

Workshop program (26.10.2023):

## Evolution of the Earth System from the Early Earth to the Quaternary



### Welcome and Introduction - Lecture Hall (09:00 - 09:15)

- Presenters: SACHSE, Dirk; GLEESON, Sarah

#### Block 1 - Lecture Hall (09:15 - 10:30)

presenter

09:15	Communicating Geological Knowledge for Sustainability	BARTELS, Marianne
09:30	Subduction and plate tectonics in the Hadean and Archean	SOBOLEV, Stephan JAIN, Charitra
09:45	Lithospheric structure and the geodynamic evolution of a tectonic system	BOTT, Judith
10:00	Tectono and thermochronological toolkits	GLODNY, Johannes
10:15	Coupled geodynamic and landscape evolution models	DAVIES, Hannah WOLF, Sebastian

### Break - Lecture Hall (10:30 - 11:00)

#### Block 2 - Lecture Hall (11:00 - 12:30)

presenter

11:00	Phanerozoic plate boundary evolution and its impact on the deep carbon cycle	BRUNE, Sascha
11:15	Weathering and the long-term carbon cycle	FRINGS, Patrick
11:30	Constraining the timing of the full oxygenation of the Earth's oceans	BOBROVSKIY, Ilya
11:45	Connections between seawater chemistry and Zn metallogenesis in the mid-Proterozoic	MAGNALL, Joe
12:00	Subsurface biosphere genomics - Lake Towuti (early oceans analogue)	RUIZ BLAS, Fatima VUILLEMIN, Aurele

### Lunch Break - Lecture Hall (12:30 - 13:30)

#### Block 3 - Lecture Hall (13:30 - 15:00)

presenter

13:30	Thermochronology, geomorphology, cosmogenic nuclides	SCHILDGEN, Taylor
13:45	Sediments: from yesterday to the deep-past	BLANCHET, Cecile HELLE, Gerd RIK, Tjallingii
14:00	Quaternary, global sea level reconstructions	KLEMMANN, Volker
14:15	Geomagnetism and isotope / Earth's interior evolution	KORTE, Monika
14:30	SIMS and climate archives	MICHAEL, Wiedenbeck

### Discussion - Lecture Hall (15:00 - 16:00)

### Beverages and chat