

Brabant (Water) and geothermal energy

13 oktober 2011

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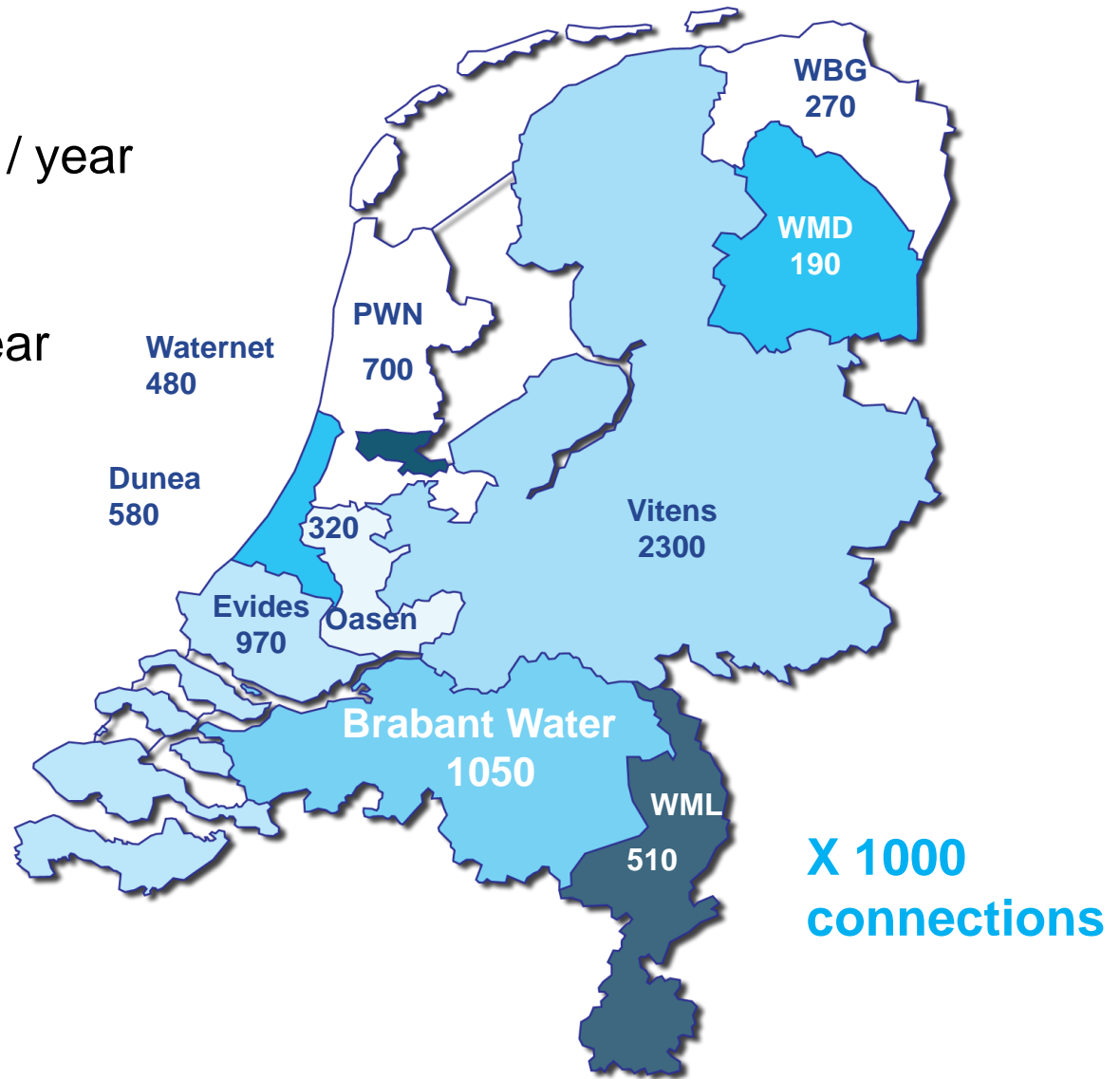
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Production 190 million m³ / year

Employees 800

Turnover € 210 million / year



brabant Water

Altijd. Overal.

