

## Guipry - FRANCE Flood - 02/01/2014 Delineation Map - Overview

Production date: 10/01/2014

### Cartographic Information

1:75000

Full color A1, high resolution (300dpi)

Map Coordinate System: WGS 1984 UTM Zone 30N  
Graticule: WGS 84 geographical coordinates

### Legend

#### Crisis Information

Flooded Area (04/01/2014)

#### General Information

Area of Interest

Sensor Footprint

#### Administrative boundaries

Region

Municipality (Commune)

#### Settlements

Populated Place

#### Hydrology

Dam

River

Canal

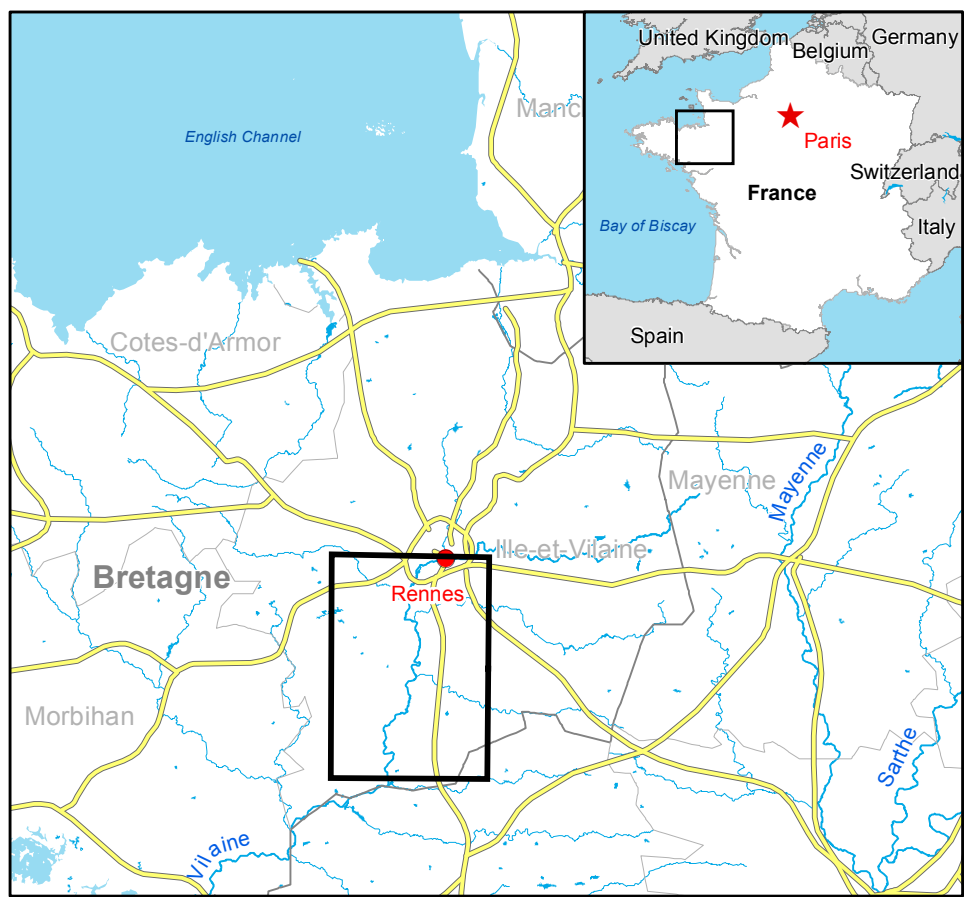
River

Lake

Reservoir

#### Consequences within the Overview AOI on 04/01/2014

Flooded area	ha	Affected	Total in AOI
Estimated population	Inhabitants	640	254317



### Map Information

On 2 January 2014, heavy rains and storms in the Bretagne led to rivers flowing well above their normal levels causing floods, and red and orange alerts were triggered due to ongoing flood risks. Most affected areas are the provinces (départements) of Finistère, Morbihan and Ille-et-Vilaine. The core users of the map are Disaster Response authorities involved in 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). Aerial orthoimages BD ORTHO © IGN (acquired on 2009 - 2013, GSD 5 m, 0% cloud coverage). Base vector layers based on BD Topo Vector Data © IGN, source information is included in vector data. COSMO-SkyMed © ASI 2013 (acquired on 04/01/2014 18:12 UTC, GSD 30 m) provided by e-GEOS S.p.A., All rights reserved Population data: Landsat 2010 © UT BATTELLE, LLC. Elevation data: SRTM (90 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 (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 the current situation on the flood delineation in the area of Redon (Bretagne, France). The basic topographic features are hydrology, toponyms and administrative borders. Thematic layers, assessing the delineation of the event, have been derived from post-event image COSMO-SkyMed © ASI 2013 (acquired on 04/01/2014 18:12 UTC, GSD 30 m) provided by e-GEOS S.p.A., All rights reserved. All satellite images have been radiometrically enhanced, orthorectified with RPC approach (using SRTM elevation data) and coregistered to the pre-event image. The estimated geometric accuracy of this product is 5 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. Map produced on 10/01/2014 by GAF AG under contract 257219 with the European Commission. All products are © of the European Commission. Name of the release inspector (quality control): GAF AG (ODO). E-mail: rush@ems-gmes.eu Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR065>

