european•federation•of•geologists

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Geothermal Resources in Europe

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High enthalpy

electrical power

High temperature basins

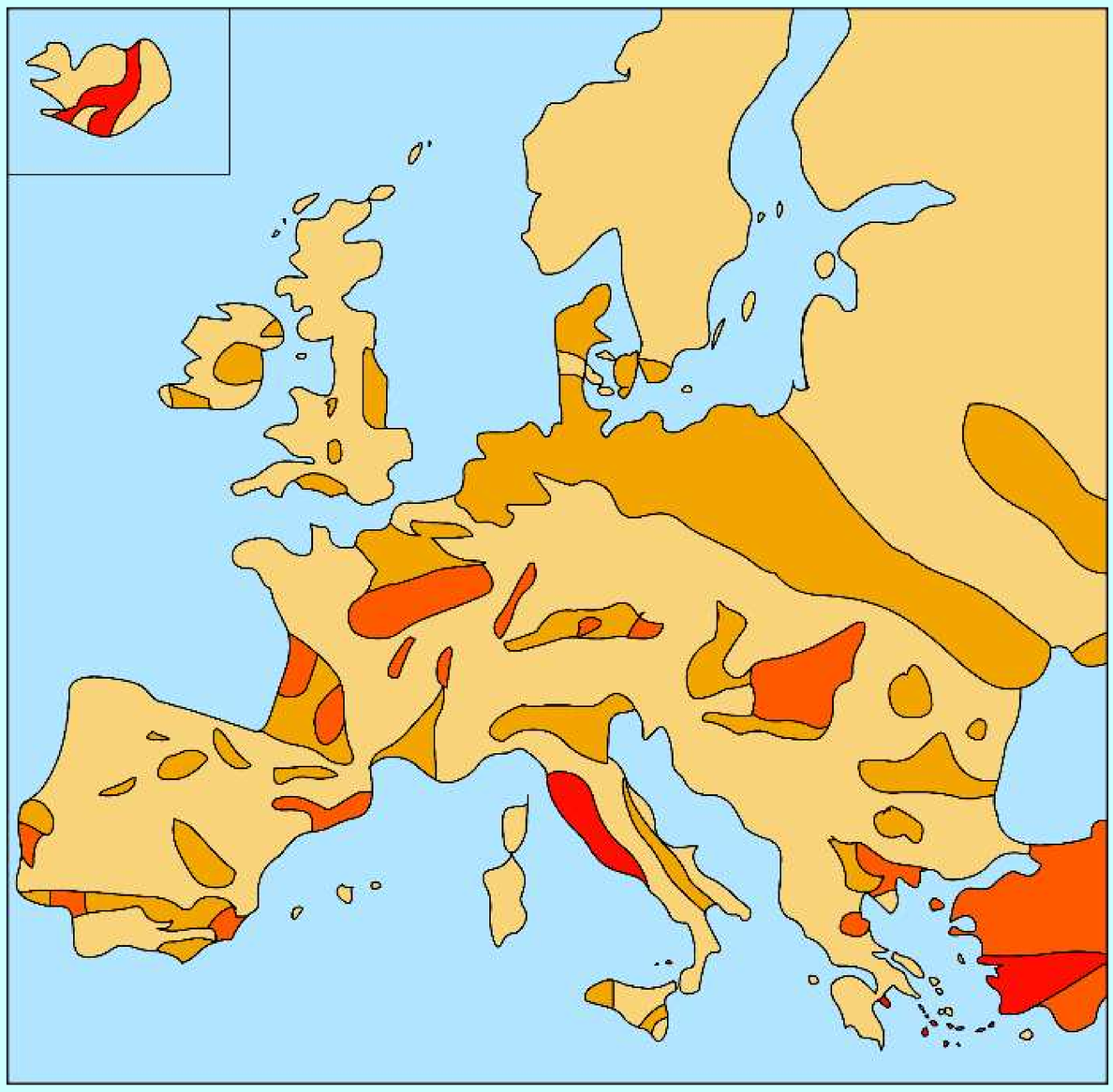
electrical power
district heating

Medium temperature basins

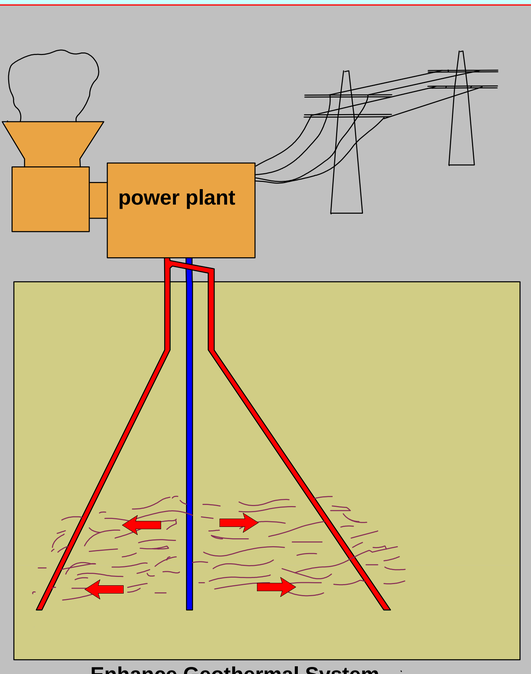
district heating

Everywhere

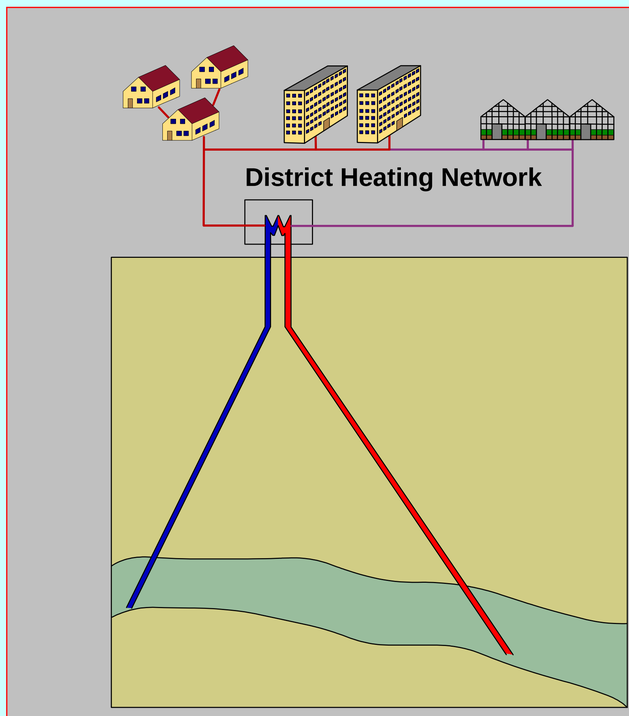
shallow geothermal



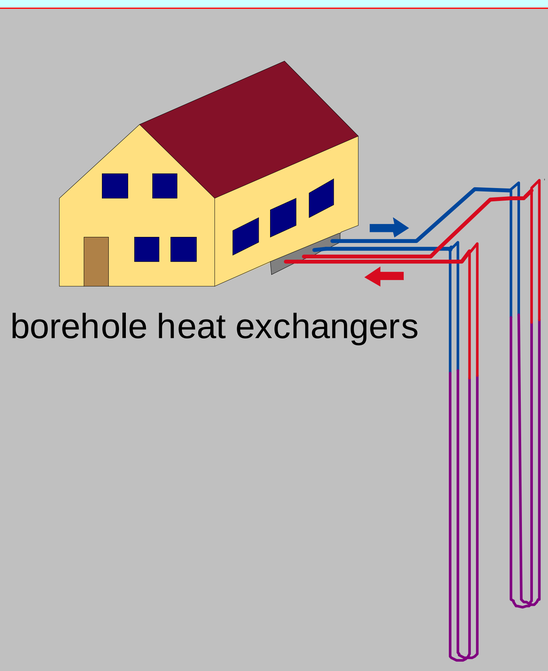
TECHNOLOGIES :



Geothermal Power
Today, geothermal power plants exist on all continents, at any place were reservoirs of steam or hot water can be found. The concept of Enhanced Geothermal Systems is going to add a tremendous increase to the potential.



Deep and Directly
The earth is full of energy ! Virtually any temperature level in the underground can be used directly, for instance with deep boreholes. Only a small fraction of the resources is used currently.



Shallow Geothermal
Every temperature level in the underground can be used for geothermal energy, even if this means only ca. 3-15 °C, as usual in the shallow underground in European climate. Cooling can be supplied as well as heating.

Geothermal energy, the energy stored in form of heat below the earth's surface.