

INTERNATIONAL CARBON CONFERENCE

11.-14. SEPTEMBER 2018, REYKJAVIK, ICELAND



CarbonSAFE
CASCADIA

Networks

The second International Carbon Conference will take place in Reykjavík, Iceland, in September 2018. This conference will bring together three European networks that are working on finding solutions to current environmental problems, including the Science for Clean Energy (S4CE) Consortium, Collaborative Project, CarbFix2, and the MSCA Innovative Training Network, Metal-Aid. The USA Department of Energy funded carbon capture and storage project, CarbonSAFE Cascadia Basin will also be represented. The Cascadia project aims at mineralizing carbon in basalts off shore, north of Vancouver Island. Scientists from the Deep Carbon Observatory (DCO), a global community of more than 1000 researchers, who are on a ten-year quest to understand the quantities, movements, forms and origins of carbon on Earth, will also participate in the event.

Each of the networks will have their own management and training meetings September 10th and/or September 11th. An Icebreaker will be held at the Hellisheidi Power Plant and Exhibition Centre during the evening of September 11th.



The International Carbon Conference

Metal-Aid summer school

The early stage researchers from Metal-Aid and postdoctoral fellows from the DCO networks will receive training in geothermal fluid and gas sampling at the CarbFix CO₂ injection site at Hellisheidi, southwest Iceland. Schedule for the Metal-Aid summer school can be seen on [page 3](#)

Conference

The ICC outreach conference will be open to the public and will commence on September 12th in the Main Building at the University of Iceland. The conference will feature a series of high profile speakers, see [page 2](#). These talks will be followed by a poster session where representatives from all the networks will present their research to date. This will be a wonderful opportunity to profile these publicly funded networks and to showcase cutting edge research in Europe and the USA. Extended abstracts from the meeting will be published in Energy Procedia before the meeting. The event will be covered by local and international press. Over 150 participants are expected.



Field Trip

After the formal conference, interested participants can join a field excursion on September 13th -14th to the Eyjafjallajökull and Vestmanneyjar volcanoes in southern Iceland. The Eyjafjallajökull eruption closed much of European air space for a week in mid-April 2010 and polluted the local environment. The Vestmanneyjar Eldfell volcano erupted just east of the fishing village in January 1973. A large part of the village was buried in volcanic ash and lava and volcanic gases, mostly CO₂, was released. However most of the inhabitants returned to the island after the eruption to discover that the new lava significantly improved the harbor and the heat from the lava was harnessed for central heating for over 30 years after the eruption.



Heimaey eruption in 1973. Photo: Reynir Oddsson

Speakers

Guðmundur Ingi Guðbrandsson Minister for the Environment and Natural Resources in Iceland
Halldór Thorgeirsson Chair, Iceland's Climate Council. The pathway towards a global balance between emissions and removals in the context of the paradigm of the Paris Agreement.

Overview of the Networks represented

Adrian Jones University College London, UK. Introducing the Deep Carbon Observatory.
Alberto Striolo University College London, UK. Introducing S4CE.
David Goldberg Columbia University, USA. Introducing CarbonSAFE Cascadia.
Dominique Tobler University of Copenhagen, Denmark. Introducing Metal-Aid.

Invited speakers

Bernard Marty Université de Lorraine CRPG-CNRS, France. Origin and distribution of carbon on Earth.
Daniel Rothman MIT, USA. Thresholds of Catastrophe in the Earth System.
Edda Sif P. Aradóttir Reykjavík Energy, Iceland. Carbon capture and mineral storage in basalt: The CarbFix story.
Liane G. Benning GFZ Potsdam, Germany. Carbon in the Arctic and the Antarctic.
Peter Kelemen Columbia University, USA. Carbon in the crust.
Phil Ringrose Statoil, NTNU Norway. The CCS hub in Norway: some insights from 22 years of saline aquifer storage.



