

› **PERFORM WORKSHOP**
HELPING TO AVOID OR MITIGATE OPERATIONAL PROBLEMS
OF GEOTHERMAL PLANTS | IR. V. VAN PUL-VERBOOM

› WELCOME & AGENDA

PERFORM



- › 10.00-10.10h: Welcome & introduction (Viola van Pul, TNO)
- › 10.10-10.25h: PERFORM database and learning from data (Lars Kristensen, GEUS)
- › 10.25-10.45h: State-of-the-art models to simulate scaling in geothermal plants (Laura Wasch, TNO)
- › 10.45-11.05h: Testing and validation of scaling & corrosion prevention technologies (Simona Regenspurg, GFZ)
- › 11.05-11.20h: Break
- › 11.20-11.40h: Best practice for geothermal plants to minimize scaling and corrosion (Troels Mathiesen, Force Technology)
- › 11.40-11.55h: Economic impact of mitigation technologies (Dorien Dinkelman, TNO)
- › 11.55-12.30h: Lunch break
- › 12.30-12.50: Interactive toolbox (Jonah Poort, TNO)
- › 12.50-13.00: Website demonstration (Lars Kristensen, GEUS)
- › 13.00-13.30: Interactive session (Pejman Shoeibi Omrani, TNO)
- › 13.30-13.45: Wrap up (Viola van Pul, TNO)

› GEOTHERMICA PROJECT PERFORM ABOUT THE PROJECT

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GOAL OF THE PROJECT

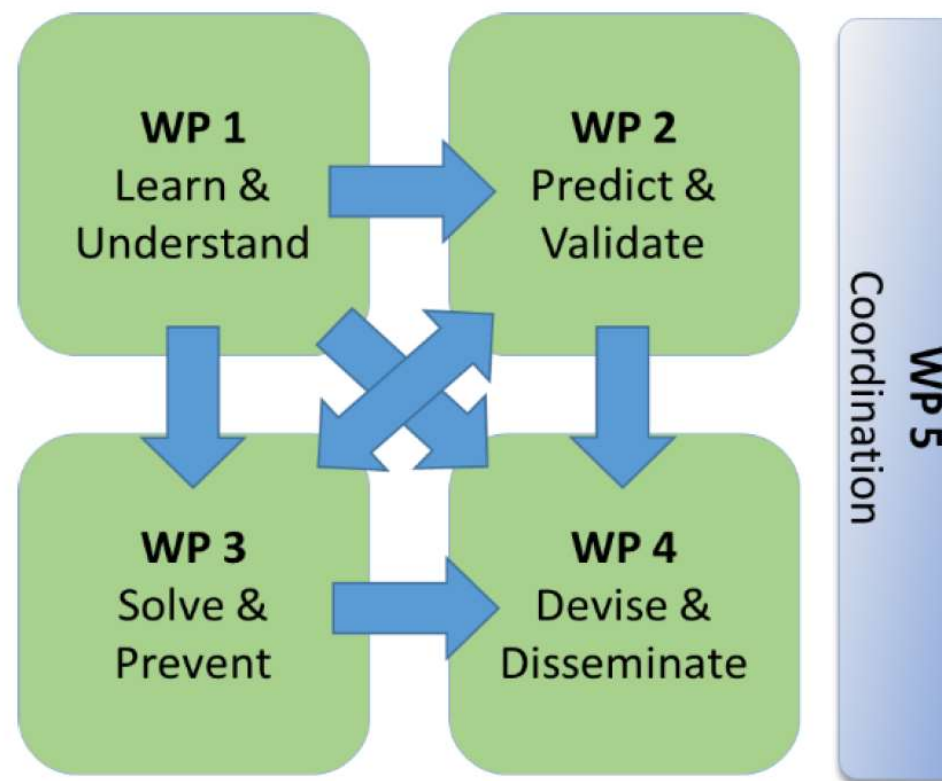
PERFORM will establish a single and shared knowledge database, build predictive models and demonstrate new and improved, cost-effective technologies which will reduce or even eliminate flow-obstructive scaling, clogging, and resistance to fluid (re)-injection at geothermal plants

