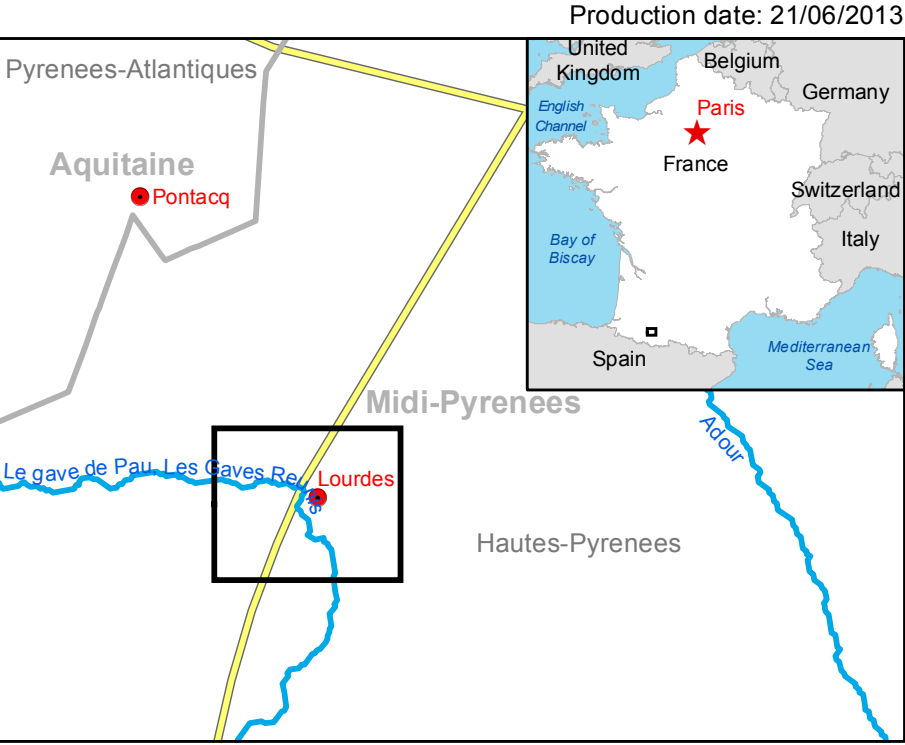


GLIDE number: N/A Activation ID: EMSR-048
Product N.: 03Lourdes, v1

Lourdes - FRANCE Flood - 18/06/2013 Delineation Map - Detail



Cartographic Information

1:9000 Full color ISO A1, medium resolution (200 dpi)

0 125 250 500 m

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

Legend

- Crisis Information**
 - Flooded Area (20/06/2013)
- General Information**
 - Area of Interest
- Administrative boundaries**
 - Municipality
- Settlements**
 - Populated Place
 - Residential
 - Industrial
 - Institutional
 - Recreational
 - Religious
 - Transportation
- Industry / Utilities**
 - Quarry
- Hydrology**
 - Stream
 - Lake
 - River
- Point of Interest**
 - Institutional
 - Religious
- Transportation**
 - Bridge
 - Station
 - Railway
 - Primary Road
 - Secondary Road
 - Local Road

Consequences within the AOI on 20/06/2013			
Estimated Population	33 inhabitants		
Transportation	2.9 km		
Land use	Agriculture	1.6 ha	Built up area
	Forest	0.4 ha	

Map Information
Heavy rains and thunderstorms in Southern France areas led to rivers flowing well above their normal levels causing flash floods (for more info please see <http://www.mfrnews.fr/info/photos-crues-meteo-france-voit-rouge/mmfr/wXhrXg6r6Ww/>) Most affected areas are Lacq, Pau and Lourdes municipalities in Southern France within Department 64 and Department 65, along the Gave de Pau river.
The core users of the map are Civil Protection authorities involved in in-field operations. The potential additional users of the map are other 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), Cosmo-SkyMed © ASI (acquired on 20/06/2013 17:44 UTC, GSD 2.5 m), Aerial orthomages BD ORTHO © IGN (acquired on 2009 - 2013, GSD 2.50 m, 0% cloud coverage).
Base vector layers based on Openstreetmap, Geonames, Corine Land Cover, Urban Atlas (approx. 1:25,000, extracted on 18/06/2013), refined by SIRS.
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 basic topographic features such as transportation, hydrology and settlements in the area of Lourdes (Pyrenees-Atlantiques, FRANCE). These basic topographic features are derived from public datasets, refined by means of visual interpretation of the national official aerial orthomages BD ORTHO © IGN (GSD 2.50 m, 0% cloud coverage).
The thematic layer assessing the delineation of the flood event has been derived from Cosmo-SkyMed post-event imagery (2.5 m resolution, acquired on 20/06/2013 17:44 UTC). The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background aerial 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.
Map produced on 21/06/2013 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

Civil Protection

Response

Delineation Map - Detail

Planning

Cosmo-SkyMed (c) ASI

18-06-2013

Flood