



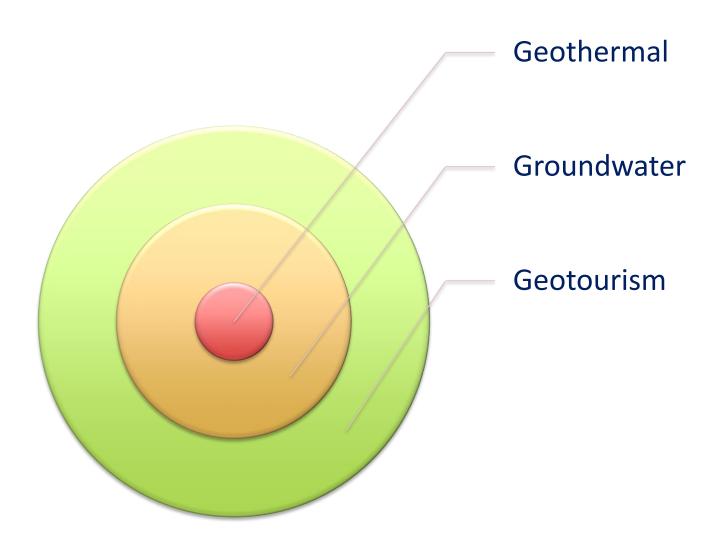


The deep and the drinkable: linking and understanding these subsurface worlds





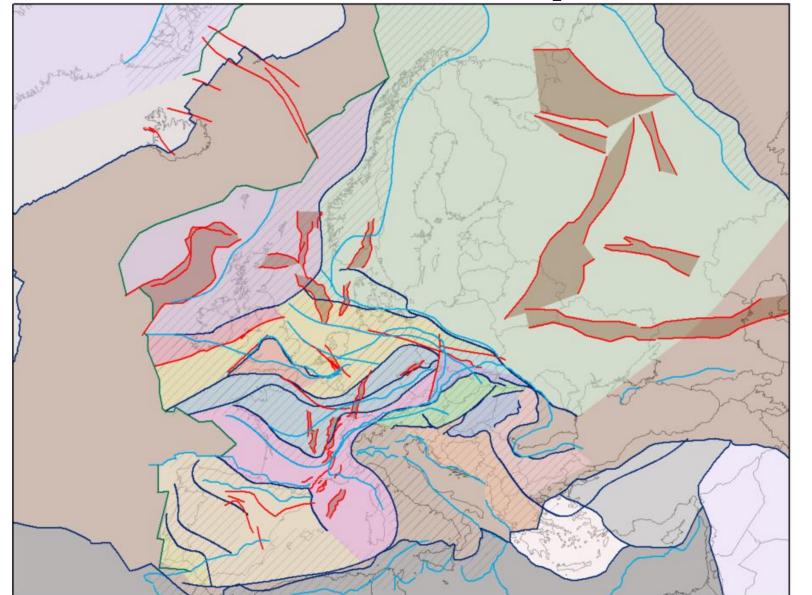
Interdisciplinary research





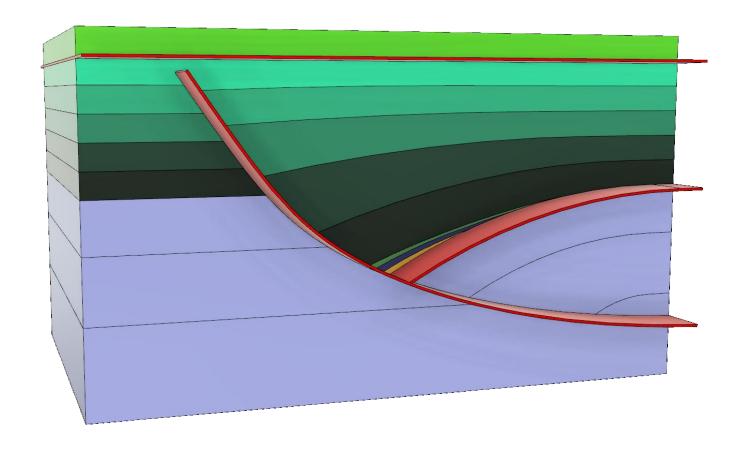


Basins in Europe



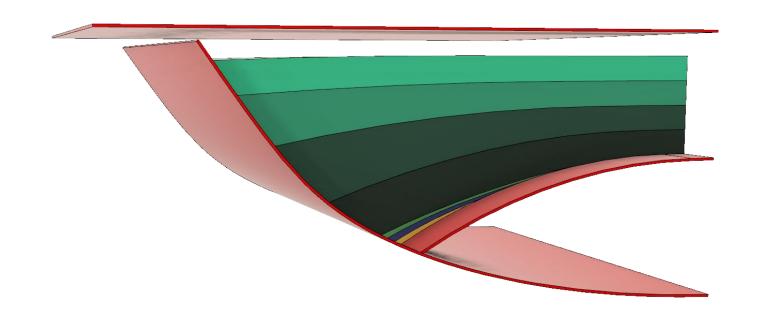