Itinerary

MONDAY - SEPTEMBER 10TH

DEEP CARBON OBSERVATORY AND S4CE AT RADISSON BLU HOTEL SAGA

- 08:30 - 10:00 Management meeting (S4CE)
- 10:00 - 10:30 Coffee break
- 10:30 - 12:00 Management meeting (S4CE)
- 12:00 - 13:30 Lunch - Hotel Saga (S4CE and DCO)
- 13:30 - 15:00 Management meeting (S4CE and DCO)
- 15:00 - 15:30 Coffee break
- 15:30 - 17:00 Management meeting (S4CE and DCO)

TUESDAY - SEPTEMBER 11TH

NETWORK MANAGEMENT MEETINGS AT RADISSON BLU HOTEL SAGA

- 08:30 - 10:00 Management meeting (all networks)
- 10:00 - 10:30 Coffee break
- 10:30 - 12:00 Management meeting (all networks)
- 12:00 - 13:30 Lunch - Hotel Saga
- 13:30 - 15:00 Management meeting (all networks)
- 15:00 - 15:30 Coffee break
- 15:30 - 17:00 Management meeting (all networks)
- 17:00 Pick up at Radisson Blu Hotel Saga for transportation to the Icebreaker and sightseeing at the Hellisheidi Power Plant
- 19:30 Icebreaker at the Hellisheidi Power Plant - Dinner buffet
- 22:00 Bus return from power plant to Radisson Blu Hotel Saga

SUMMER SCHOOL AT HELLISHEIDI FOR METAL-AID'S ESRS

- 08:00 - 08:20 Registration at University of Iceland - Askja
- 08:20 - 09:00 Driving to Hellisheidi Power Plant
- 09:00 - 10:00 Safety briefing and introduction talk
- 10:00 - 12:00 Training
- 12:00 - 13:00 Lunch at Hellisheidi Power Plant
- 13:00 - 15:00 Training
- 15:00 - 17:00 Training
- 17:00 - 19:00 Swimming Pool at Hveragerdi
- 19:30 Icebreaker at power plant - Dinner buffet
- 22:00 Bus return from power plant to Radisson Blu Hotel Saga



WEDNESDAY - SEPTEMBER 12TH

INTERNATIONAL CARBON CONFERENCE AT UNIVERSITY OF ICELAND MAIN BUILDING

08:30 - 10:00	Invited talk and overview of networks
10:00 - 10:30	Coffee break
10:30 - 12:00	Invited talks
12:00 - 13:30	Lunch at Hotel Saga
13:30 - 15:00	Invited talks
15:00 - 15:30	Coffee break
15:30 - 17:00	Invited talks
17:30 - 19:30	Posters in Askja
19:30 - 22:30	Dinner in Askja

THURSDAY - SEPTEMBER 13TH

FIELD TRIP (DAY 1) TO EYJAFJALLAJÖKULL (THORSMÖRK-BÁSAR)

8:30	Pick up at Askja, University of Iceland
10:30 - 11:00	Stop at Seljalandsfoss
11:30 - 11:45	Stop at Gígjökull
12:30	Estimated arrival at Básar - Thorsmörk
13:00 - 14:00	Lunch
14:00 - 19:00	Various length hikes
19:00 - 20:00	Appetizers and drinks
20:00 - 22:00	Barbecue and entertainment

