

# Volcanology and Geothermal Resources: Participation of Landsvirkjun in the EUROVOLC project

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# Landsvirkjun and EUROVOLC

- Strong infrastructure and wealth of data created by the Landvirjun energy company has catalysed important research interest and cooperation with scientist and has been a big part of Landsvirkjun's operation from the beginning.
- Landsvirkjun makes data available from its databases from geothermal areas in Northeast Iceland within the EUROVOLC project.
- This is regarded a foundation of a successful industry and science community cooperation.

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# Seismic and geodetic networks

- Landsvirkjun is running a seismic network consisting of 17 stations in NE-Iceland (<http://lv.isor.is/> , in English and Icelandic), operated by Iceland GeoSurvey.
- Landsvirkjun has installed four continuously operating GPS stations in or near the geothermal areas in North Iceland: one in Theistareykir, two stations in Krafla and one in Bjarnarag (operated by University of Iceland). In addition, GPS-measurement campaigns have been performed every year in the last decade covering the Krafla area (<http://www.icelandsupersite.hi.is/gps/ts/NVZ.html>).

# Borehole data, drill cuttings and chemical data

- Borehole logs will be accessible, such as formation temperature and pressure. Also lithological logs (x,y,z) such as resistivity, neutron-neutron and gamma-ray. Interpretation reports of televiewer logs from selected wells will be available.
- Drill cuttings have been collected during drilling at over 70 deep wells at every two meters interval and lithology figures and cross sections will be available.
- All chemical data from high- temperature wells, groundwater wells, hot-springs and fumaroles will be available, either by request or through an on-line viewer access directly to Landsvirkjun chemical management system.

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