

Invited Conferences		1
Oral Session 1	Clay based disposal concepts Chair: Patrick Landais	7
Oral Session 2A	Alkaline Perturbation Chair: Reiner Dohrmann - Nicolas Michau	13

Table of Contents

P A G E



Oral Session 2B	Gas transfer Chair: Paul Marschall - Frédéric Plas	23
Oral Session 3A	Iron/clay interactions Chair: Bertrand Fritz - Reiner Dohrmann	33
Oral Session 3B	Hydration/dehydration Chair: Michel Cathelineau - Antonio Gens	43
Oral Session 4	General strategy: from exploration to simulation Chair: Alan Hooper - Jean-Paul Minon	53
Oral Session 5	Coupled thermo-hydro-mechanical (THM) processes Chair: Patrik Sellin - Jean-Claude Robinet	67
Oral Session 6A	THM and chemical (THM-C) processes: mock up and in-situ experiments Chair: Patrik Sellin - Jean-Claude Robinet	79
Oral Session 6B	Organic matter reactivity Chair: Ann Dierckx - Achim Albrecht	89
Oral Session 7A	THM / THM-C processes in bentonite: the “FEBEX” experiment Chair: Patrik Sellin - Jean-Claude Robinet	99
Oral Session 7B	Organic and microbiological mediated processes Chair: Ann Dierckx - Achim Albrecht	109
Oral Session 8	Diffusion processes and solute transport Chair: Joseph Stucki - Scott Altmann	119

Oral Session 9	Excavated damaged zone (EDZ): characterisation, evolution and modelling Chair: Philippe Lalieux - Peter Blümling	133
Oral Session 10A	Diffusion processes and solute transport Chair: Joseph Stucki - Scott Altmann	145
Oral Session 10B	THM experiments in the opalinus clay Chair: Tilmann Rothfuchs - Yannick Wileveau	155
Oral Session 11A	Isotopic content of clay interstitial water Chair: Jean-Pierre Girard - Jean-François Aranyossy	165
Oral Session 11B	EDZ effects on rock chemistry and transport parameters Chair: Philippe Lalieux - Peter Blümling	175
Oral Session 12	Retention/sorption Chair: Pedro Hernan - Eric Giffaut	185
Oral Session 13	Hydro-mechanical (HM) processes: host permeability and self sealing Chair: Charles Fairhurst - Patrick Lebon	199
Oral Session 14A	Geochemical modelling Chair: Norbert Clauer - Kazumi Kitayama	211
Oral Session 14B	HM processes in the engineered barrier system (EBS) Chair: Charles Fairhurst - Juan Carlos Mayor	221
Oral Session 15A	Pore-water chemistry: acquisition and modelling Chair: Andreas Gautschi - Emmanuel Jacquot	231
Oral Session 15B	HM parameters acquisition and modelling Chair: Charles Fairhurst - Juan Carlos Mayor	241
Oral Session 16	Pore-water chemistry: acquisition and modelling (Continuation) Chair: Andreas Gautschi - Emmanuel Jacquot	251
Oral Session 17	General strategy: integration and prospective Chair: Patrick Landais	263
Poster [GSI]	General strategy, clay based concepts and Integration	271

Poster [AP]	Alteration Processes	309
Poster [GM]	Geochemistry and mineralogy	371
Poster [IGE]	Investigations on geological environments	439
Poster [MTPM]	Mass transfer and porous media	485
Poster [SRC]	Sorption, retention and complexation	591
Poster [THME]	M, HM and THM-C processes in engineered barriers	627
Poster [THMN]	M, HM and THM-C processes in natural barriers	685
Author Index		789