Activation ID: EMSR-087 GLIDE number: N/A Legend Product N.: 03Vlasenica, v1 Hydrology Exposure within the overview AOI **General Information Transportation** Vlasenica - SERBIA Area of Interest Reservoir Bridge Flood - 13/05/2014 Estimated inhabitants Crossing 301944 River Reference Map - Overview population Administrative boundaries Bridge Stream Production date: 19/05/2014 -I- - International Boundary 1,85 Settlements Commercial ----- Railway --- Region Lake Industrial 400 **Cartographic Information** ----- Motorway Residential 4205 Reservoir **Settlements** Transportation Primary roads km 230 — Primary Road 1:120000 Full color ISO A1, medium resolution (200 dpi) River km 232 Secondary roads Populated Place Secondary Road **Industry / Utilities** 277 Local roads km Residential Aerodrome Railways km ■ Power Station Commercial Stations No. Map Coordinate System: WGS 1984 UTM Zone 34N Quarry Utilities 872 Graticule: WGS 84 geographical coordinates Quarry Industrial 380000 19°30'0"E 320000 350000 Macvanski uzl<mark>ansko-podrinjski</mark> Loznica Kalestja Federacija Bosna i Hercegovina Krupanj Area of Interest-Detail 01 Zvomík Administrative unit not available Serbia Ljubovija Selovici Sekovici Kolubarski Vlasenica Bosnia and Osecina Herzegovina Bratunac Milići Nova Kasal Republic Federacija Bosnê, of Serbia I Hercegovine Bratunac Masenfea V Olovo Zenicko-dobojski Republika Srpska /lasenica / Bosnia and Herzegovina Srebrente Srebrenica Han Pijesak Repuplika Srpska Area of Interest Overview Zlatiborski 340000 320000 330000 350000 360000 370000 Map Information Dissemination/Publication Map Production L Civil Protection 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 On 13 May 2014, heavy rainfalls and widespread flooding hit large parts of Bosnia and Herzegovina. No restrictions on the publication of the mapping apply.

Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats). Response Heavy rainfall continues to affect large parts, in particular the region of Doboj and Zenica. The core Reference Map - Overview users of the maps are Disaster Response Authorities involved in operations. 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 Planning coverage) and Landsat © U.S. Geological Survey aquired on 12/03/2014, GSD 15m, approx. 0% cloud Rapideye© BlackBridge coverage). The estimated geometric accuracy of this product is 5m or better, from native positional accuracy of the Flood 27 13-05-2014 Framework **Data Sources** background satellite image of the aerial orthoimages. The products elaborated in the framework of current mapping in rush mode activation are realized to Shadowed areas are zones of lower interpretation accuracy due to the poorer image radiometry. Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), the best of our ability, within a very short time frame during a crisis, optimising the available data and Only the area enclosed by the Area of Interest has been analyzed. Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements Map produced on 19/05/2014 bye-GEOS under contract 257219 with the European Commission. All information. All geographic information has limitations due to scale, resolution, date and interpretation (Geonames, 2013). Landsat © U.S. Geological Survey aquired on 12/03/2014, GSD 15m, approx. 0% cloud coverage).

RapidEye© BlackBridge (acquired on 22/10/2013 10:46 UTC, GSD 6 m, approx. 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 of the original data sources. The products are compliant with GIO-EMS RUSH Product Portfolio products are © of the European Commission. Name of the release inspector (quality control): e-GEOS (ODO). E-mail: rush@ems-gmes.eu specifications.

included in vector data.

Population data: Landscan 2010 © UT BATTELLE, LLC. All Data sources are complete and with no gaps.

Elevation data: SRTM (90m posting) or EU-DEM (25m posting). Height in meters above mean sea