



ICDP 2018 Training Course Agenda November 18-23, Geozentrum KTB

Sunday, November 18: arrival

Monday, November 19

08:30-09:15	Welcome/Introduction	Welcome, Introduction round, Training course logistics	Thomas Wiersberg, ICDP OSG
09:15-10:00	The GeoZentrum at the KTB	History and usage of the GeoZentrum at the KTB for outreach and education	Frank Holzförster, GeoZentrum an der KTB
10:30-11:15	Fundamentals of drilling engineering I-II	Drilling Terminologies, Technologies, and Lifecycle, Drill Pipes, Bits,	Santiago Aldaz, ICDP OSG
11:15-12:00		Mud, Cementation, Casing	
LUNCH and KTB site visit			
13:30-14:15	Fundamentals of drilling engineering III	Economics and Costs, Health, Safety and Environment, Reporting	Santiago Aldaz, ICDP OSG
14:15-15:00	Drilling and Coring of lacustrine sediments	Lake drilling platforms and coring techniques, Rig equipment and components, Drilling workflow, HSE, site studies	Anders Noren, LacCore
15:30-16:15			
16:15-17:00	Drilling the Eger Rift	Site selection, project history (idea, workshop, full proposal), funding, planning and logistics	Tomas Fischer, Charles University Torsten Dahm, GFZ Potsdam

Tuesday, November 20

08:30-09:15	Rock Core and Cuttings	Solid sample types, On-Site sample handling, Depth correlation, Artefacts,	Anja Schleicher, GFZ Potsdam
09:15-10:00		Pros and cons of cuttings vs. core, Lithoprofiles, Case studies	
10:30-11:15	Downhole Testing and Measurements	Hydrofracturing and Leak-off test	Gerd Klee, MeSy-Solexperts
11:15-12:00	Lacustrine Core Samples I	Core, core catcher and other samples and subsamples, Core handling and storage	Sabine Wulf, University of Portsmouth
LUNCH			
13:30-14:15	Lacustrine Core Samples II	On-site and laboratory analysis, Data evaluation and interpretation, Artefacts	Sabine Wulf, University of Portsmouth
14:15-15:00	Downhole Seismic Monitoring	Motivation of borehole seismology, Current borehole seismic monitoring equipment, Design of an array/network, Future of borehole seismology, site studies	Marco Bohnhoff, GFZ Potsdam
15:30-16:15			
16:15-17:00	KTB	History and Achievements of the German Superdeep Drilling project	Uli Harms, ICDP OSG

Wednesday, November 21, 8:30- 18:00 (approx.): Field excursion



Thursday, November 22

08:30-09:15	Fundamentals of Downhole Geophysical Logging	Measurement principles and tools, OSG Logging equipment, Logging in sedimentary and crystalline rock, Data recording and transmission, Planning and management of downhole logging campaigns	Jochem Kück & Simona Pierdominici, ICDP OSG
9:15-10:00	Application of Downhole Geophysical Logging	Application of downhole geophysical logging in ICDP Projects, Core-Log-Seismic Integration	Simona Pierdominici & Jochem Kück, ICDP OSG
10:30-11:15			
11:15-12:00	Deep Biosphere Sampling	Prerequisites, Sample contamination, On-site sampling and subsampling, Mobile field laboratory, ICDP projects with Geobiosphere studies	Axel Kitte, GFZ Potsdam
LUNCH			
13:30-14:15	Fluid and Gas Sampling and Monitoring	Fluid sampling (Downhole Fluidsampling, Core gas extraction) and monitoring techniques (OLGA, U-Tube, Gas Membrane Sensor), applications in ICDP Projects	Thomas Wiersberg, ICDP OSG
14:15-15:00			
15:30-16:15	Sample and data management in ICDP Projects	Lifecycle of scientific drilling projects, ICDP data and sample policy on-site data management, Drilling Information System DIS, Data and sample archives	Tanja Hörner & Ronald Conze, ICDP OSG
16:15-17:00			

Friday, November 23

08:30-09:15	Evaluation of exercises	Evaluation of exercises	All
09:15-10:00	ICDP Project Planning and Management	Proposal writing, Prerequisites, Organization & style, General content, Pitfalls, Budget plans & timelines, Safety & permission issues	Uli Harms, ICDP OSG
10:30-11:15	Operational, logistical and outreach support for ICDP Projects	OSG Equipment and service provisions, Terms and conditions of transportation and use, ICDP Primer, Need for Outreach, Outreach measures for different target communities, Use of Social Media, Dealing with journalists	Thomas Wiersberg, ICDP OSG
11:15-12:00	End of Training Course	Feedback and Discussion round	All