

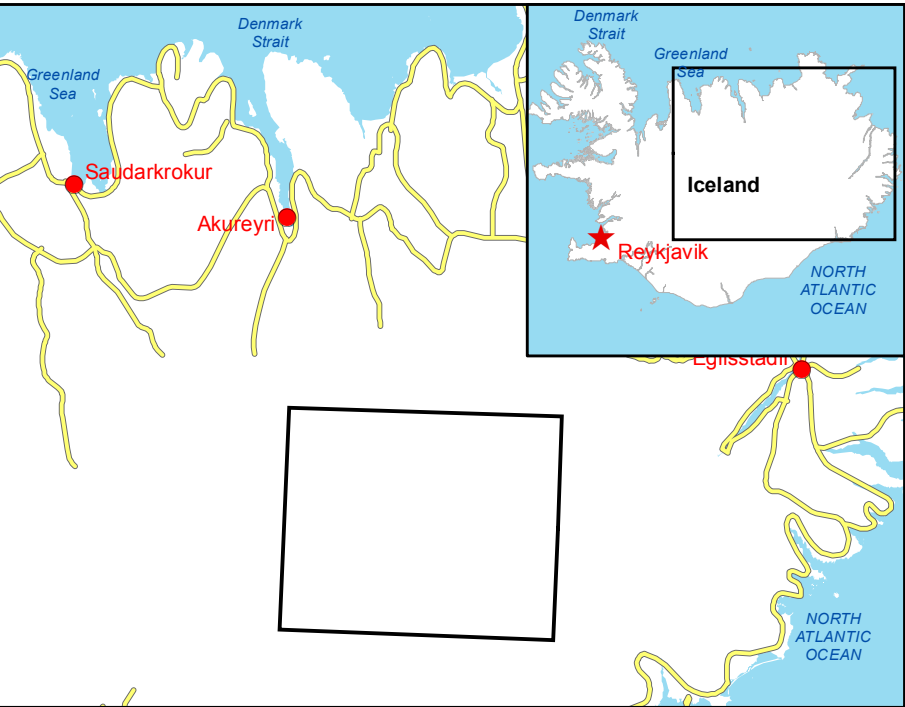
GLIDE number: N/A Activation ID: EMSR-099
Product N.: 01Askja, v1

Askja - ICELAND

Volcanic eruption - 01/09/2014

Reference Map - Overview

Production date: 03/09/2014



Cartographic Information

1:150000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 28N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- General Information**
 - Area of Interest
- Transportation**
 - Local Roads
- Hydrology**
 - River
 - Lake
- Physiography**
 - Contour lines and elevation (m)

Exposure within the overview AOI			
Estimated population		inhabitants	8
Transportation	Local roads	km	284

Map Information

On September the 1st 2014 a new volcanic eruption in south east Iceland fountained lava nearly 60 m into the air.
Lava is spewing from the same crack as a small eruption that occurred on August 29. The fissure slices through the 200-year-old Holuhraun lava field, between Bardarbunga volcano and Askja volcano.
The volcanic activity kicked off Aug. 16, when thousands of small earthquakes underneath the Bardarbunga volcano signaled fresh magma (molten rock) was burrowing underground.
This map has not been validated with in-situ data.
The core users of the map are Humanitarian Aid Operators.
The potential additional users of the map are Civil Protection authorities involved in in-field operations.
The scope of the map production is planning and support to logistics.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISC0 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).
Landsat-8 (acquired on 21/08/2014 12:27, GSD 30 m, 20% cloud coverage and on 28/08/2014, GSD 30 m, 9% cloud coverage) provided under ESA GSC-DA DWH License.
Vector layers refined by e-GEOS.
Source information is included in vector data.
Elevation data: SRTM from www.viewfinderpanoramas.org/dem3.html#mat.
Height in meters above mean sea level.
Population data: Landscan 2010 © UT BATTELLE, LLC.
All Data sources are complete and with no gaps.

Dissemination/Publication

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 physiography in the area of the Askja volcano. These basic topographic features are derived from visual interpretation of pre-event image Landsat - 8 (acquired 21/08/2014).
All satellite images have been radiometrically enhanced.
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 95 % or better, as it is based on visual interpretation of recognizable items on high resolution optical imagery. Shadowed areas are zones of lower interpretation accuracy due to the poorer image radiometry. Only the area enclosed by the Area of Interest has been analyzed.
Map produced on 03/09/2014 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.
Name of the release inspector (quality control): e-GEOS (ODO).
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Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR099>

Civil Protection

Preparedness

Reference Map - Overview

Planning

Landsat-8 (c) USGS

01-09-2014

Volcanic eruption