

Geothermal development for electricity production in France

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AFPG (Geothermal French Association of Professional)

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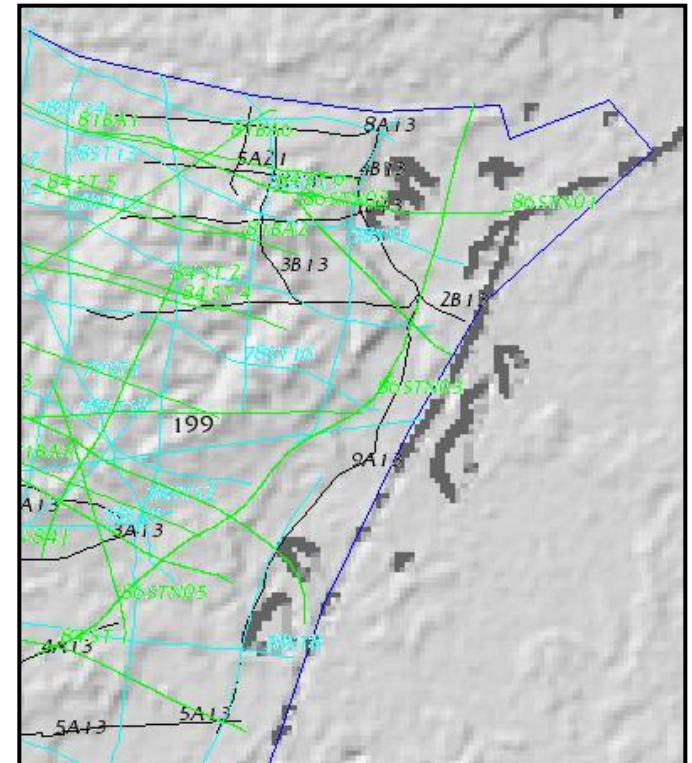
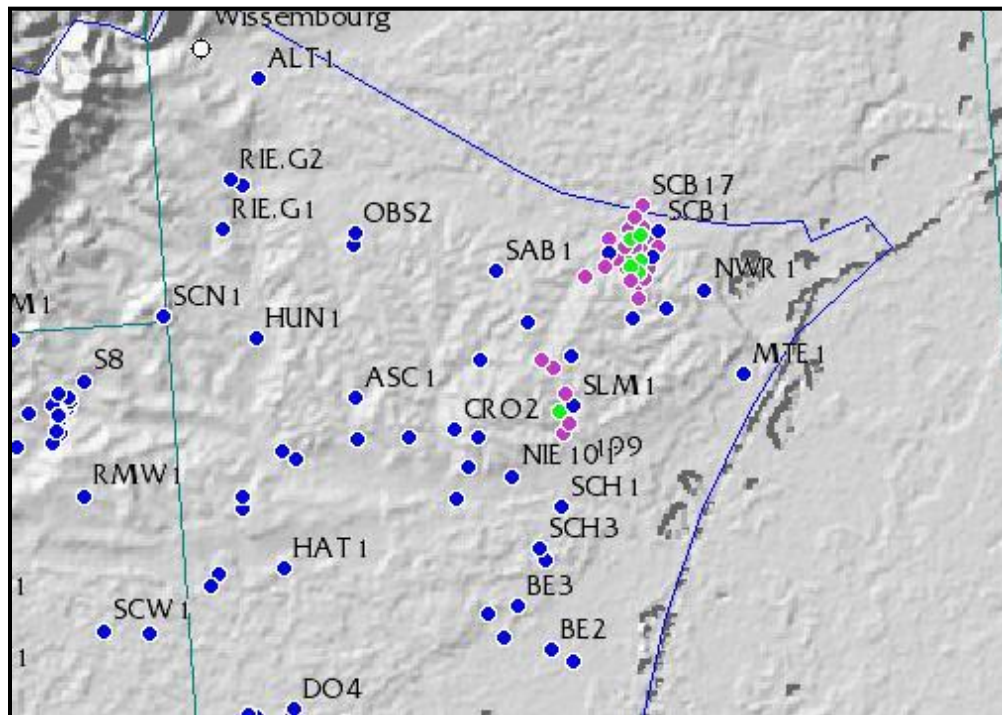
Available data in France

a very nice tool box

- all drillings over 10m depth have to be declared in France
- Data are available on « Infoterre » managed by BRGM with more than 250 000 registered boreholes
- In parallel all technical existing data compiled by the BEPH (a department of the Industry ministry) regarding oil and gas exploration and exploitation
- Geological sections, tests, logs, analysis etc...
- All these data are public and can be bought at a very reasonable price (corresponding to printing and delivery)
- A lot of geological reports and inventories done by BRGM are also available on line

Available data in France

Maps of BEPH with existing wells and seismic lines



Comments and how to accelerate the development

- The geothermal leases are managed like oil and gas wells with a very low process which is ruled, for temperature over 150°C, by the mining code and a permit signed by the minister in charge
- Lack of new oil and gas wells related to the small drilling activity in France (5 wells on going at the moment) and no replication of Soultz sous Forêts at an industrial size
- Strong debate on shale gas with abrogation of all the permits granted by the French government
- The risk insurance system managed by SAF Environnement is not yet extended for deep geothermal wells drilled for electricity (strong barrier for French volcanic islands)
- The feed in tariff can be considered rather good at 200 €/MWH on shore but has to be upgrade in DROM from only 130€ at the moment
- A very good sign is that private companies are coming
- A very encouraging AMI has been launched following the writing of a road map for geothermal last summer

