



## International Conference on CO<sub>2</sub> Sequestration Processes Reykjavik ICELAND 5-12 September 2009

OPTIONAL FIELD SAMPLING TRIP		FORMAL SCIENTIFIC MEETING		OPTIONAL FIELD EXCURSION		
Saturday 5	Sunday 6 Cocktail reception at President Grimsson's residence	Monday 7	Tuesday 8	Wednesday 9	Thursday 10	Friday 11

### Part 1: Optional Field Sampling Trip

SATURDAY, SEPTEMBER 5, 2009		SUNDAY, SEPTEMBER 6, 2009	
8:50 9:00	Meet at Science Institute, University of Reykjavik	8:50 9:00	Meet at Science Institute, University of Reykjavik
9:00 10:00	Orientation + coffee	9:00 10:00	Discussion + coffee
10:00 10:30	Depart for field sampling site	10:00 10:30	Depart for field sampling site
10:30 12:30	<b>Helgi Alfredsson</b> Sampling low temperature wells	10:30 12:30	<b>Ingvi Gunnarsson</b> Sampling high temperature wells
12:30 14:00	Lunch	12:30 14:00	Lunch
14:00 17:15	<b>Andri Stefansson and Hanna Kaasalainen</b> Sampling fumaroles	14:00 17:15	<b>Liane Benning</b> Silica precipitations in effluent waters and the role of bacteria
17:15	Return to Science Institute	17:15	Return to Science Institute
18:00	Drinks at Science Institute	18:00	Cocktail reception at President Grimsson's residence

## Part 2: Formal Scientific Conference on CO<sub>2</sub> Sequestration Processes

### SUNDAY, SEPTEMBER 6, 2009

18:00	Cocktail reception at President Grimsson's residence
19:30	

### MONDAY, SEPTEMBER 7, 2009

8 :15	<b>Bus transport from Radisson SAS to Reykjavik Energy</b>
9 :00	<b>Welcome statements</b>
9 :20	<b>Hjörleifur Kvaran</b> CEO of Reykjavík Energy
9 :20	<b>Ólafur Ragnar Grímsson</b> , President of Iceland
9 :40	
9 :40	<b>Wally Broecker</b> : Columbia University, New York, USA
10 :20	Climate and carbon dioxide
10 :20	Discussion and coffee break
10 :50	
10 :50	<b>Klaus Lackner</b> :
11 :30	Carbon capture from air
11 :30	<b>Tara C. La Force</b> : Imperial College London, UK
12 :15	Pulsed H <sub>2</sub> O - CO <sub>2</sub> injections into porous media.
12 :15	Lunch at Hellisheidi
13 :15	
13 :20	<b>Tore Torp</b> : Statoil Research Center, Trondheim, Norway
14 :00	Case study: CO <sub>2</sub> into saline fluids in sandstone: the Sleipnir site in Norway.
14 :00	<b>Yousif Kharaka</b> : U.S. Geological Survey, California
14 :40	CO <sub>2</sub> geological sequestration at the Frio site USA
14 :40	<b>Eric Oelkers</b> : CNRS, Toulouse, France
15 :20	Mineral carbonization of CO <sub>2</sub>
15 :20	Discussion and coffee break
15 :50	
15 :50	<b>S.R. Gislason</b> : Science Institute, University of Reykjavik, Iceland
16 :30	Carbon sequestration in basaltic rock. The carbfix project.
16 :30	Bus return from Reykjavik Energy to Radisson SAS
17 :30	Student posters, wine and beer
18 :00	
18 :30	Dinner at Science Institute

### TUESDAY, SEPTEMBER 8, 2009

8 :15	<b>Bus transport from Radisson SAS to Reykjavik Energy</b>
9 :00	<b>Akira Ueda</b> : Japan
9 :40	Case study: Mineral carbonization of CO <sub>2</sub> at Japanese sites
9 :40	<b>Juerg Matter</b> : Columbia University, New York, USA
10 :20	Mineral sequestration in ultramafic rocks.
10 :20	Discussion and coffee break
10 :50	
10 :50	<b>Travis McLing</b> : Idaho National Laboratory, USA
11 :30	Tracer tests conducted in the Snake River basalt, USA
11 :30	<b>Luigi Marini</b> : Italy
12 :15	Reactive transport modelling of mineral sequestration
12 :15	Lunch at Hellisheidi
13 :15	
13 :20	<b>Panel discussion</b>
18 :00	
18 :00	Bus return from Reykjavik Energy to Radisson SAS Saga Hotel

### Part 3: Optional Field Excursion

WEDNESDAY, SEPTEMBER 9		THURSDAY, SEPTEMBER 10		FRIDAY, SEPTEMBER 11	
8:00	Bus pick up at Radisson SAS Saga Hotel Departure for Solheimajökull glacier	9:00		9:00	Drive out of Landmannalaugar, visit several scenic spots
9:00 10:00		9:00 10:00	Following breakfast, hiking in the close vicinity of the Landmannalaugar area (weather permitting)	9:00 10:00	
10:00 11:30	Arrival at Sólheimajökull glacier	10:00 11:30		10:00 11:30	
11:30 12:00	Departure for Vík	11:30 12:00		11:30 12:00	
12:00 13:30	Lunch in Vík, South Iceland	12:00 13:30	Lunch during the hike	12:00 13:30	Lunch at Flúðir
13:30 15:30	Departure for the Eldgjá fissure, source of the largest historical lava flow on Earth	13:30 15:30		13:30 14:00	Departure for Gullfoss waterfall (The Golden Falls)
15:30 17:00	Visit of Eldgjá + coffee break	15:30 17:00		14:00 15:00	Arrival in Gullfoss + visit Departure for Geysir
17:00 18:00	Departure for Landmannalaugar	17:00 18:00		15:15 16:15	Arrival in Geysir, first known eruptive geyser in the world
18:00	Arrival in Landmannalaugar Barbeque dinner, followed by bath in natural hot springs	18:00	Barbeque in Landmannalaugar Followed by bath in natural hot springs	16:15 17:15	Departure for Þingvellir, the plate boundary between the North American plate and the Eurasian plate
				18:15 19:30	Return to Reykjavik

For more detailed information about the field excursion, please consult:

#### **International conference on CO<sub>2</sub> sequestration processes**

#### **Field Guide**

Sept 9th – 11th 2009, Compiled by Gretar Ívarsson

Available on the MIR and MIN-GRO websites:

<http://www.mir-est.com/iceland.htm>

<http://www.min-gro.com/iceland.htm>