

T8 days

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome and Introduction

Wednesday 10 April 2024 09:30 (15 minutes)

Presenters: GLEESON, Sarah (GFZ); KUSEBAUCH, Christof (GFZ)

T8 days

/ Report of Contributions

wrap up

Contribution ID: 2

Type: **not specified**

wrap up

Thursday 11 April 2024 15:00 (20 minutes)

Contribution ID: 3

Type: **not specified**

The 2017 Mw 5.5 Pohang earthquake could have been mitigated by implementing an adjusted shut-in strategy

Wednesday 10 April 2024 10:50 (15 minutes)

Presenter: JI, Yinlin (GFZ)

Session Classification: (urban) Geothermal

Contribution ID: 4

Type: **not specified**

From LAB to APPLication: ATES Reallabor Geospeicher Berlin

Wednesday 10 April 2024 10:20 (15 minutes)

Presenter: KRANZ, Stefan (GFZ)

Session Classification: (urban) Geothermal

Contribution ID: 5

Type: **not specified**

Variability of seismicity rates and maximum magnitude for adjacent hydraulic stimulations at St1 Helsinking

Wednesday 10 April 2024 11:05 (15 minutes)

Presenter: KWIATEK, Grzegorz (GFZ)

Session Classification: (urban) Geothermal

Contribution ID: 6

Type: **not specified**

Aktueller Stand GeoLaB

Wednesday 10 April 2024 10:05 (15 minutes)

Presenter: SASS, Ingo (GFZ)

Session Classification: (urban) Geothermal

Contribution ID: 7

Type: **not specified**

Thermo-hydro-mechanical modeling for performance assessment of radioactive waste repositories

Wednesday 10 April 2024 12:50 (15 minutes)

Presenter: BUCHWALD, Jörg (UFZ)

Session Classification: Geological storage

Contribution ID: 8

Type: **not specified**

2D simulations of Uranium diffusion in clay: geochemical surrogate models and accelerated coupled reactive transport simulations with POET

Wednesday 10 April 2024 12:05 (15 minutes)

Presenter: DE LUCIA, Marco (GFZ)

Session Classification: Geological storage

Contribution ID: 9

Type: **not specified**

Multiphase Flow in Geological Porous Media: Numerical Simulations to Support Development of H2 Storage Demonstrator

Wednesday 10 April 2024 14:45 (15 minutes)

Presenter: ECKEL, Anna-Maria (GFZ)

Session Classification: Geological storage

Contribution ID: **10**

Type: **not specified**

CEEGS or how to combine power and CO2 storage with geothermal energy?

Wednesday 10 April 2024 14:30 (15 minutes)

Presenter: FARKAS, Marton Pal (GFZ)

Session Classification: Geological storage

Contribution ID: 11

Type: **not specified**

Crustal stresss: From point-wise in-situ measurements to 3D predictions

Thursday 11 April 2024 13:45 (15 minutes)

Presenter: HEIDBACH, Oliver (GFZ)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 12

Type: **not specified**

Uranium migration in the hydrogeochemical system of the Opalinus Clay

Wednesday 10 April 2024 11:50 (15 minutes)

Presenter: HENNIG, Theresa (GFZ)

Session Classification: Geological storage

Contribution ID: 13

Type: **not specified**

OpenWorkFlow - Development of an open-source synthesis-platform for safety investigations in the site selection process

Wednesday 10 April 2024 12:35 (15 minutes)

Presenter: KOLDITZ, Olaf (UFZ)

Session Classification: Geological storage

Contribution ID: 14

Type: **not specified**

Numerical fluid flow modeling in the context of CO₂ sequestration on mid-ocean ridge flanks

Wednesday 10 April 2024 14:15 (15 minutes)

Presenter: KREMIN, Isabel (Geomar)

Session Classification: Geological storage

Contribution ID: 16

Type: **not specified**

The value of simplified models of radionuclide transport for the safety assessment of nuclear waste repositories

Wednesday 10 April 2024 12:20 (15 minutes)

Presenter: SELZER, Philipp (UFZ)

Session Classification: Geological storage

Contribution ID: 17

Type: **not specified**

Characterization and Selection of the Most Prospective CO₂ Storage Sites in the North German Basin

Wednesday 10 April 2024 14:00 (15 minutes)

Presenter: XU, Yifan (GFZ)

Session Classification: Geological storage

Contribution ID: **18**

Type: **not specified**

Péclet and Damköhler numbers describe the morphology and grade of clastic dominated ore deposits

Thursday 11 April 2024 10:35 (15 minutes)

Presenter: BERGER, Peter (GFZ)

Session Classification: Metal and Carbon Resources

Contribution ID: 19

Type: **not specified**

Metal meet Carbon resources –Discovery of the Karambusel Vents during SO299 DYNAMET