The concept of Basins



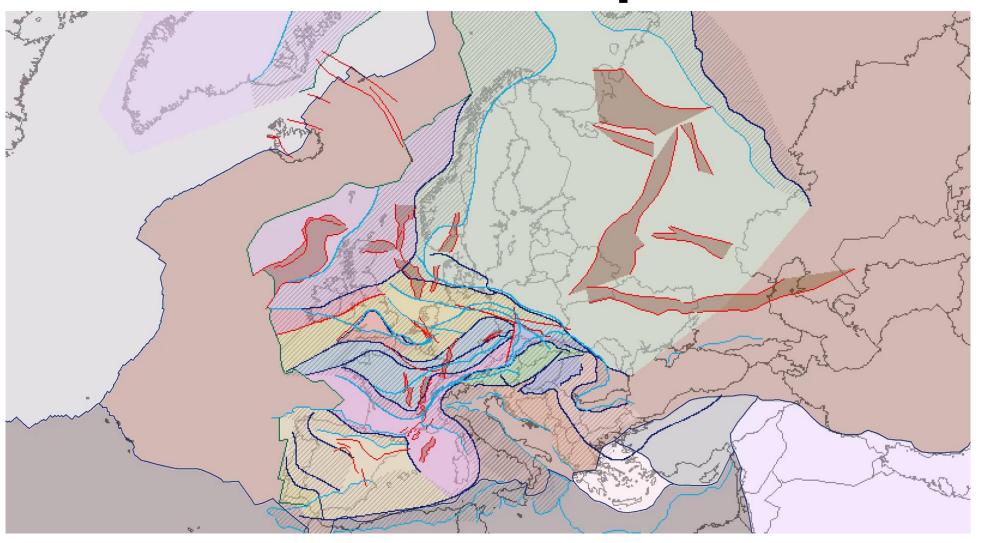


THE CONCEPT OF BASINS

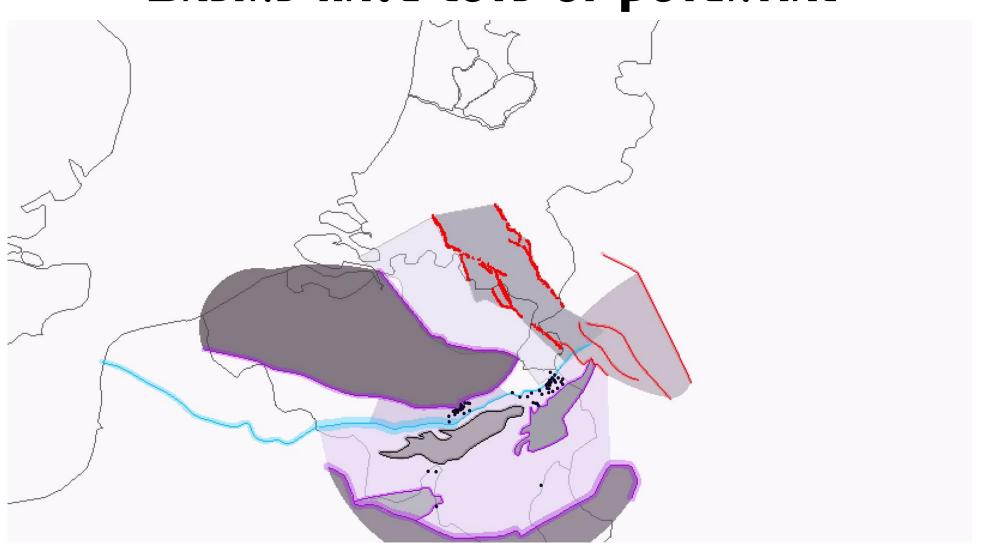




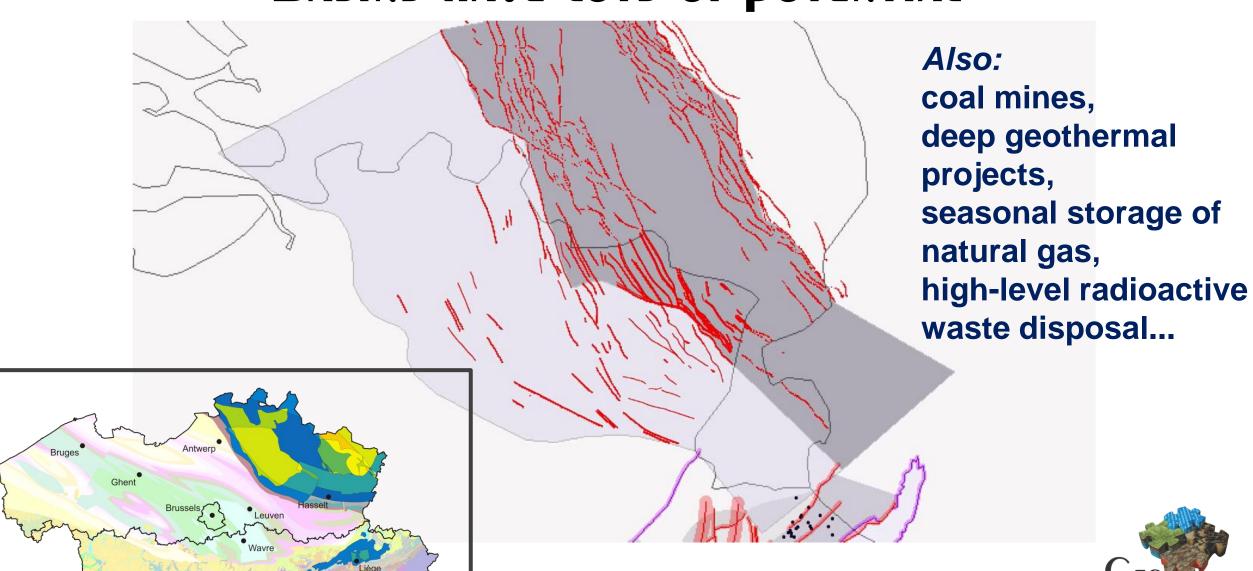
Basins have lots of potential



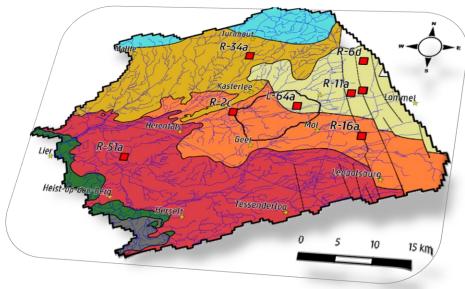
Basins have lots of potential

