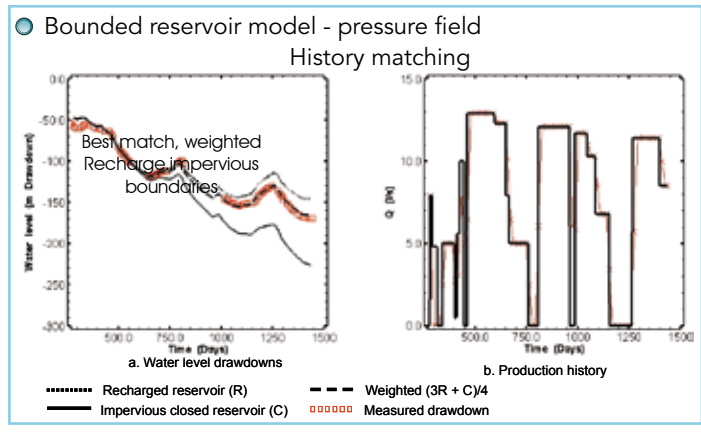
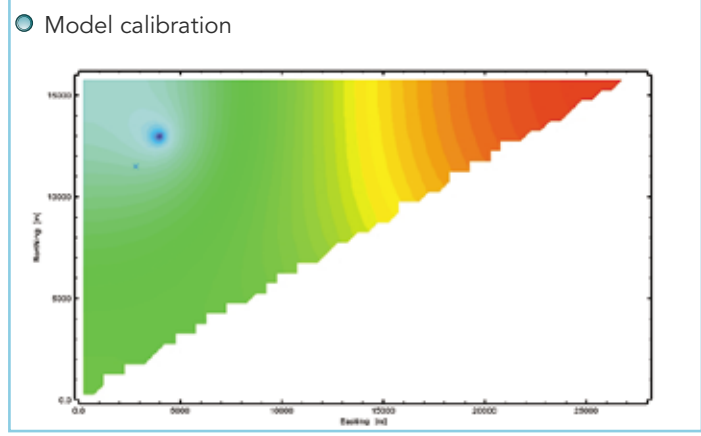
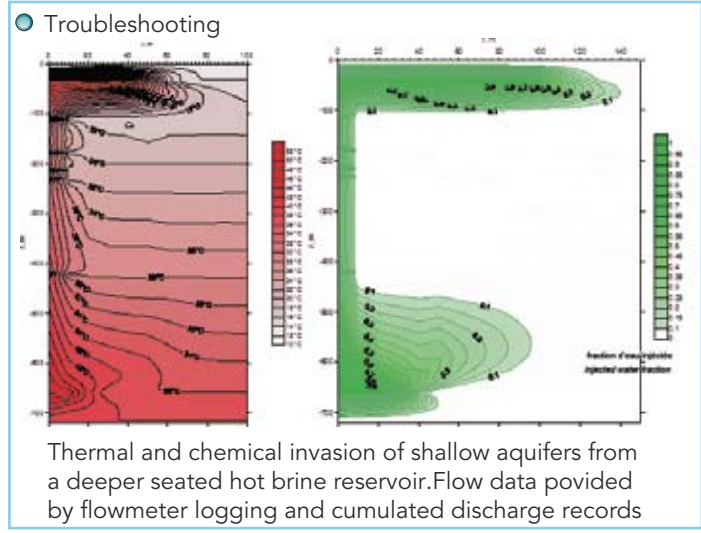
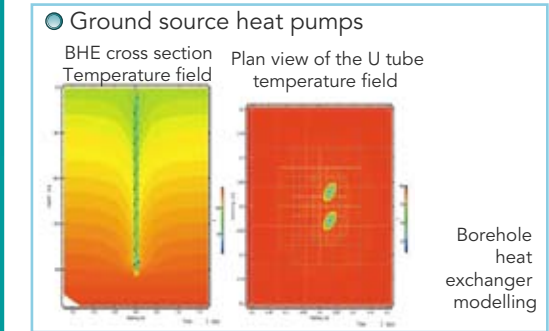
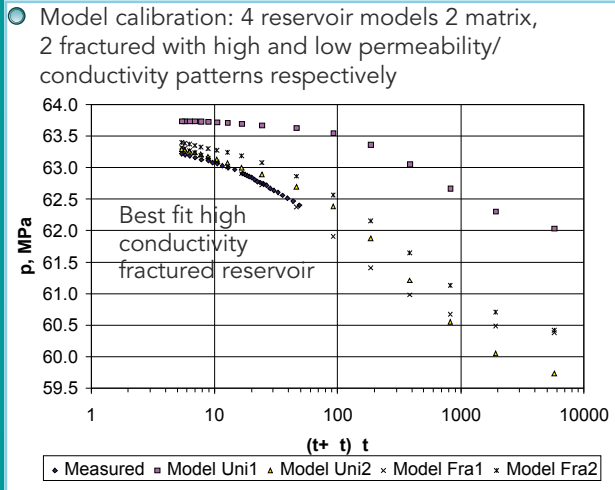
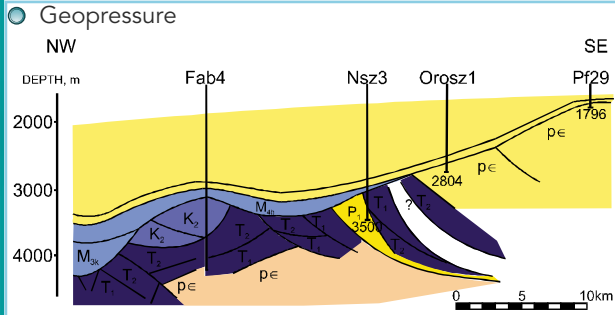




SIMULATION



● Geothermal district heating and cooling From shallow aquifer

Ground water aquifer simulation features

Ground water river connected aquifer simulation (Heat and Cold storage) size: 4x3.4 km

Cells:

- outer: 100x100m
- intermediate: 50x50m
- inner - wells: 12.5x12.5m
- island: 25x25m

Red: no aquifer river exchanges

Green: river aquifer exchanges via river flow

Grey: aquifer blocks isolated by underground parking walls acting as impervious (no flow) barriers

Assumed initial water level contour maps (1.5×10^{-4} gradient)

The river acts as constant head boundary.

White blocks disconnected from the model.

