

OGS Community Meeting 2017 – 12-13.12.2017 – Leipzig

Venue: UFZ-KUBUS, Permoserstr. 15, 04318 Leipzig

<https://www.ufz.de/leipziger-kubus/index.php?en=41733>

Version: 07.12.2017

12.12.2017: Users meet Developers

No	Time	Top	Chair / Presenter	
01	10:00	Welcome and Introduction to the OGS-CM	Thomas Kalbacher (UFZ)	
02	10:15	OGS Overview: Status and Outlook ENVINF Review: "10 Years After"	Olaf Kolditz,	
03	10:45	OGS-6 Status	Dmitri Naumov (UFZ)	
A	Session 1	Geoenergy	Sebastian Bauer / Haibing Shao	
04	11:00	Simulation of technical heat storage devices - comparison to experimental data, model simplifications and environmental impacts	Johannes Nordbeck (CAU Kiel)	
05	11:20	Initial ideas for the modelling of large BHE array in the context of shallow geothermal energy utilization	Haibing Shao (UFZ / TUBAF)	
06	11:35	Dimensioning and thermal effects of BTES heat storage	Sebastian Bauer (CAU Kiel)	▼
B	Session 2	Environmental Geotechnics	Norbert Grunwald / Thomas Nagel	
07	11:55	Using the LIE XFEM modelling approach in the context of DECOVALEX (Task B): Fluid injection into a single pre-existent fault	Gesa Ziefle (BGR)	
08	12:15	TH2M Processes and Material Properties	Norbert Grunwald (BGR)	
		Lunch Break (Catering)		
10	13:05	Breaking rock: Phase-field models for brittle fracture and non-local elasto-plastic damage models	Francesco Parisio, Keita Yoshioka (AG Nagel, UFZ/TCD)	
C	Session 3	Geohydrology	Thomas Graf / Marc Walther	
11	13:20	A biochemical model for the microbially induced calcite precipitation (MICP) in porous media	Xuerui Wang (IBNM Hannover)	
12	13:40	Urban catchment scale simulation of pipe leakage with OGS-HE	Aaron Peche (ISEB Hannover)	
13	14:00	HC-Processes and HP-C Environments (TBC)	HYD-INF contribution (UFZ)	
14	14:15	Groundwater Systems: Complexity Reduction	Thomas Kalbacher (UFZ)	
		Picking fresh coffee/tea ...		
D	Session 4	Workflows	Lars Bilke / Herbert Kunz	
15	14:40	OGS Software Engineering News	Lars Bilke (UFZ)	
16	14:55	OGS-DUNE coupling for h-adaptivity and the first OGS- 6 tutorial	Christoph Lehmann	
17	15:10	Future of GINA	Johannes Herfurth (BGR)	
18	15:30	OGS-PhreeqC-ECLIPSE coupling for assessment of geochemical reactions in compressed air energy storage	Bo Wang (CAU Kiel)	
19	15:50	mHM#OGS: Coupled hydrosystems	Miao Jing (UFZ)	
20	16:10	Environmental Information Systems	Karsten Rink (UFZ)	
21	16:25	Introduction to the OGS-6 Workshop on 13.12.2017	Dmitri Naumov / Lars Bilke (UFZ)	
22	16:40	Discussion and Closure (Foyer Foto)		
	19:00	Dinner	Suite Hotel (~ 20 p)	

OGS-6 Course

Participants: 10

CAU: Tilmann Pfeiffer, Bo Wang, Johannes Nordbeck und Sebastian Bauer

BGR: Norbert Grunwald, Johannes Herfurth, Vinay Kumar, Herbert Kunz, Gesa Ziefle

UFZ: Johannes Boog