



Demonstration of Soft Stimulation Treatments of Geothermal Reservoirs

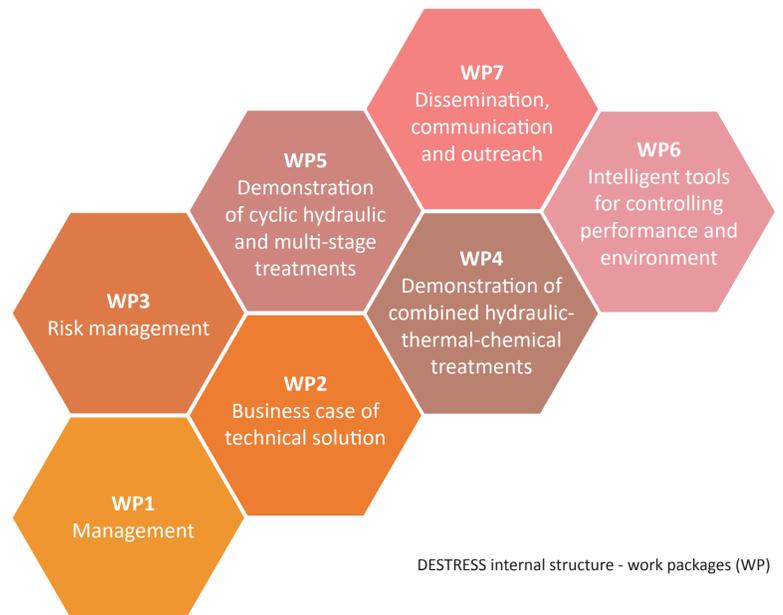
ABOUT

DESTRESS demonstrates methods of enhanced geothermal systems (EGS). EGS allow the enormous untapped potential of geothermal energy to be put to widespread use.

The overall objective of DESTRESS is to develop good practices for creating reservoirs with increased transmissivity, sustainable productivity and a minimised level of induced seismicity.



Overall objectives of DESTRESS



DESTRESS internal structure - work packages (WP)

Soft stimulation is a collective term for geothermal reservoir stimulation techniques. It aims to achieve enhanced reservoir performance while minimizing environmental impacts including induced seismicity. Soft stimulation includes techniques such as cyclic / fatigue, multi-stage, chemical and thermal stimulation.

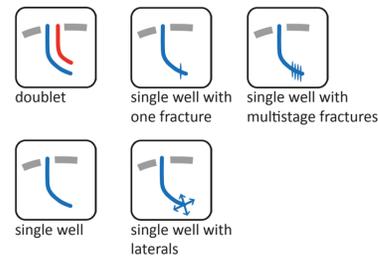
How do we define Soft Stimulation?

STIMULATION TREATMENTS

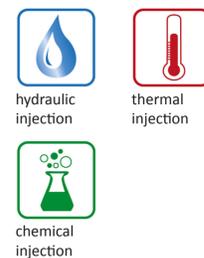
To demonstrate the DESTRESS concept, six sites with different geological settings and access to a reservoir by means of geothermal wells have been chosen. The demonstration sites are using soft stimulation treatments to minimise environmental hazards.

Forseen Stimulation Techniques

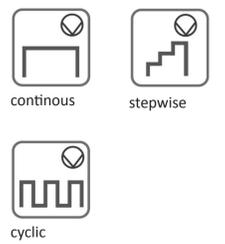
Borehole configuration



Treatments



Pumping



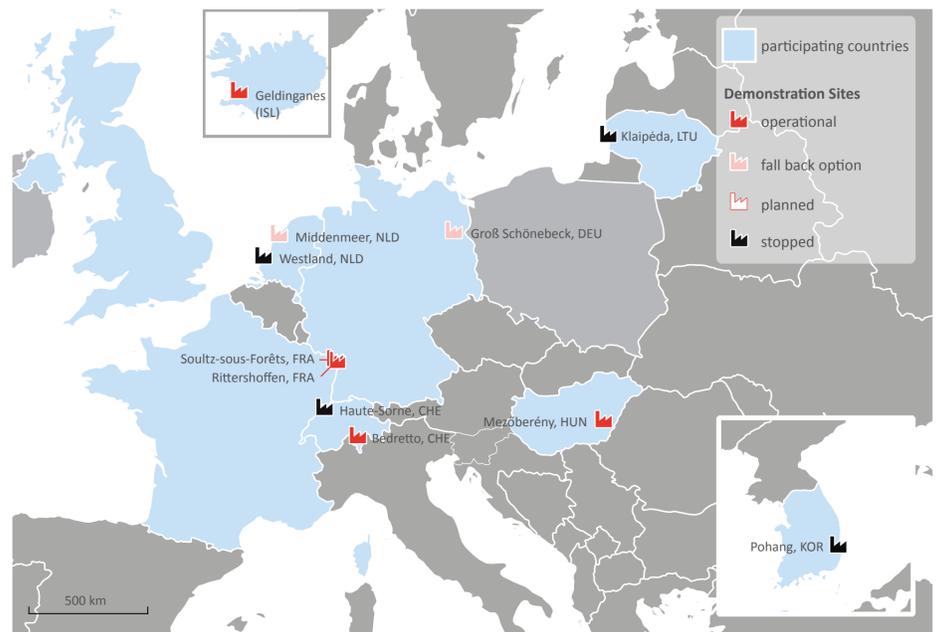
PARTNERS

DESTRESS is a Horizon 2020 supported programme. It brings together an international consortium comprising major academic and research institutions and key industrial players from Europe and South Korea.

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