



ETIP-DG

European Technology & Innovation
Platform on **Deep Geothermal**

ANNUAL CONFERENCE 2018

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MEET: H2020 PROJECT

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MAIN PROJECT OBJECTIVES

- **MEET:** Multidisciplinary and multi-context demonstration of EGS exploration and Exploitation Techniques and potentials
- **Call:** EGS in different geological conditions
- **Innovation Action, 01/05/2018 for 42 months, 16 partners, Eu grant 9.9 m€**
- **To boost the market penetration of geothermal power in Europe by demonstrating the viability of EGS with electric and thermal power generation in all main kinds of geological settings**
 - Conversion of oil wells into geothermal wells (reduced CAPEX, removed need for permit to explore and drill and reduced project set-up time)
 - Enhanced heat-to-power conversion at low temperature (60-90°C) by using smart mobile Organic Rankine Cycle (ORC) units
 - Mapping of the most promising sites in the most promising geological settings where EGS capacities could be installed in a near future.

MEET CONSORTIUM: 16 PARTNERS



VERMILION
ENERGY



ayming

business
performance
consulting

GeoThermal
ENGINEERING



PROJECT CONCEPT AND VALUE CHAIN

Reservoir productivity optimization

Conversion technology development and integration

Demonstration of up-scaled power/heat production

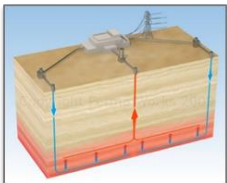
Technical-economic-environmental assessment

Reuse of infrastructures to reduce CAPEX

Abandoned oil well

Existing EGS plant

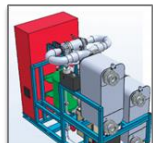
G
M



S

Low T reinjection

G
M



Conversion into geothermal well

S

Low T power generation

V
M

Geological setting:

G : granite

V : volcanic

S : sediment

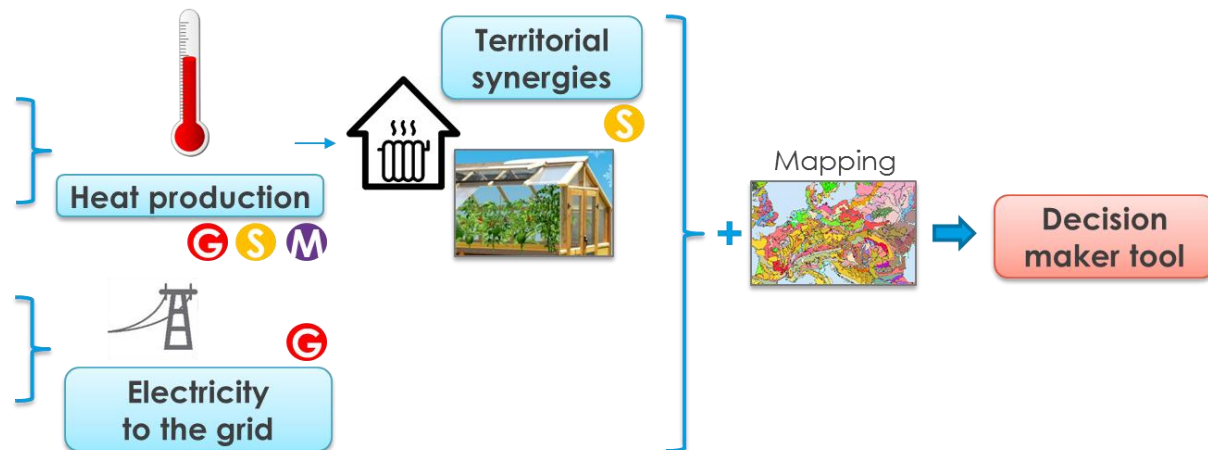
M : metamorphic

Orange box : production site setup

Light green box : technology development and integration

Light blue box : demonstration

Red box : recommendation





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THANKS FOR YOUR ATTENTION

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