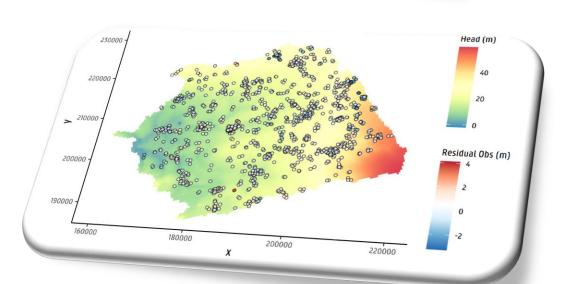


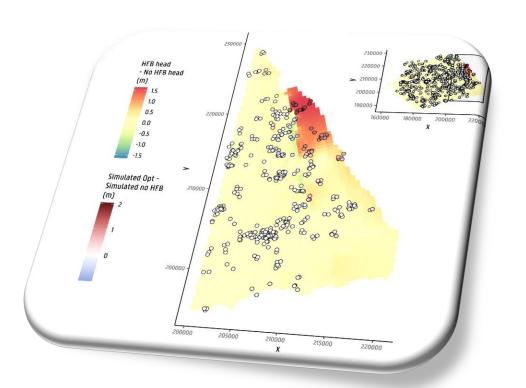
Basins have lots of potential



How much can one basin pack







geomanifestations ≈ anomalies



How much can one basin pack

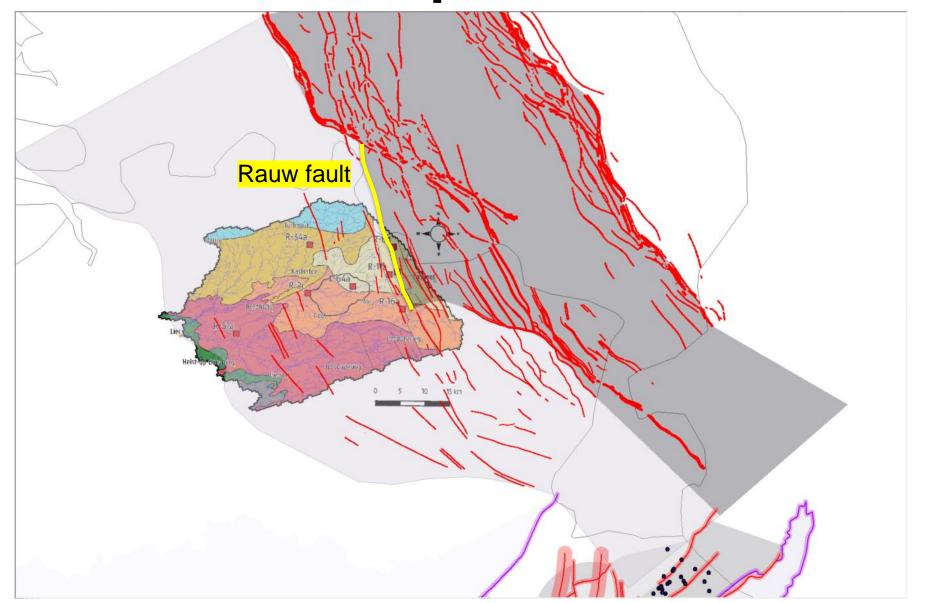
• Determine interference, connectivity...

