Activation ID: EMSR-114 GLIDE number: N/A Legend Product N.: 01Evros, v2 **Crisis Information** Hydrology Point of Interest Consequences within the detail AOI03 on 12/12/2014 **Evros - GREECE** Affected Total in AOI Flooded Area (12/12/2014) ★ Religious Flood - 10/12/2014 ha 3041.7 Flooded area **General Information** Transportation Delineation Map - Detail03 Estimated population Inhabitants 647 33800 Area of Interest 679.5 Settlements Residential 0.01 **Industry / Utilities** Production date: 13/12/2014 43 Transportation Primary roads km 1.5 Not analyzed 155 Secondary 15 km **Cartographic Information** Administrative boundaries 43.7 Railways 5 **Transportation** Bridges No. -I- - International Boundary Bridge 1:60000 Full color ISO A1, high resolution (300 dpi) 0 Quarry **Settlements** +++- Railway Populated Place Primary Road Map Coordinate System: WGS 1984 UTM Zone 35N Residential Tekirdag Secondary Road Graticule: WGS 84 geographical coordinates Anatoliki Makedonia Area of Interest - Detail 26°27'30"E 455000 26°22'30"E 26°12'30"E 26°15'0"E 26°25'0"E 26°30'0"E 26°10'0"E 430000 435000 445000 450000 460000 Map Information Dissemination/Publication Map Production L Civil Protection Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats). Due to heavy rainfall since 4 December 2014, many areas of the Evros Regional Unit have been flooded. The present map shows the flood delineation in the area of Evros (GREECE). The basic topographic Response Furthermore, the Greek authorities have been informed by Bulgaria that large amounts of water are expected features are derived from public datasets, refined by means of visual interpretation of pre-event ESRI Delineation Map - Detail to enter the Greek territory in the Evros Regional Unit. Framework Thematic layers, assessing the delineation of the event, have been derived from post-event Sentinel-1A image (acquired on 12/12/2014 04:22 UTC, GSD 20 m), provided by the European Space Agency. The flooding in the broader area of the Evros Regional Unit has already caused damage in livestock, Planning agricultural areas and infrastructure.

The General Secretary for Civil Protection has declared the affected areas in a state of emergency.

The products from Copernicus/EMS will be used by the competent authorities of the Evros Regional Unit and the affected municipalities (Civil Protection authorities, public works services, etc.) for emergency response 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 All satellite images have been radiometrically enhanced, geocoded (using SRTM elevation data) and 1 Sentinel-1 © ESA All satellite images have been radiometrically enhanced, geocoded (using SRTM elevation data) and coregistered to the pre-event image.

The estimated geometric accuracy of this product is 10 m CE90 or better, from native positional accuracy of the background satellite image.

The estimated thematic accuracy of this product is 85% or better, based on previous experience in using high-resolution SAR for flood extent delineation. Please be aware that the thematic accuracy might be lower in urban and forested areas due to known limitations of the analysis technique.

Only the area enclosed by the Area of Interest has been analyzed. information. All geographic information has limitations due to scale, resolution, date and interpretation Flood 27 10-12-2014 of the original data sources. The products are compliant with GIO-EMS RUSH Product Portfolio operations. specifications. **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).

ESRI World Imagery © Esri, Digitalglobe (acquired on 19/08/2010, 18/09/2010 and 08/12/2011, GSD 2.5 m, approx. 0.2% cloud coverage), provided under ESA GSC-DA DWH License.

Sentinel-1A © ESA (acquired on 12/12/2014 04:22 UTC, GSD 20 m), provided by the European Space Only the area enclosed by the Area of Interest has been analyzed. Map produced on 13/12/2014 by ITHACA 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

Map products available at http://emergency.copernicus.eu/mapping/list-of-components/EMSR114

Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames, GADM (approx. 1:10000, extracted on 12/12/2014), refined by ITHACA. Source information is included in

Elevation data: SRTM (90m posting). Height in meters above mean sea level.

Population data: Landscan 2010 © UT BATTELLE, LLC.