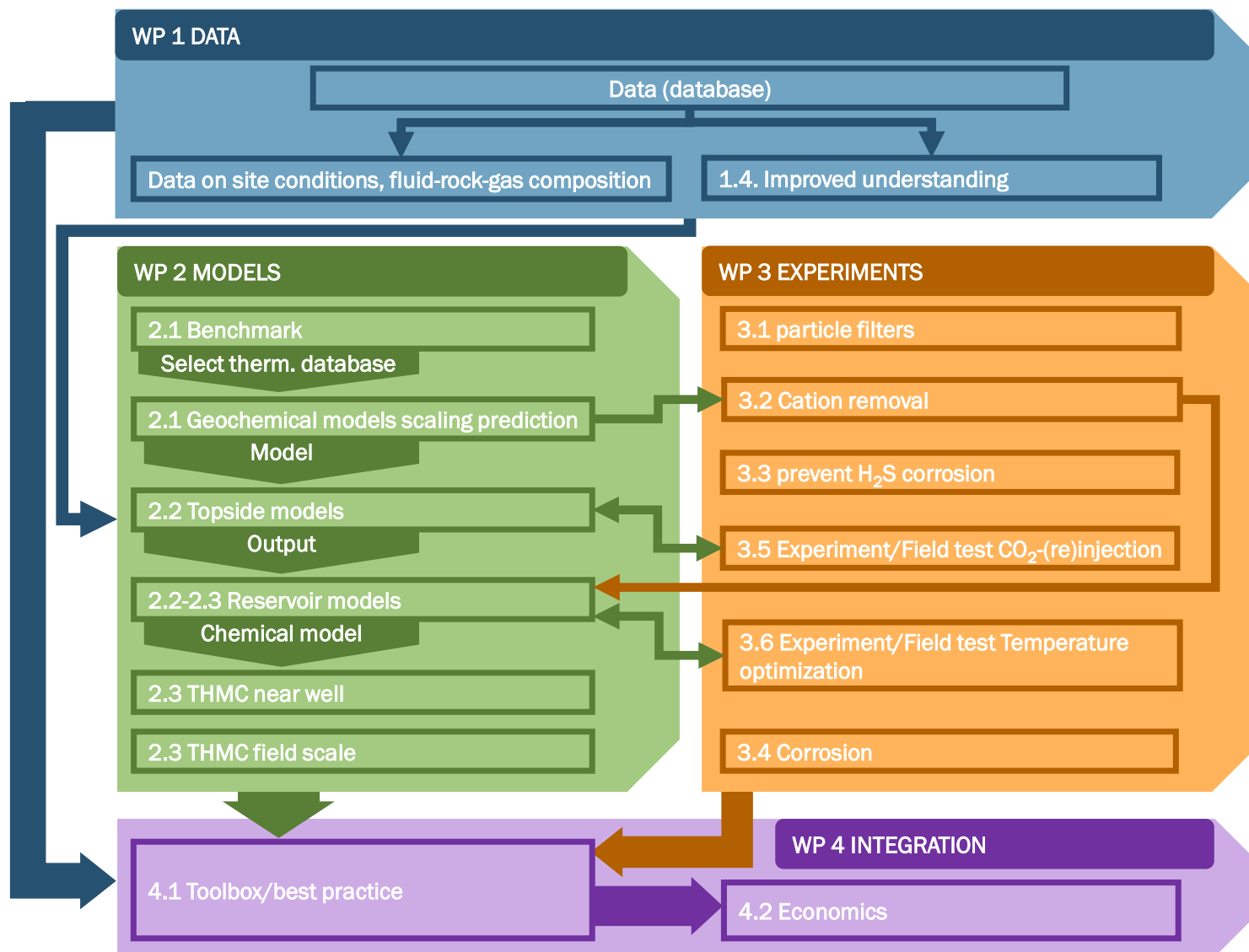
- › 8 partners, 3 countries,
- › Budget: approx. 3 Meuro
- › Run time: 3.5 years
- › This project has been subsidized through the ERANET Cofund GEOTHERMICA (Project no. 731117), from the European Commission, RVO, FZJ-PtJ and EUDP.



PERFORM PROJECT STRUCTURE

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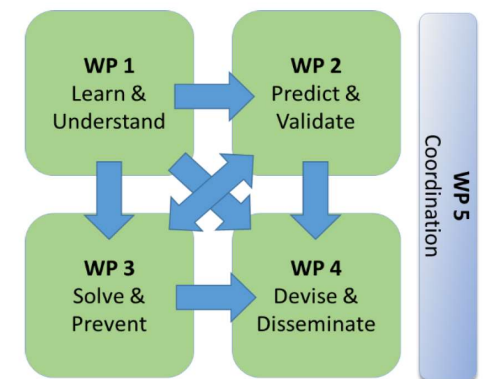
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› WORKSHOP

- › WP 1. PERFORM database and learning from data
- › WP 2. State-of-the-art models to simulate scaling in geothermal plants
- › WP 3. Testing and validation of scaling & corrosion prevention technologies
- › WP 4.1. Best practice for geothermal plants to minimize scaling and corrosion
- › WP 4.2. Economic impact of mitigation technologies
- › Interactive toolbox
- › Website demonstration

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› WRAP UP

- › Thank you!
- › Remarks or questions?
 - › Contact us via viola.vanpul@tno.nl
 - › Or via the website: www.geothermperform.eu

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› **THANK YOU FOR
YOUR TIME**

TNO innovation
for life