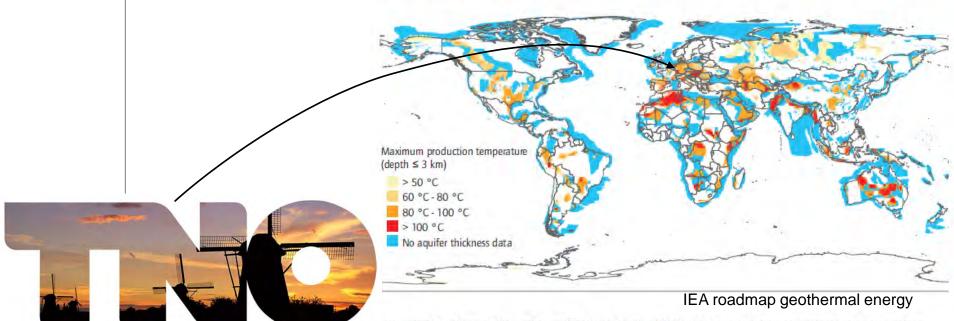






# Geothermal data repository, resource assessment and exploration: Open data, public models and transparancy in methods are key to exploration success

Figure 3: World map of deep aquifer systems



Geological survey of the netherlands Applied research geo-energy Note: World map of deep aquifer systems modified from (Penwell, 1984). Overlain are expected average production temperatures for a depth interval starting at excess temperatures of 40°C relative to surface, and ranging to a maximum depth of 3 km. The map is based on heat flow data from Artemieva (2006) and sediment thickness information from Laske and Martens (1997). Local performance strongly depends on natural heat flow conditions and surface temperature.

Source: TNO, www.thermogis.nl/worldaguifer.









- Boreholes
- Seismic surveys
- Fields
- Production
- Infrastructure
- Licences

- Publications and Data sets
- Legislation
- Administrative procedures
- Fees, taxes and state participation
- Seismicity and subsidence
- Contacts

▶ Home

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### Welcome to the NL Oil and Gas Portal

This site provides information about oil and gas exploration and production in the Netherlands and the Dutch sector of the North Sea continental shelf.

It aims to help users access information furnished by the Dutch government in an easy, comprehensible fashion.

This site was produced at the request of the Dutch Ministry of Economic Affairs, Agriculture and Innovation and is being managed by TNO, Geological Survey of the Netherlands.

#### Recent changes

Other topics
Salt production

We keep this site continually up-to-date. Click here for an overview of recent changes.

Other topics

NL one of few countries

NL one of few data access

L one of the countries of Underground gas storage With Public data access

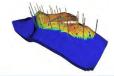
Leathernal Form to almost all E&P data

-20 years experience State of the art 3D <sub>subsurface</sub> mapping

50 bln € invested by oil&gas Open data policy Public subsurface models



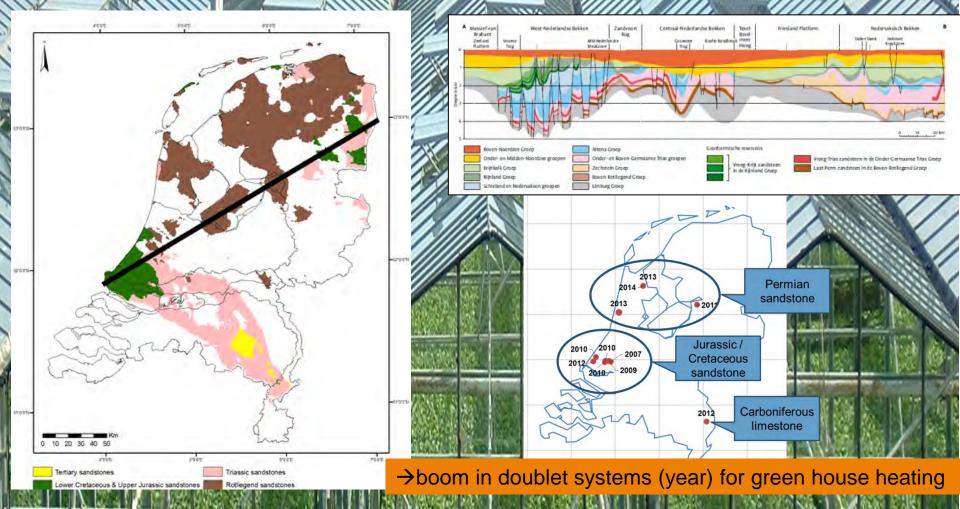






# Geothermal Energy in the Netherlands; key to market uptake is harnessing deep subsurface data and information:

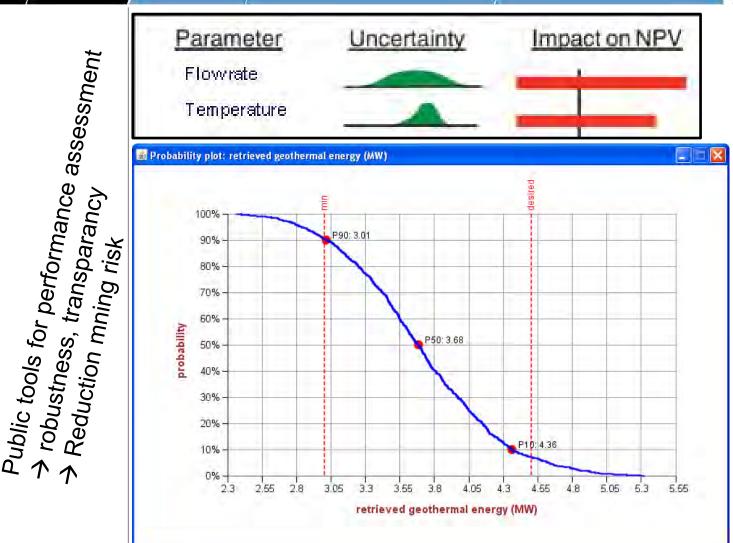












for adressing performance challenges Promotes **open innovation (PPP)** 

>90% success rate in drilling >feed-in tariff, bankability













## Geothermal Capacity Building Programme

Indonesia-Netherlands (GEOCAP

utilization of their geo-energy resources.

An international collaboration between Indonesian and Dutch entities with the goal to develop intimately linked geothermal programmes for education and training, research and subsurface databases.

This Public-Private-Partnership blends the capabilities of Universities, Knowledge Institutes and Industry Partners to reach the common goal of supporting the Government of Indonesia in their quest to increase

- PPP with strong participation of IND stakeholders
- At the interface of academic and industry challenges
- Embedding in academic curricula
- Towards Subsurface databases



www.geocap.nl





