



Geothermal4PL

Wsparcie zrównoważonego rozwoju i wykorzystania płytkiej energii geotermalnej na terenie obszarów objętych programem Mieszkanie Plus w Polsce

Państwowy Instytut Geologiczny – Państwowy Instytut Badawczy
Christian Michelsen Research AS
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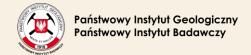






Legal regulations for GSHP in Norway

Kirsti Midttomme CMR

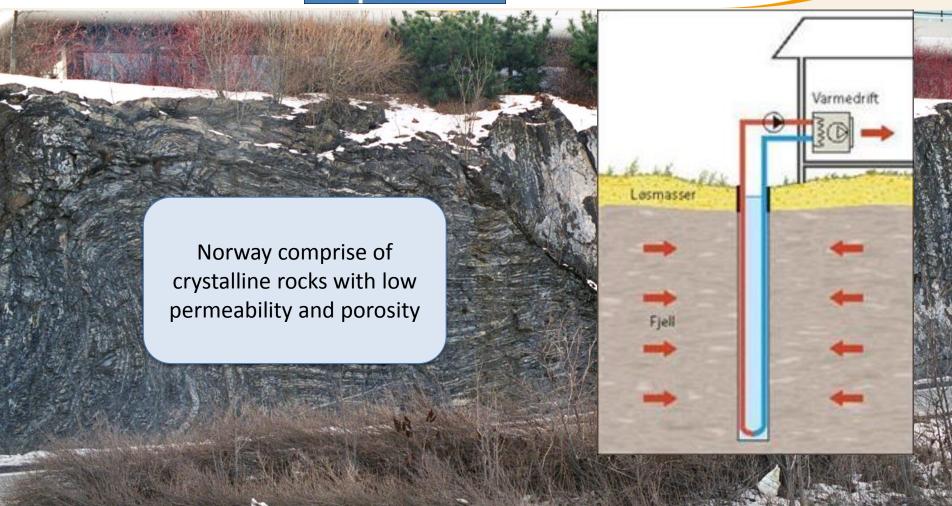


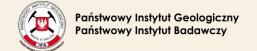






Iceland Liechtenstein Norway
Norway grants grants











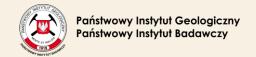


Norway

Who have the rights to the heat under my property?

In Norway, the rights to geothermal heat or cold are still unclear

The first case in court will be principled and governing











Norway

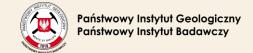
Closed system Borehole Heat Exchangers

Planning and Building Act

- No prior approval is required, but following are required
 - Not cause damage or danger to the environment
 - No conflict with existing and planned infrastructure
 - Drilling report send to Geological Survey of Norway after drilling

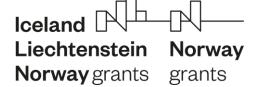
Open system Direct use of groundwater

- Landowners are free to extract water for their households.
- For any water withdrawal that exceeds this, the landowner must apply to the Water and Energy authorities for license.
- The rate at which groundwater is withdrawn must be sustainable

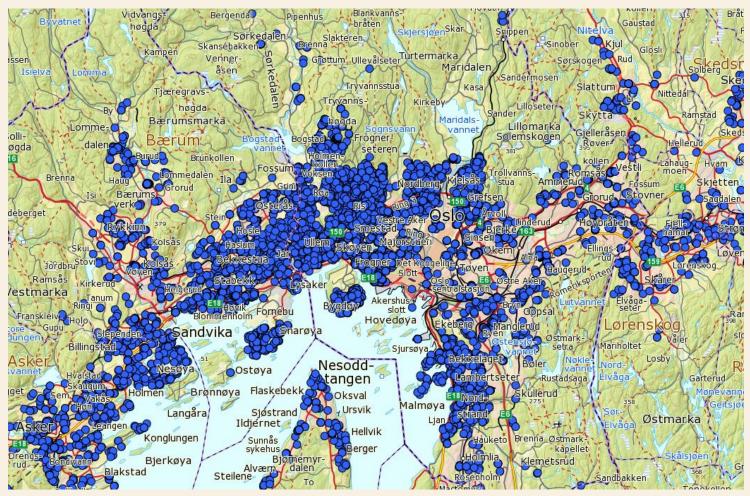








BHEs registered in Oslo region



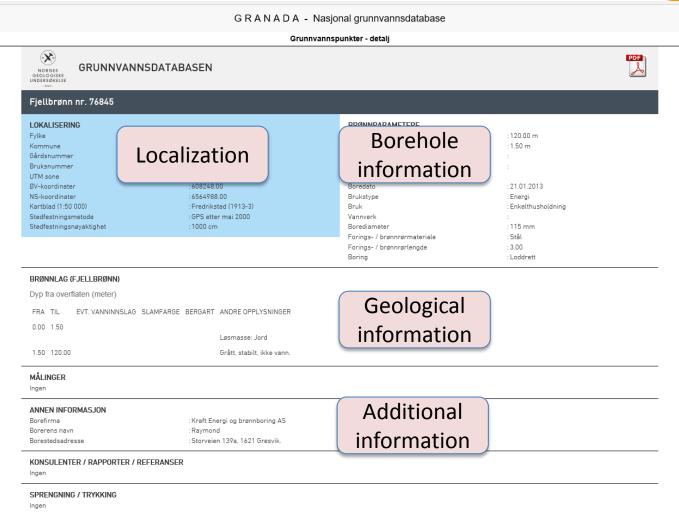






Liechtenstein Norway Norway grants grants

Drilling report













Tusen takk for oppmerksomheten

Thank you for your attention



