



**BUNDESGESELLSCHAFT  
FÜR ENDLAGERUNG**



# URS 2023

**KLAUSURTAGUNG**

**APRIL 17 – 19, 2023**

**Annweiler am Trifels**

**PROGRAM BOOKLET**



# UNCERTAINTIES AND ROBUSTNESS WITH REGARD TO THE SAFETY OF A REPOSITORY FOR HIGH-LEVEL RADIOACTIVE WASTE



**April 17<sup>th</sup> - Monday**

TIME	TOPIC	PRESENTER
14:00	<i>Check-in and welcome drink</i>	
15:00	<b>Opening of the meeting</b> Welcome, introduction, meeting objectives and schedule	<i>Wolfram Rühhaak (BGE)</i>
15:30	<b>BGE</b> Uncertainty assessment in the representative preliminary safety analysis in the German site selection procedure	<i>Phillip Kreye (BGE)</i>
16:00	<i>Coffee break</i>	
16:15	<b>REDUKLIM</b> Reduction of scenario uncertainties through climate models	<i>Judith Flügge (GRS)</i>
16:45	<b>REDUKLIM</b> Modelling of long-term future climate change with application to the problem of permanent nuclear waste storage in Germany	<i>Christine Kaufhold (PIK)</i>
18:00	<i>Dinner</i>	
19:30	Evening program	

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**April 18<sup>th</sup> - Tuesday**

TIME	TOPIC	PRESENTER
08:00	<i>Breakfast</i>	
09:00	<b>RADON</b> Numerical simulation of thermohaline flow and salt transport	<i>Thomas Graf (LU Hannover)</i>
09:30	<b>RADON</b> Estimation of risks of pollutant dispersion with Enhanced Bayesian Networks	<i>Matteo Broggi (LU Hannover)</i>
10:15	<i>Coffee break</i>	
10:30	<b>MeQUR</b> Uncertainty in THM coupled analyses of barrier integrity	<i>Thomas Nagel (TUBAF) Sibylle Mayr (BGR) Jan Thiedau (BGR) Jörg Buchwald (UFZ) Oliver Ernst (TU Chemnitz)</i>
12:30	<i>Lunch break</i>	
13:30	<b>Smart Monitoring</b> Improvement of the predictive quality of repository-relevant simulations through optimal data acquisition and smart monitoring Part A: Project overview and modelling	<i>Julia Kowalski (RWTH Aachen)</i>
13:50	<b>Smart Monitoring</b> Part B: Surrogate models	<i>Wolfgang Nowak (Uni Stuttgart)</i>
14:10	<b>Smart Monitoring</b> Part C: Data acquisition and geophysical inversion	<i>Marc Boxberg (RWTH Aachen)</i>
15:00	Excursion	
19:00	<i>Dinner</i>	
20:00	Evening Program	



**April 19<sup>th</sup> - Wednesday**

TIME	TOPIC	PRESENTER
08:00	<i>Breakfast</i>	
09:00	<b>GeoBlocks</b> Building blocks for quantifying uncertainties in geological models Part A: Project overview and computational implementation	<i>Florian Wellmann (RWTH Aachen)</i>
09:30	<b>GeoBlocks</b> Part B: Geological concepts and first steps	<i>Peter Achtziger (RWTH Aachen)</i>
10:30	<i>Coffee break</i>	
11:15	<b>ENSURE</b> Repository safety: Uncertainties and regulatory aspects with focus in human factor issues	<i>Oliver Sträter (Uni Kassel)</i>
12:00	<i>Lunch break</i>	
13:00	Summary and outlook	<i>Wolfram Rühak (BGE)</i>
14:30	<i>End of the retreat</i>	

## VENUE

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