



SGA 2023



Visit us in Zurich in 2023 • 28th August – 1st September 2023

Pre-conference excursion FT5

Lithium extraction in the Upper Rhine graben

Start:	25.08. 09:00, Karlsruhe central train station (Hauptbahnhof), Germany
End:	25.08. 17:00, Karlsruhe central train station, Germany
Duration:	1 day in the field
Price:	25 CHF/person
Participants:	max. 21
Leader:	Jochen Kolb (KIT, Germany)

The field trip leads to the EnBW geothermal power plant in Bruchsal, Germany, where a pilot plant for lithium extraction from geothermal water is installed. We will start in Karlsruhe in the morning and will return to Karlsruhe main station in the late afternoon so that you have the possibility to fly to Frankfurt and go to Zürich by train with a stop in Karlsruhe.

In the morning, we will drive with minibuses to Bruchsal. There, we will get a guided tour through the geothermal power plant and the pilot plant for lithium extraction. Depending on the weather forecast, we will either get an introduction on the geology, the geothermal water chemistry and the extraction technology on site or in laboratories at KIT. We will cover the geology of the Upper Rhine valley and the geothermal waters and can discuss the source of lithium enrichment in the brines. We will also see, how mineralogy may solve problems of selective metal extraction. Please bring your own lunch.