brabant Water

100%

brabant Water
HydroCare

100%

 **HydroScope**

100%

 **Hydreco**
Koude- en warmteopslag

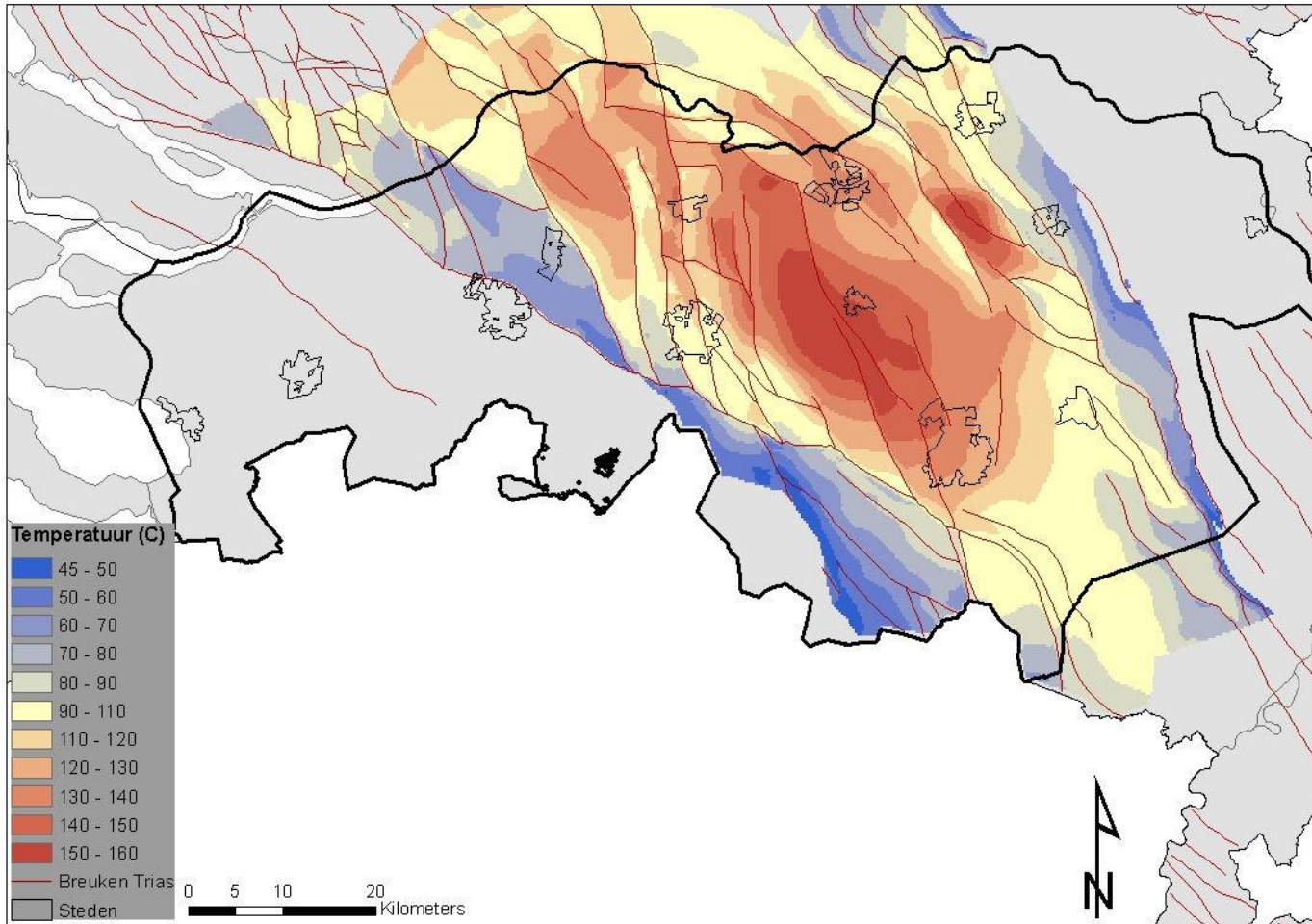
100%

 **HydroBusiness**
een onderdeel van Brabant Water

Brabant Water, Hydreco and geothermal energy

- Business development theme 'Water and Energy' >>> new business = new impuls
- Started with Heat and Cold storage (ATES) over 10 years ago
- We are familiar with the subsurface and distribution of water, operating infrastructure and long term investments
- **Brabant Water** facilitates geothermal business unit by investing in **knowledge**
- **Hydreco** develops and invests in **projects** in the Netherlands on a DBFO basis, together with partners (for example GeoMEC-Brielle)
- End of 2011 we have a dedicated geothermal team of 7FTE specialists, developers, project managers, commercial/financial experts and a programme-manager

Geothermal potential in Noord-Brabant



Goal and approach

Making geothermal energy in Noord-Brabant possible by:

