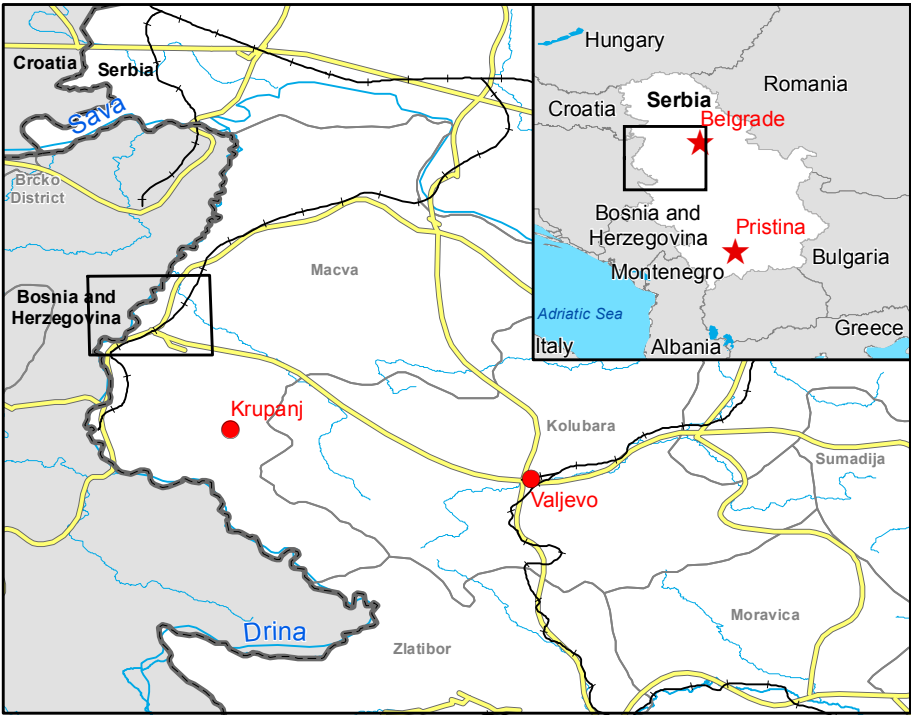




Loznica - SERBIA
Flood - 15/05/2014
Reference Map - Detail 01

Production date: 23/05/2014



Cartographic Information

1:29000 Full color ISO A1, medium resolution (200 dpi)

0 0,5 1 2 km

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

Legend

- General Information**
 - Area of Interest
- Administrative boundaries**
 - International Boundary
 - Region
- Settlements**
 - Populated Place
 - Residential
 - Commercial
 - Industrial
- Hydrology**
 - River
 - Stream
- Industry/Utilities**
 - Quarry
 - Crossing
 - Primary Road
 - Secondary Road
 - Local Road
 - Railway
- Point of Interest**
 - Cemetery
- Land use - Land Cover**
 - Features available in vector data

Exposure within the detail AOI on Serbian Territory			
Estimated population	inhabitants		69447
Settlements	Commercial	ha	54
	Industrial	ha	104
	Residential	ha	1514
Transportation	Primary Roads	km	39
	Secondary roads	km	13
	Local roads	km	59
	Railways	km	29
	Quarry	ha	58
Utilities	Grassland	ha	18882
	Woodland	ha	875

Map Information

Due to prolonged heavy rainfalls and widespread flooding that hit large parts of Serbia, the State of Emergency was declared in the whole territory of the country on 15 May 2014. The core users of the map are Civil Protection authorities involved in in-field operations. The scope of the map production is planning and support to logistics

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).
Base vector layers based on: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10'000), extracted on 15/05/2014, 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: Landscan 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 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 Loznica (Serbia). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event image SPOT-5 © Airbus Defence and Space (acquired on 21/06/2011 09:24 UTC, GSD 5m, 0% cloud coverage).
The estimated geometric accuracy of this product is 15 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 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 within the Serbian territory has been analyzed.
Map produced on 23/05/2014 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.
Name of the release inspector (quality control): GAF AG (ODO).
Map production URL: <http://emergency.copernicus.eu/mapping/list-of-components/EMSR086>

