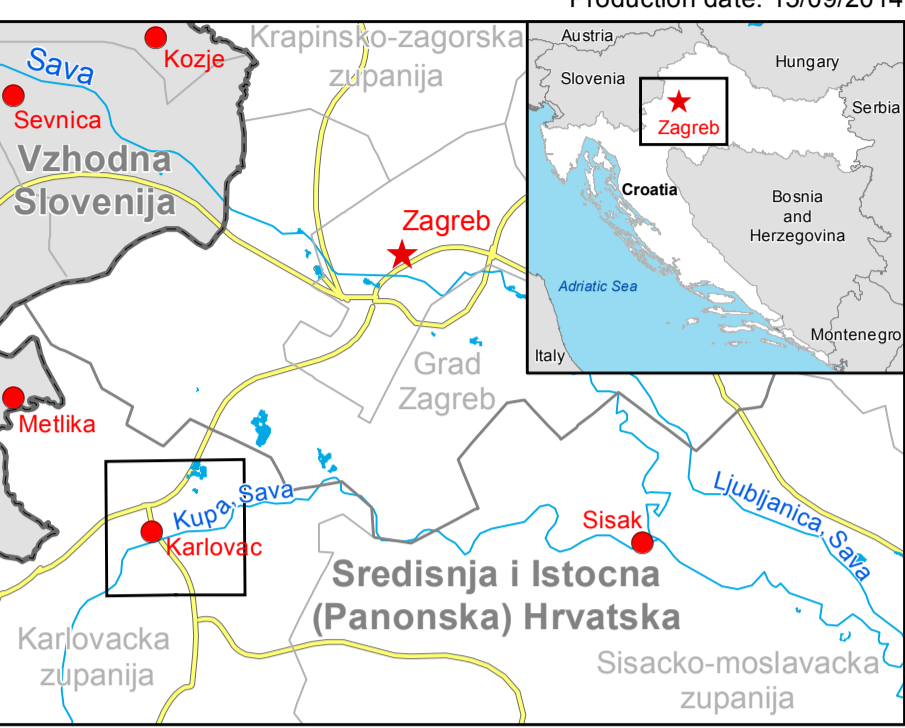


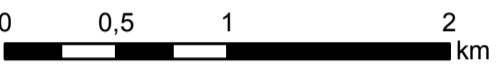
Karlovac - CROATIA  
Flood - 14/09/2014  
Reference Map - Overview

Production date: 15/09/2014



Cartographic Information

1:34000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 33N map coordinate system  
Tick marks: WGS 84 geographical coordinate system



Legend

General Information	Settlements	Hydrology
Area of Interest	Residential	Dam
Point of Interest	Industrial	River
Educational	Recreational	Canal
Institutional	Urbanized Multi-functional	Lake
Medical		Reservoir
Religious		River
Transportation		
Cemetery		
Stadium		

Exposure within the overview AOI

Estimated population	inhabitants	71509
Settlements	Residential	ha 2946
	Industrial	ha 194
	Recreational	ha 3
	Urbanized	ha 40

Map Information

Due to severe raining in last days, extremely high water level is recorded on almost all rivers in the northern part of Croatia. Several villages affected by floods have declared emergency situation. The Mura, Sava, Sutila, Kupa and Lonja rivers have all flooded with Sava, rising up to the highest level that has been observed in the last decades. The core users of the maps are Disaster Response Authorities involved in operations.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISC0 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).  
Background digital orthophotos © 2014 courtesy of Republic of Croatia (acquired in 2013, GSD 2 m).  
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10,000, extracted on 14/09/2014) refined by e-GEOS. 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 (shapelite 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 hydrology and settlements in the area of Karlovac (CROATIA). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event orthophotos © 2014 courtesy of Republic of Croatia.  
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 15/09/2014 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 (OOO).  
E-mail: rush@ems-gmes.eu

Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR101>