Faults can be conduits or barriers

• Graben setting: deep seated folds

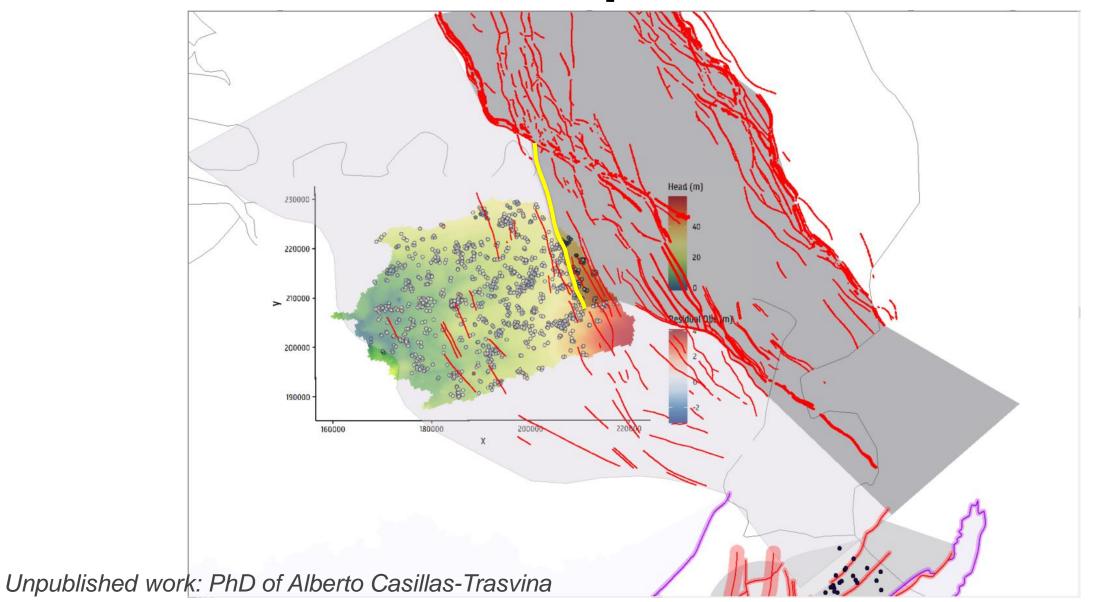


Framing VoGERA



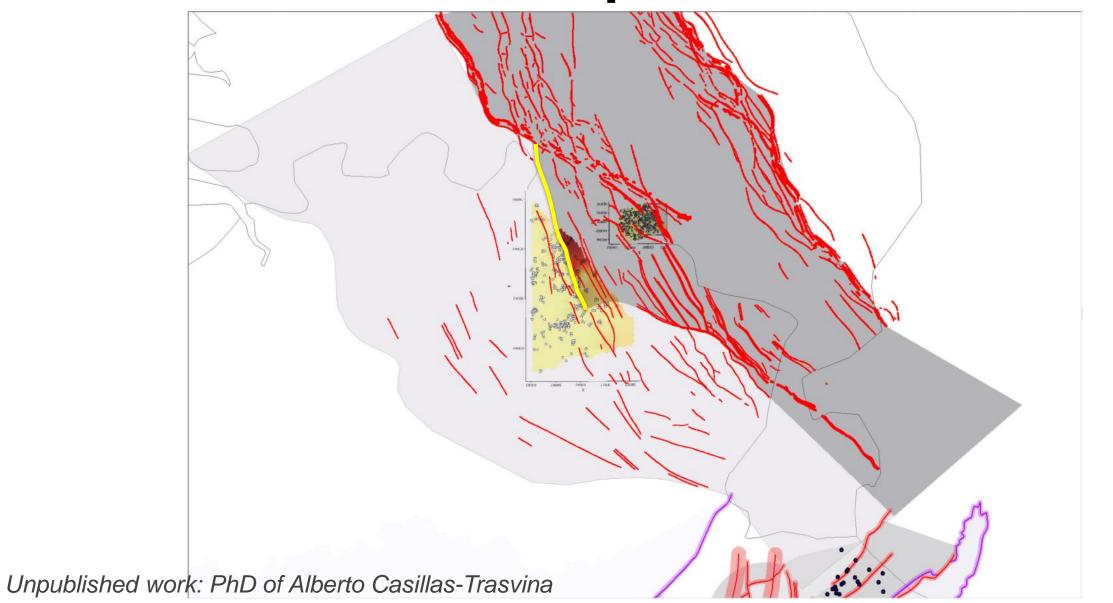


Framing VoGERA

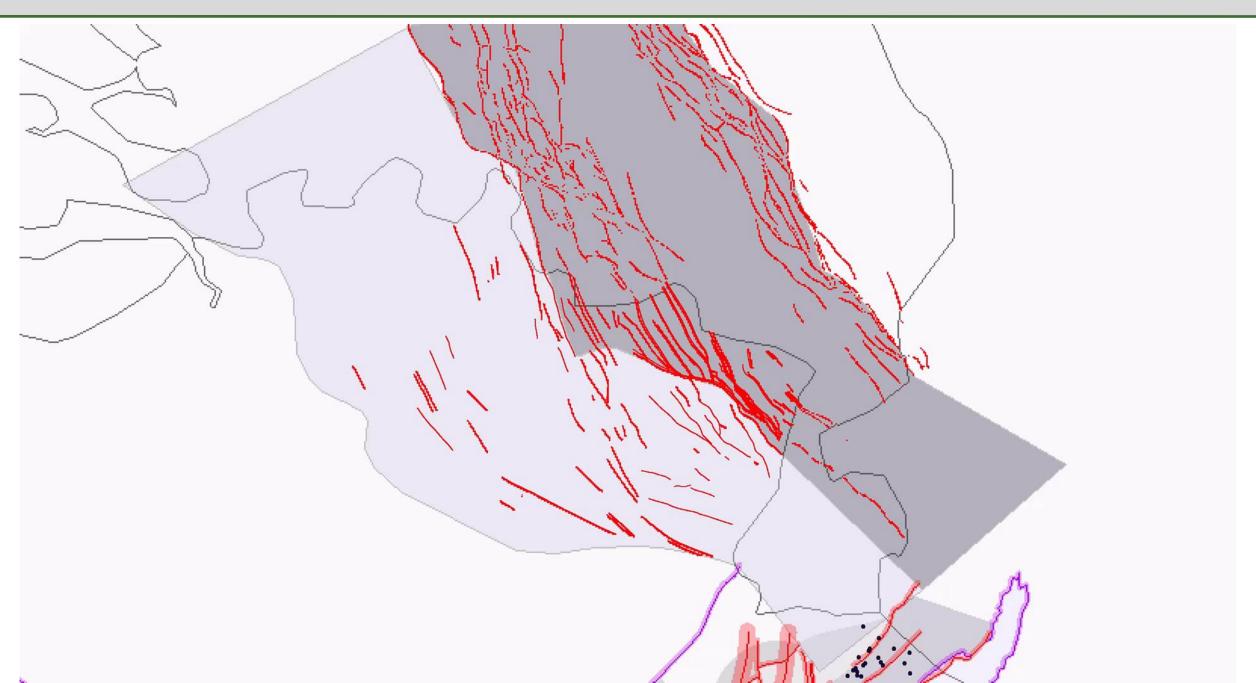




Framing VoCERA







What did we learn today

- Rauw fault is important:
 - Structurally significant
 - Hydrogeologically: compartimentalisation
 - Very similar faults behave differently:
 we can observe, but not yet predict

