

Poster

„Dynamic Earth Days“

17./18.07.2025

Mario Arroyo-Solórzano (GFZ):

Seismic Hazard and Slow Slip Events (SSEs): Integrating Geodetic Data and Inferring SSE Potential in Subduction Zones

Klaus Bauer (GFZ)

Seismic imaging along TRANSALP

Julie Belo(Geomar)

Marine tepohrostratigraphy in the Sunda Strait

Carolin Boese (GFZ)

Acoustic emission activity and velocity changes in shale rocks from the Tournemire injection experiment

Judith Bott (GFZ)

The long-term lithospheric strength of the Sea of Marmara region (NW Turkey)

Andreas Brack (GFZ)

Real-Time GNSS at GFZ

Philipp Alexander Brandl (Geomar)

Hot, cold and full of gold: Discovery of the Karambusel vent field, PNG

Jean Braun (GFZ)

Deep-time Digital Twin using Xarray-Simlab

Pinar Buyukakpinar (GFZ)

Earthquake swarms beyond borders

Silvia Crosetto (GFZ)

ETNA: an Infrastructure for Multi-risk and Super Hot Resources

Torsten Dahm (GFZ)

The Eife Large-N experiment within the CVO

Sergio Diaz-Meza (GFZ)

Nonlinear ground response due to volcanic explosions at Mt. Etna, Italy

Paul Einhüpl (RIFS)

From Complexity to Action: Advancing Methods for Systemic Risk Assessment and Governance

Sven Fuchs (GFZ)

tbd

Anne Glerum (GFZ)

The enigmatic role of cratons in Zn-Pb deposit formation during continental rifting

Bernhard Haas (GFZ)

Space Weather in POV V

Sebastian Hainzl (GFZ)

Modeling earthquake cascades - Contributions of advanced seismicity models

Benjamin Hofbauer (RIFS)

The Risk-Tandem Framework - bringing ethical considerations into risk governance (GFZ/RIFS)

Anna Jentsch (GFZ)

Volcanic-Tectonic CO₂ Emissions in different Geological Settings

Michael Kühn (GFZ)

Hydrogeochemical impacts on uranium migration in the Opalinus Clay at Mont Terri

Steffen Kutterolf (Geomar)

Santorini's eruptive past from new deep-drilled marine tephra records - IODP Expedition 398 Hellenic Arc Volcanic Field

Ssu-Ting Lai (GFZ)

Single-Station Time-Frequency Analysis of Linear and Nonlinear Site Response for Seismic Hazard Applications

Dietrich Lange (Geomar)

Seismicity and Repeaters of the Blanco Transform Fault

Yanling Liang (GFZ)

Sediment subduction and detachment in the Burma subduction zone

Yingchen Liu (Geomar)

Seismicity to the South of the Louisville Ridge-Tonga Trench Collision Zone: New Insight into Processes Controlling Seismic Gaps and Subduction Erosion

Stefan Lüth (GFZ)

Seismic Imaging of Clay Formations - Mont Terri

Enrico Marzotto (GFZ)

Olivine's high radiative conductivity increases slab temperature by up to 200K

Sabrina Metzger (GFZ)

The use of high-resolution surface rate maps for dynamic earth research

Tina Neumann (GFZ)

Highlights of the evolution of various rift configurations and the influence of strain healing

Gesa Petersen (GFZ)

Mountain building processes - AlpArray and AdriaArray

Michael Pons (GFZ)

Subduction and rift networks connectivity, a comparison between Earth and Venus

Yu Ren (Geomar)

Intraplate deformation and mantle shear zones in the Gorda plate driven by the northward migration of the Mendocino triple junction

Oliver Ritter (GFZ)

Imaging fluid pathways in the vicinity of the Laacher See with MT - concepts based on measurements in the Eger Graben

Eleonora Rivalta (GFZ)

Building volcano plumbing systems in a stressed crust

Max Arthus Schanner (GFZ)

Correlation based modelling of the Holocene geomagnetic field

Judith Schicks (GFZ)

Cryosphere associated gas hydrates - scientific approaches for risk assessment

Maria Rosa Scicchitano (GFZ)

Isotopic Fingerprinting of Minerals Related to Ore Deposits: Capabilities of the GFZ SIMS Lab

Alina Shevchenko (GFZ)

Volcano-cryosphere interaction in Iceland and associated hazards

Morelia Urlaub (Geomar)

tbd

Ambrosio Vega Ruiz (GFZ)

Transients of uplift along the Chilean coastal forearc: Insights from forward kinematic modelling & morphometric analysis

Graeme Weatherill (GFZ)

Scientific Topics and Priorities for the Next Generation of European Seismic Hazard and Risk Models

Hella Wittmann-Oelze (GFZ)

Denudation and weathering from meteoric $^{10}\text{Be}/^{9}\text{Be}$ ratios in carbonate landscapes

Christopher Wollin (GFZ)

Geophysical Monitoring of Mining-related Deposits in the MOSMIN Project

Alan Yu (GFZ)

Geothermal potential in the Rhine Graben Rift: a multi-scale numerical modelling approach

Qi Zhou (GFZ)

Advancing Debris Flow Early Warning Through Machine Learning

Edgar Zorn (GFZ)

Atypical tsunamis: Volcano instability and flank collapse in Indonesia