OGS Community Meeting 2015 – Main Program

THURSDAY 03.12.2015	TIME
Welcome & Opening Comments *Olaf Kolditz (UFZ) & Thomas Kalbacher (UFZ)*	09:00
Implementations & Interfaces	
1 Coupling OpenGeoSys with HYSTEM-EXTRAN: A model for the simulation of pipe leakage *Aaron Peche (LUH)*	9:20
2 Status of OpenGeoSys-GEM and GEM-Selektor *Georg Kosakowski (PSI)*	9:40
3 Implementation of inelastic constitutive models for infinitesimal and finite deformations *Thomas Nagel (UFZ)*	10:00
COFFEE BREAK	10:20
Models & Applications	
4 Seasonally induced HM effects in low permeable claystone – measurements and simulation *Gesa Ziefle (BGR)*	10:50
5 Thermo-hydro-mechanical (THM) behaviours in the bentonite buffer and in the Opalinus Clay host rock (Modelling the HE-E in-situ Heating Experiment) *Xuerui Wang (BGR)*	11:10
6 Model concept for upscaling coupled THM processes in heterogeneous claystone *Kumar Vinay (BGR)*	11:30
Posters: Short Keynotes	
7 OGS-PhreeqC Lessons learned - Reactive transport modeling in variably saturated porous media *Wenkui He (UFZ)*	11:50
8 Hydro-mechanical modelling of the SEALEX experiments *Haiyang Yi (UFZ)*	11:55
9 Reactive transport modeling of pressure solution in fractures (DECOVALEX) *Renchao Lu (UFZ)*	12:00
10 Application of OGS in the IGLU project *Xing-Yuan Miao (UFZ)*	12:05
11 Influence of physical and chemical aquifer heterogeneity on nitrate reduction processes *Eunseon Jang (UFZ)*	12:10
12 Efficiency comparison of implementing complementary constraints in local or global governing equations of the componential multiphase processes *Yonghui Huang (UFZ)*	12:15
LUNCH & POSTER SESSION	12:20
13 Hydraulic and thermal impacts of shallow subsurface heat storage *Christof Beyer (CAU)*	13:50
14 Overview of modelling Ground Source Heat Pump systems for the utilization of shallow geothermal energy *Haibing Shao (UFZ)*	14:10
15 New features from Kiel *Jens-Olaf Delfs(CAU)*	14:30
16 Applying OGS to study coupled fluid processes in the Tiberias Basin / Jordan Valley *Fabien Magri (UFZ)*	14:50
COFFEE BREAK	15:10

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Code Development & Documentation		
17	Open Source Now: Report and Status *Lars Bilke (UFZ)*	15:30
18	OGS-Tutorials: current status and future plans *Agnes Sachse (UFZ)*	15:40
19	Wiki-based OGS5 keyword description *Christoph Lehmann (UFZ)*	15:50
20	OGS6 – Annual Report *Dmitri Naumov (UFZ)*	16:00
21	A user's perspective on OGS6 *Christoph Lehmann (UFZ)*	16:20
22	A step toward a new fluid property class? *Norbert Böttcher (UFZ)*	16:40
Discussion		17:00

Side Events

WEDNESDAY 02.12.2015		TIME
Moderated Group Discussions		
A	CO2-Sequestration (seminar room 1) *Moderator: Jobst Maßmann & Norbert Böttcher*	15:00
B	Geotechnics (seminar room 1) *Moderator: Hua Shao*	16:00
C	BGR-UFZ Cooperation (seminar room 1) *Moderators: Olaf Kolditz*	17:00

Get-Together   WED, 02.12.2015, 7pm, Suite Hotel

OGS e.V. Vorstandssitzung: THU, 03.12.2015, 8pm, (location will be announced later)

FRIDAY 04.12.2015		TIME
Moderated Group Discussions		
A	OGS6 (seminar room 1) *Moderator: Dmitri Naumov*	09:30
B	Fluid Property Class (seminar room 1) *Moderator: Norbert Böttcher*	11:00
C	RTM Reaction Interfaces (seminar room 2) *Moderator: Georg Kosakowski*	11:30