



**NATIONAL COMMISSIONER OF THE ICELANDIC POLICE**  
DEPARTMENT OF CIVIL PROTECTION AND EMERGENCY MANAGEMENT



**THE SCIENTIFIC ADVISORY BOARD OF THE ICELANDIC CIVIL PROTECTION**

**Date:** 19.09.2014    **Time:** 09:30    **Location:** Crisis Coordination Centre, Skogarhlid

**Regarding:** Volcanic activity in the Bardarbunga system.

**Attending:** Scientists from Icelandic Met Office and the Institute of Earth Sciences University of Iceland along with representatives from the Icelandic Civil Protection, the Environmental Agency of Iceland and Directorate of Health.

**Main points**

- Volcanic eruption in Holuhraun
- Air quality
- Scenarios

**Notes**

- The volcanic eruption in Holuhraun continues with similar rate as last few days.
- The subsidence of the Bardarbunga caldera continues with same rate as before.
- Seismic activity has been rather intensive over the last 24 hours. The biggest was M5,3 at 14:21 yesterday and another one was measured M4,7 at 06:44 this morning. In total 10 earthquakes larger than M3,0 were detected in Bardarbunga since our last meeting. Smaller earthquakes were detected in Dyngjajokull glacier and in north part of the dyke.
- GPS monitoring continue to show irregularity in in the crustal movements over the last few days. This sign could indicate that the magma movement under Bardarbunga is changing.
- No change was detected in water monitoring.
- Chemical analysis and modelling, of the magma coming up in the Holuhraun eruption, indicates that the magma is coming up from a depth of more than 10 km.

**Air quality:**

- A prediction from the Icelandic Met Office: Today, the airpollution from the eruption site in Holuhraun is mostly to the north from Lake Mývatn in the west to Vopnafjordur bay in the east. This afternoon, the wind direction turns more westerly and the pollution then covers the eastern part of Iceland
  - The Icelandic Met Office has published an interactive map showing gas pollution prediction. The map can be found here: [www.vedur.is/vedur/spar/gasdreifing](http://www.vedur.is/vedur/spar/gasdreifing)
- The Icelandic Met Office has also opened a web page were people can report if they have detected gas pollution. A link to the page can be found on the Icelandic version of the web page under [Skrá mengun NÝTT](#). Few notifications have been registered of the page, including reports from the Westfjords.
- Instructions:
  - People who feel discomfort are advised to stay indoors, close their windows, turn up the heat and turn off air conditioning. Use periods of good air quality to ventilate the house. Measurements of air quality can be found on the webpage [www.loftgaedi.is](http://www.loftgaedi.is) The Meteorological Office issues forecast on its web-page and warnings if conditions change to the worse.
  - Instructions from the office of the Chief Epidemiologist and The Environment Agency can be found on their web-sites [www.ust.is](http://www.ust.is) and [www.landlaeknir.is](http://www.landlaeknir.is)



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Other scenarios cannot be excluded.

### **From the Icelandic Met Office:**

The Aviation Colour Code for Bardarbunga remains at 'orange'.

The National Commissioner of the Icelandic Police, Department of Civil Protection and Emergency Management  
[www.almannavarnir.is](http://www.almannavarnir.is)