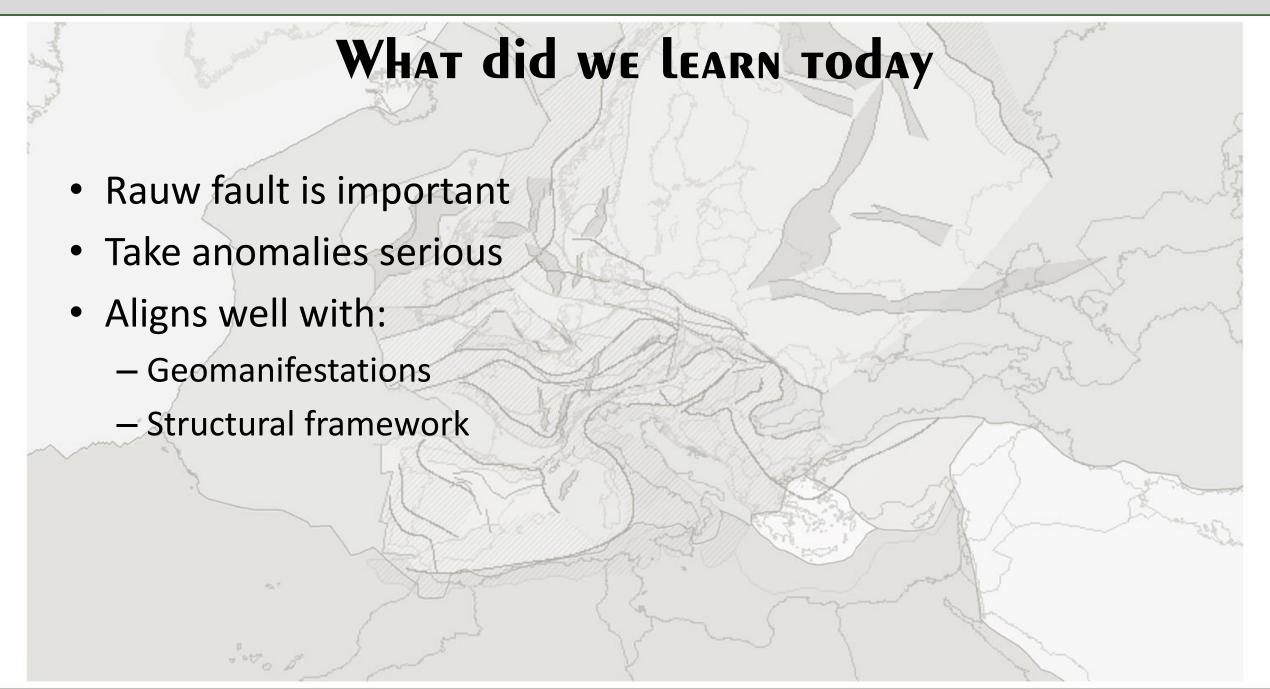
What did we learn today

- Rauw fault is important
- Take anomalies serious:
 Outliers can not be ignored,
 but should be explained

Potential heads are 'off'

Explained by horizontal barrier

Consequence are vertical flow paths



GROUNDWATER IS ESSENTIAL AND THREATENED



Nurrishes Humans Nurrishes Nature

Threatened by Climate Change Threatened by Overexploitation Threatened by Contamination

- - -

groundwater



ONE WAY? Two WAY?



the Drinkable

Nurrishes Humans Nurrishes Nature

Threatened by Climate Change Threatened by Overexploitation Threatened by Contamination

- - -

Threatened by 'Deep Activities'



ONE WAY? Two WAY?



the Drinkable



ONE WAY? Two WAY?

Geoheritage & Geotourism

Groundwater

Geothermal energy

Monday 22 June

Tuesday 23 June

Wednesday 24 June

Subsurface management

Friday 26 June