List of existing geothermal leases

Alsace – Wissembourg (Electricité de Strasbourg)

Alsace – Lauterbourg (Geopetrol - Electricité de Strasbourg)

Alsace – Soultz (GEIE)

Alsace – Hatten (Roquette - Electricité de Strasbourg)

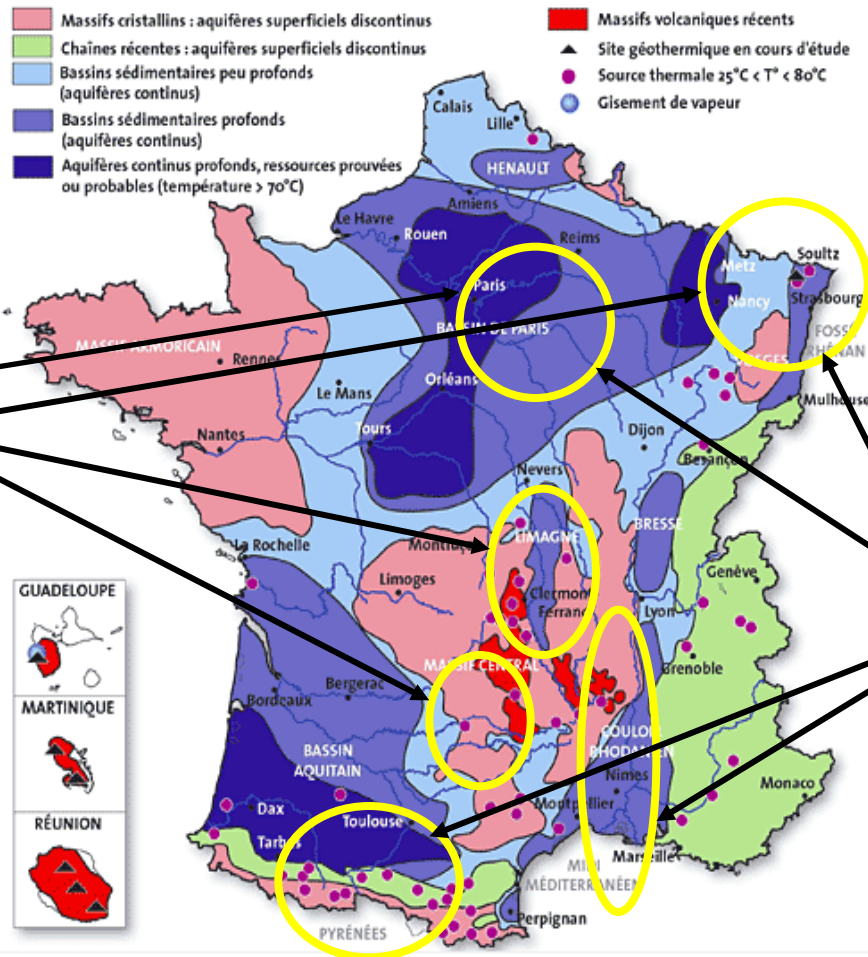
Alsace – Illkirch/Erstein (Electricité de Strasbourg)

Alsace – Strasbourg (Groupe Fonroche)

Auvergne – Limagne (Geopetrol)

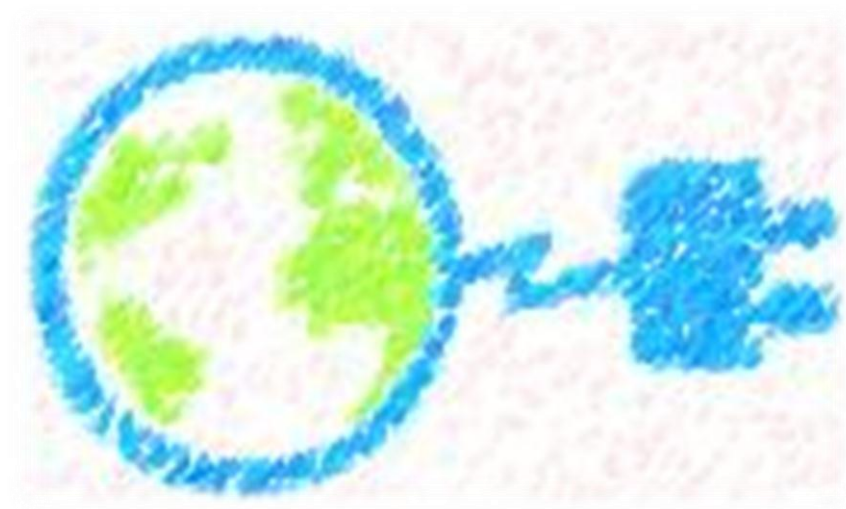
Auvergne – Chaudes Aigues/Coren (Electerre)

Geothermal leases



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Expected soon



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