Thursday 11 April 2024 11:15 (15 minutes)

Presenter: BRANDL, Philipp (Geomar)

Session Classification: Metal and Carbon Resources

Contribution ID: 20

Type: **not specified**

The origin of the Kupferschiefer mineralization (eastern Germany): constraints from petrography and analysis of sulfur isotopes of pyrite and chalcopyrite

Thursday 11 April 2024 09:50 (15 minutes)

Presenter: MAGNALL, Joe (GFZ)

Session Classification: Metal and Carbon Resources

Contribution ID: 21

Type: **not specified**

Seafloor hydrothermal systems at oceanic core complexes - the Semyonov cluster at the Mid-Atlantic Ridge

Thursday 11 April 2024 11:30 (15 minutes)

Presenter: PETERSEN, Sven (Geomar)

Session Classification: Metal and Carbon Resources

Contribution ID: 22

Type: **not specified**

Tracing organic matter alterations in the Kupferschiefer on a molecular level

Thursday 11 April 2024 10:05 (15 minutes)

Presenter: PÖTZ, Stefanie (GFZ)

Session Classification: Metal and Carbon Resources

Contribution ID: 23

Type: **not specified**

Critical raw materials in geothermal fluids

Thursday 11 April 2024 09:35 (15 minutes)

Presenter: REGENSPURG, Simona (GFZ)

Session Classification: Metal and Carbon Resources

Contribution ID: 24

Type: **not specified**

Coupled geodynamic forward models of resource formation

Thursday 11 April 2024 14:45 (15 minutes)

Presenter: BRUNE, Sascha (GFZ)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 25

Type: **not specified**

Heat flow in geosystems: global data, infrastructure and modelling

Thursday 11 April 2024 14:00 (15 minutes)

Presenter: FUCHS, Sven (GFZ)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 26

Type: **not specified**

Gold- and silver-rich magmas from lithospheric mantle: test on Gaussberg lamproites (Antarctica)

Thursday 11 April 2024 13:15 (15 minutes)

Presenter: PORTNYAGIN, Maxim (Geomar)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 27

Type: **not specified**

Rift-inversion orogens: potential hotspots for natural H₂ generation

Thursday 11 April 2024 13:30 (15 minutes)

Presenter: ZWAAN, Frank (GFZ)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 28

Type: **not specified**

Magmatic controls on fluid exsolution and implication for porphyry deposits formation

Thursday 11 April 2024 11:45 (15 minutes)

Presenter: GRUZDEVA, Yulia (GFZ)

Session Classification: Metal and Carbon Resources

Contribution ID: 29

Type: **not specified**

Fluid flow through porous and fractured rocks undergoing THMC coupled interactions

Thursday 11 April 2024 14:30 (15 minutes)

Presenter: MILSCH, Harald (GFZ)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 30

Type: **not specified**

Organic-inorganic interactions as control for the mineralization of Kupferschiefer

Thursday 11 April 2024 10:20 (15 minutes)

Presenter: SCHULZ, Hans-Martin

Session Classification: Metal and Carbon Resources

Contribution ID: 31

Type: **not specified**

TH-modelling of climatic impacts on groundwater resources and the subsurface thermal field

Thursday 11 April 2024 14:15 (15 minutes)

Presenter: TSYPIN, Michael (GFZ)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: **32**

Type: **not specified**

Introduction Geothermal

Wednesday 10 April 2024 09:45 (5 minutes)

Session Classification: (urban) Geothermal

Contribution ID: 33

Type: **not specified**

Introduction Storage

Wednesday 10 April 2024 11:45 (5 minutes)

Session Classification: Geological storage

Contribution ID: **34**

Type: **not specified**

Introduction Raw Materials

Thursday 11 April 2024 09:30 (5 minutes)

Session Classification: Metal and Carbon Resources

Contribution ID: 36

Type: **not specified**

Medium Deep Borehole Thermal Energy Storage (MD-BTES) construction and integration into a district heating grid: Insights and targets of SKEWS and PUSH-IT projects

Wednesday 10 April 2024 10:35 (15 minutes)

Presenter: BOSSENNEC, Claire (GFZ)

Session Classification: (urban) Geothermal

Contribution ID: 37

Type: **not specified**

Introduction Geodynamics, Models and Tools

Thursday 11 April 2024 13:10 (5 minutes)

Session Classification: Geodynamics, Models and Techniques

Contribution ID: 40

Type: **not specified**

Methods and Tools for Geothermal Systems Analysis

Wednesday 10 April 2024 09:50 (15 minutes)

Presenter: OLAF, Kolditz (UFZ)

Session Classification: (urban) Geothermal