



SS 2022

LV

AQUIFER THERMAL ENERGY STORAGE IN URBAN AREAS

Abstract

On our way to greenhouse gas neutrality, innovative and sustainable systems for energy generation, storage, and distribution are needed. The geological subsurface can serve as both, as primary renewable energy source (geothermal) and as storage for heat. However, usually high costs in drilling put off many investors from exploiting the deep underground. Therefore, demonstration sites are required, where simultaneously several innovative technologies can be tested to a level of industrial application.

The results of current projects to characterize the sub-surface with regard to geothermal use and further ideas and projects for using the evaluated aquifer up to a geothermal demonstrator are presented.



First lecture:

2nd of May 2022

Time schedule

each Monday

12 – 14

Location

TU Berlin

Room BH-N 334

Map



Lecturers

Guido Blöcher

Harald Milsch

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