

Improving Geothermal System Performance through collective Knowledge Building and Technology Develop

Publieke samenvatting / Public summary

Aanleiding

the geothermal sector still faces a significant number of underperforming doublets, posing a strong limitation on a region's growth of geothermal energy utilization. In order to overcome these challenges, the consolidation and sharing of knowledge, including validated strategies for prevention and mitigation needs to be in place.

Doelstelling

To improve geothermal system performance, lower operational expenses and extend the life-time of infrastructure by the concept of combining data collection, predictive modelling, innovative technology development and in-situ validation.

Korte omschrijving

PERFORM will establish a singleand shared knowledge database, build predictive models and demonstrate new and improved, cost-effective technologies which will reduce or even eliminateflow-obstructive scaling, clogging, and resistance to fluid (re-)injectionat eight geothermal plants across Europe

Resultaat

An increase of the energy output by 10 to 50%

Projectinformatie / Project information

Projectnummer / Project number
TEHE117042

Subsidiebedrag / Grant amount
€ 691.789,00

Algemene informatie / General information

Penvoerder / Secretariat
Nederlandse Organisatie voor toegepast-natuurwetenschappelijk onderzoek TNO

Publicaties en materialen / Publications and attachments

- 27.10.2023

Samenvatting TEHE117042

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