

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: 04.12.2017

12.12.2017: Users meet Developers

No	Time	Top	Chair / Presenter
1	10:00-10:15	Welcome and Introduction to the OGS-CM	Thomas Kalbacher
2	10:15-11:00	Keynote: TBC	
3	11:00-11:30	OGS Overview: Status and Outlook ENVINF Review: "10 Years After"	Olaf Kolditz et al.
A	Session 1	Geoenergy	Sebastian Bauer / Haibing Shao
4	11:30-11:50	Simulation of technical heat storage devices - comparison to experimental data, model simplifications and environmental impacts	Johannes Nordbeck (CAU Kiel)
5	11:50-12:10	Dimensioning and thermal effects of ATES heat storage	Bo Wang (CAU Kiel)
6	12:10-12:30	Dimensioning and thermal effects of BTES heat storage	Sebastian Bauer (CAU Kiel)
7	12:30-12:50	Initial ideas for the modelling of large BHE array in the context of shallow geothermal energy utilization	Haibing Shao (UFZ / TUBAF)
	12:50-13:30	Lunch Break (Catering)	
B	Session 2	Environmental Geotechnics	Thomas Nagel / Jobst Maßmann
8	13:30-13:50	Using the LIE XFEM modelling approach in the context of DECOVALEX (Task B): Fluid injection into a single pre- existent fault	Gesa Ziefle (BGR)
9	13:50-14:10	TH2M und Material Properties	Norbert Grunwald (BGR)
10	14:10-14:30	OGS-DUNE coupling for h-adaptivity and the first OGS-6 tutorial	Christoph Lehmann, Francesco Parisio, Keita Yoshioka (AG Nagel, UFZ/TCD)
11	14:30-14:50	Breaking rock: Phase-field models for brittle fracture and non-local elasto-plastic damage models	
		Picking fresh coffee/tea ...	
C	Session 3	Geohydrology	Marc Walther / Thomas Graf
12	15:00-15:20	A biochemical model for the microbially induced calcite precipitation (MICP) in porous media	Xuerui Wang (IBNM Hannover)
13	15:20-15:40	Urban catchment scale simulation of pipe leakage with OGS-HE	Aron Peche (ISEB Hannover)
14	15:40-16:00	HC-Processes and HP-C Environments (TBC)	HYD-INF contribution (UFZ)
15	16:00-16:20	Reactive transport processes (TBC)	Thomas Kalbacher (UFZ)
		Picking fresh coffee/tea ...	
D	Session 4	Workflows	Lars Bilke / Herbert Kunz
16	16:30-16:50	OGS Software Engineering News	Lars Bilke (UFZ)
17	16:50-17:10	Future of GINA	Johannes Herfurth (BGR)
18	17:10-17:30	OGS-PhreeqC-ECLIPSE coupling for assessment of geochemical reactions in compressed air energy storage	Bo Wang (CAU Kiel)
19	17:30-17:50	mHM#OGS: Coupled hydrosystems	Miao Jing (UFZ-CHS)
20	17:50-18:10	Environmental Information Systems	Karsten Rink (UFZ-ENVINF)
21	18:10-18:25	Introduction to the OGS-6 Workshop on 13.12.2017	Dmitri Naumov / Lars Bilke (UFZ-ENVINF)
	18:25-18:40	Link to OGS AGU People (-9h)	Marc Walther et al. (TBC)
	20:00-22:00	Dinner (Restaurant) oder	ENVINF
	19:00-21:00	X-mas Party (self-organized)	