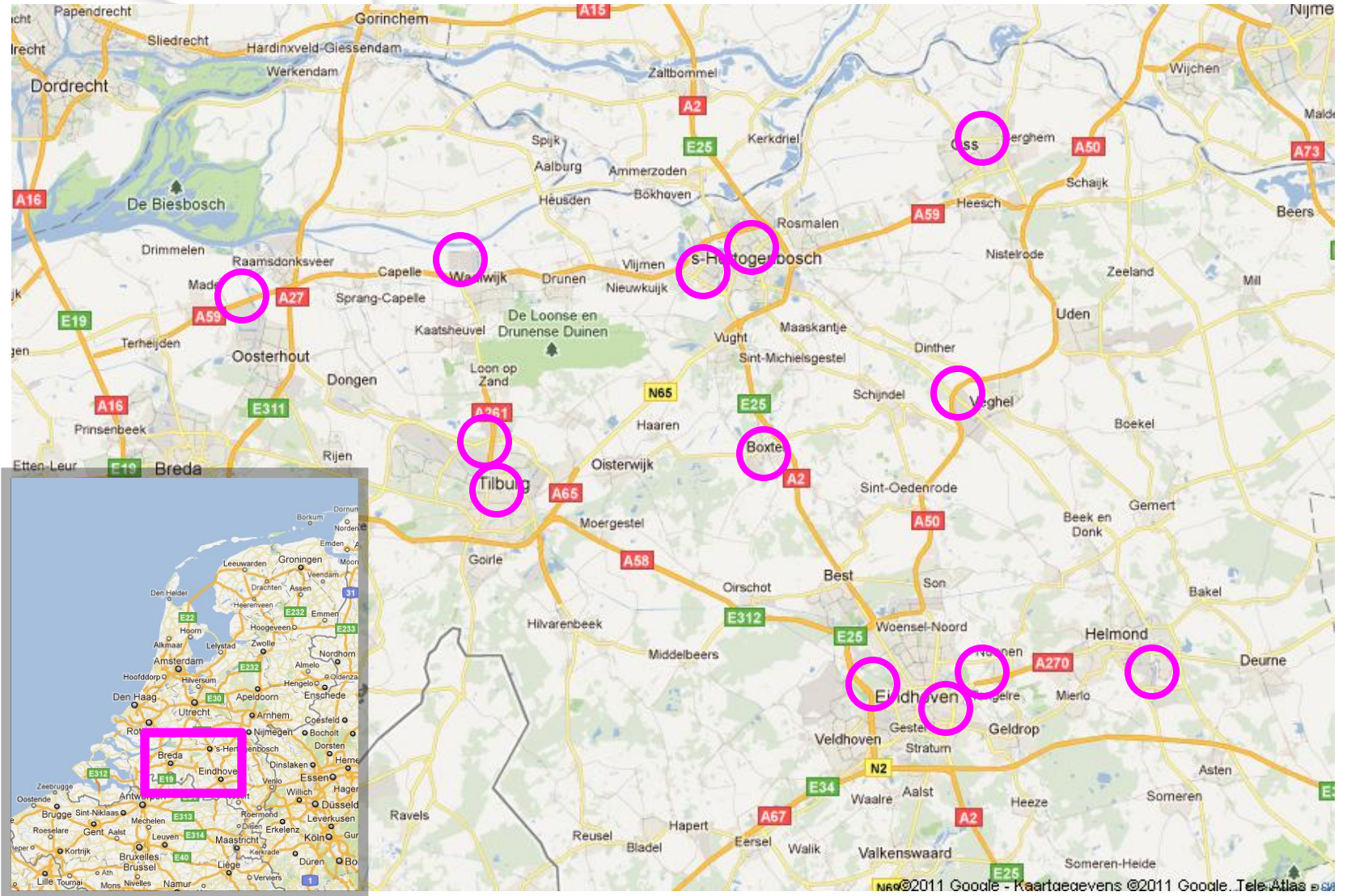
- A detailed geological survey (petrofysics, seismics, diagenesis, burial depth of the basin structure)
 - Knowledge platform
-
- Focus: Triassic at a depth of 1500-4000m
 - In most places temperature enough for heating existing houses
 - Focus on locations of participants > P90-P50 and heat demand scan
 - Business cases of 2 example projects
 - Involving insurance companies

