

Speicher CITY



Workshop „Aquifer Storage for Germany“

Wednesday, February 19th 2025, 14:00-17:30

Organised by the research project *SpeicherCity*

Place: Oberrheinhalle K4, Messe Offenburg

Max. 50 participants

Registration open until February 5th!

Language: English

Block 1: Potential and Perspectives

- 14:00-14:05 Prof. Dr. Philipp Blum / KIT / *Greeting*
- 14:05-14:25 Dr. Paul Fleuchaus / Tewag / *ATES in Germany*
- 14:25-14:35 Maximilian Noethen / MLU / *Identifying ATES key locations for hospitals*
- 14:35-14:45 Matthias Herrmann / KIT / *ATES investment costs*
- 14:45-15:05 Bas Godschalk / DTESS / *35 years Dutch experience on ATES*
- 15:05-15:35 Prof. Dr. Philipp Blum / KIT / *Discussion*

15:35-16:00 Coffee break

Block 2: Projects in Research

- 16:00-16:10 Elena Petrova / GFZ / *Optimisation of design and operational parameters at the example of ATES Adlershof based on Reduced Order Models (ROM)*
- 16:10-16:20 Kalliopi Tzoufka / TUM / *Performance of high-temperature heat storage in the Molasse Basin and integration into a geothermal-powered district heating system*
- 16:20-16:30 Jan Niklas Nordheim / CAU / *Flexibility options of an ATES regarding uncertain and dynamic energy demand*
- 16:30-16:40 Maximilian Dörnbrack / UFZ / *Numeric models for an ATES pilot project with combined groundwater remediation in the Leipzig science park*
- 16:40-17:00 Dr. Edith Haslinger / AIT Austria / *Hydrogeochemical process modelling and laboratory experiments for high-temperature ATES*
- 17:00-17:30 Prof. Dr. Philipp Blum / KIT / *Discussion*