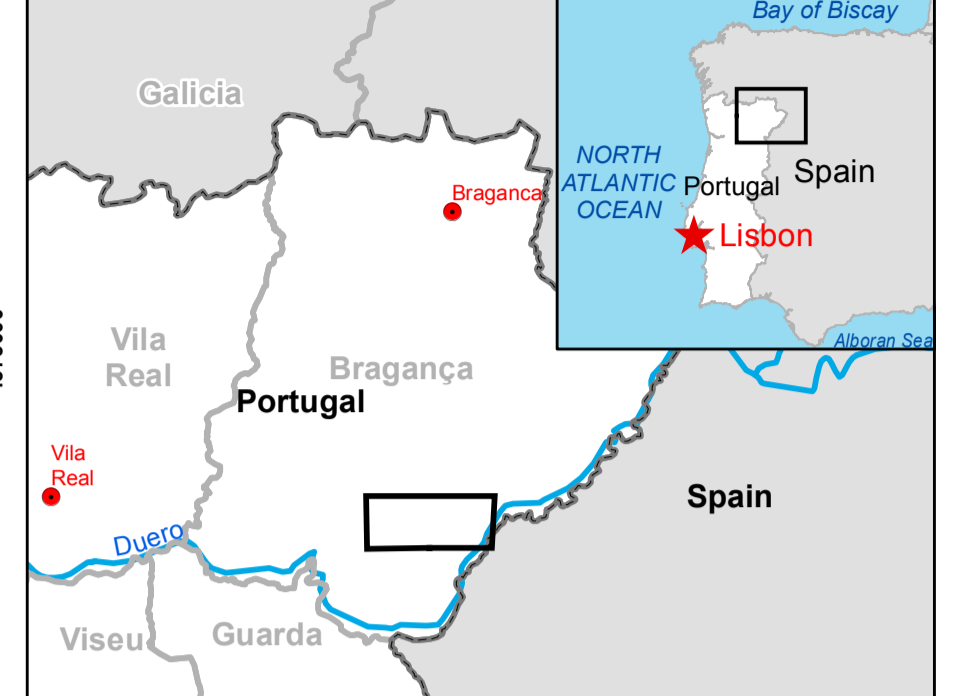


GLIDE number: N/A Activation ID: EMSR-050  
Product N.: 01Bragança\_v1

### Bragança - PORTUGAL Forest Fire - 09/07/2013 Grading Map - Overview

Production date: 12/07/2013



#### Cartographic Information

1:45000 Full color ISO A1, medium resolution (200 dpi)  
0 0.75 1.5 3 km  
Map Coordinate System: WGS 1984 UTM Zone 29N  
Graticule: WGS 84 geographical coordinates

- #### Legend
- Crisis Information**
    - Highly affected
    - Moderately affected
  - General Information**
    - Area of Interest
    - Sensor Footprint
  - Settlements**
    - Populated Place
    - Residential
    - Industrial
  - Hydrology**
    - River
    - Lake
  - Physiography**
    - Contour lines and elevation (m)
  - Transportation**
    - Primary Road
    - Secondary Road
    - Local Road

Consequences within the overview AOI on 11/07/2013

		Highly affected	Moderately affected	Total in AOI
Burnt area	ha	8697	2783	11480
Estimated population	Inhabitants	686	2820	
Settlements	Industrial	5	7	
	Residential	6	84	
Transportation	Primary roads	21	76	
	Secondary roads	-	11	
	Local roads	40	107	

#### Map Information

Starting from July 9th, 2013 a forest fire is affecting the northern region of PORTUGAL, in the district Bragança. Mainly Pinus pinaster forest and agricultural areas are affected. The main 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).  
GeoEye-1 © DigitalGlobe (acquired on 11/07/2013, GSD 2m, 0% cloud coverage) provided under ES A GS C-DA DW H License.  
Landsat © USGS (acquired on 29/06/2013, GSD 15m, 0% cloud coverage)  
Base vector layers based on Openstreetmap, Geonames, (extracted on 10/07/2013), refined by GAF AG.  
Contour lines derived from SRTM. Height above mean sea level.  
Population data: Landscan 2010 © UT BATTELLE, LLC.  
All Data sources are complete and with no gaps.

#### Data Sources

No restrictions on the publication of the mapping apply.  
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapfile 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, contour lines and settlements in the area of Bragança (PORTUGAL). These basic topographic features are derived from public datasets, refined by means of visual interpretation of the national official aerial orthoimages © DGT (Direcção Geral do Território) (0% cloud coverage).  
The thematic layer assessing the grading of the fire event has been derived from GeoEye-1 post-event imagery (2m resolution, acquired on 11/07/2013 11:13 UTC) by semi-automatic classification.  
The estimated geometric accuracy of this product is 5m CE90 or better, from native positional accuracy of the background aerial image.  
The estimated thematic accuracy of this product is 85% or better, as it is based on visual interpretation of recognizable items on very high resolution optical imagery.  
Map produced on 12/07/2013 by GAF AG under contract 257219 with the European Commission. All products are © of the European Commission.