

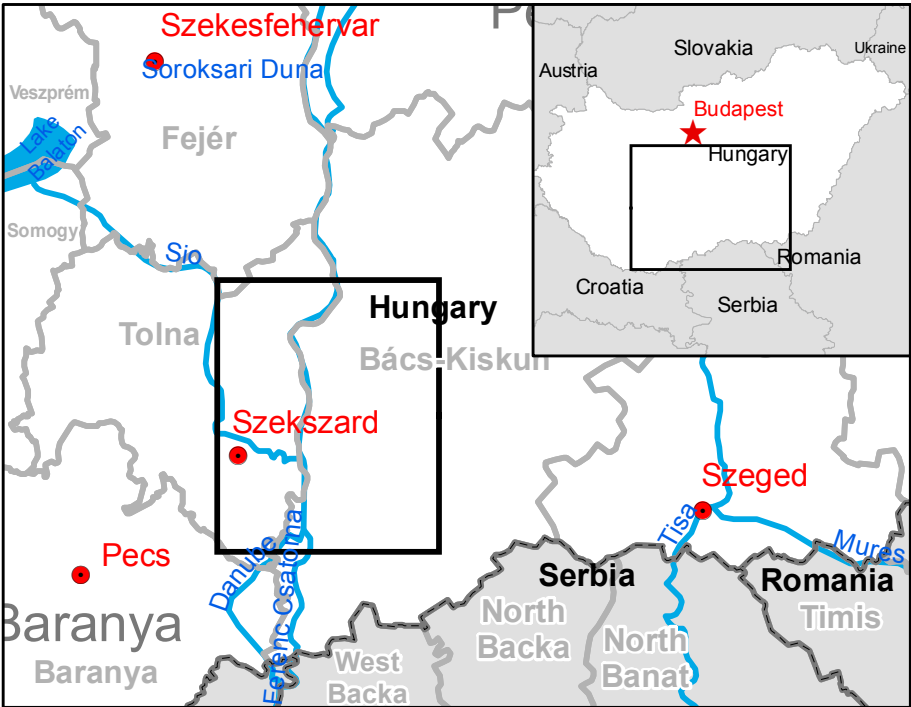
GLIDE number: N/A Activation ID: EMSR-046
Product N.: 05Kalocsa, v1

Kalocsa - HUNGARY

Flood - 04/06/2013

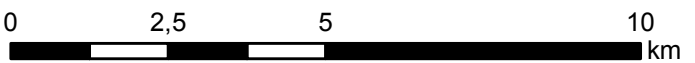
Reference Map - Overview

Production date: 07/06/2013



Cartographic Information

1:120000 Full color ISO A1, medium resolution (200 dpi)



Map Coordinate System: WGS 1984 UTM Zone 34N
Graticule: WGS 84 geographical coordinates

Legend

| General Information | Hydrology | Transportation |
|---------------------------|---------------------------------|----------------|
| Area of Interest | River | Aerodrome |
| Administrative boundaries | Stream | Helipad |
| Region | Canal | Railway |
| Settlement | Lake | Runway |
| Populated Place | River | Motorway |
| Built-Up Area | Point of Interest | Primary Road |
| | Industrial | Secondary Road |
| | Institutional | Local Road |
| | Medical | |
| | Transportation | |
| | Physiography | |
| | Contour lines and elevation (m) | |

Map Information

Surging rivers in Hungary, Czech Republic, Germany and Austria caused widespread flooding in the region. Heavy rains had swelled the Elbe, Danube and Vitava rivers over the weekend, along with smaller rivers and tributaries.
Hungary declares states of emergency as the waters of the Danube River rose to record levels. There are flood protection alert and preparedness along 759.8 km in the country. On the upper section of Danube the highest ever measured water levels are expected. Peak on Danube River is expected for June 10 in Budapest. Water management experts are forecasting 385 +/- 20 cm water level in Budapest, the highest ever measured water level. Peak in Nagybaics (near City Győr, HU/SK border) is expected for June 8, with 900 +/- 10 cm water level (highest ever measured).
The main users of the map are Civil Protection authorities involved in in-field operations. The potential additional users of the map are Civil Protection authorities involved in operations.
The scope of the map is to provide support to planning and rescue 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 imagery © USGS (acquired on 2000 - 2010, GSD 15m, 0% cloud coverage).
Base vector layers based on Openstreetmap, Wikimapia, Geonames, all the source used for vectors (approx. 1:10,000, extracted on 06/06/2013), refined bySIRS.
Elevation data: EUDEM (25 m posting).
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 (shapetile 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 Kalocsa (Hungary). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event Landsat orthomage.
All satellite images have been radiometrically enhanced and georeferenced.
The estimated geometric accuracy of this product is 50 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 satellite optical imagery. Only the area enclosed by the Area of Interest has been analyzed.
Map produced on 07/06/2013 by SIRS 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



Flood

- Civil Protection
- Response
- Reference Map - Overview
- Planning
- Landsat (USGS/NASA)
- 04-06-2013

