

# Development of seismic activity at the Hellisheidi Geothermal Power Plant since the autumn of 2011

On one hand, the figure shows the magnitude of seismic activity and, on the other hand, the accumulated number of seismic tremors during the period. The seismic data are obtained from the national seismometer network of the Icelandic Meteorological Office (IMO).

In 2022 no earthquake over magnitude 3 occurred in ON Power's reinjection field. However, two events, magnitude 3.1 and 3.2, occurred in the Hverahlid production field, one in February and the other in November. It is likely that those events are related to the production in the field. Furthermore, a 4.9 magnitude event occurred at Stori-Meitill. That earthquake's hypocentre was at a considerable depth, at around 8 kilometres and is therefore most likely not related to ON Powers' operations in the area. No changes were made in the reinjection rates in 2022, but two alerts were issued to the IMO and the Department of Civil Protection and Emergency Management due to the two aforementioned events at Hverahlid.