Participants

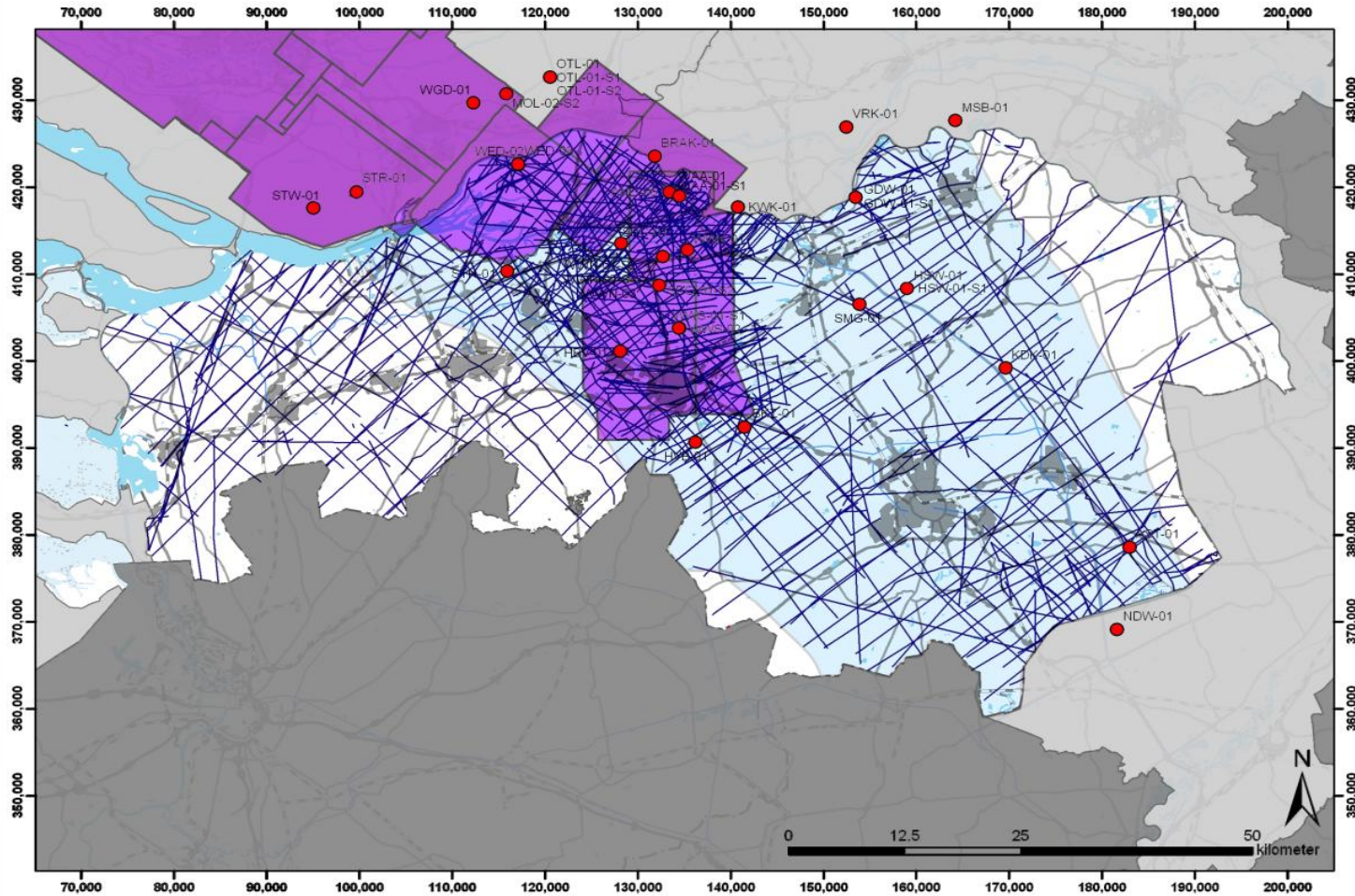
- Brabant Water (initiator and project management)
- Province of Noord-Brabant
- Municipality of Den Bosch
- Municipality of Tilburg
- Municipality of Eindhoven
- Municipality of Helmond
- SRE (Samenwerkingsverband regio Eindhoven)
- EBN
- Heineken
- DAF



IF Technology
Ecofys



Limited data > uncertainty



Planning

- Results end of this year
- Follow-up steps depending on location:
 - Business case > project
 - Focus more on for example diagenesis
 - Focus on other geological layers
- Continuing with Platform
- Unitisation?



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Altijd. Overal.



Questions, remarks ?