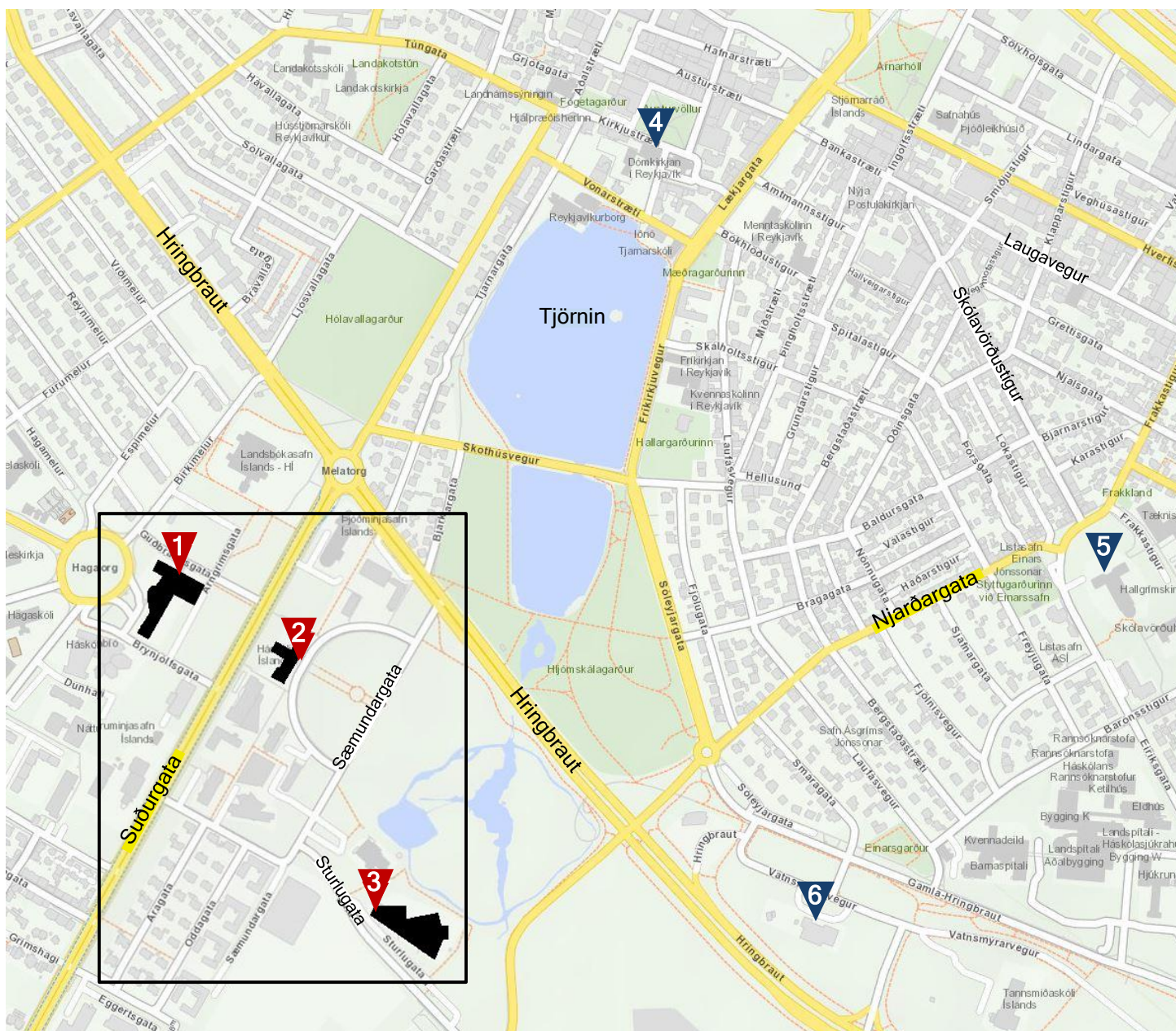
FRIDAY - SEPTEMBER 14TH

FIELD TRIP (DAY 2) TO VESTMANNAEYJAR AND BACK TO REYKJAVÍK

07:00 - 07:45	Breakfast
07:45	Departure from Básar, Thórsmörk
9:45 - 10:20	Ferry to Vestmannaeyjar
10:30 - 12:00	Sightseeing
12:00 - 13:30	Lunch at Einsi Kaldi
14:00 - 17:00	Eldheimar museum (Pompeii of the north) and free time to explore the island by foot
17:00 - 18:00	Light dinner at Einsi Kaldi
18:45 - 19:30	Ferry from Vestmannaeyjar
22:00	Estimated arrival in Reykjavík

Practical information

CONFERENCE LOCATION



ICC 2018 will be held at Radisson Blu Saga Hotel Reykjavik (network meetings and lunch), University of Iceland - Main building (conference) and University of Iceland - Askja (poster session). Link to the online version of this map can be found [here](#).



Radisson Hotel Saga



University of Iceland, Main building



University of Iceland, Askja



Parliament










Hallgrímskirkja



BSÍ bus station

HOTEL SAGA

Networks location, September 11th

	Deep Carbon Observatory -	Hekla II
	Metal-Aid -	Hekla I
	S4CE -	Esja II
	CarbFix -	Esja I
	Coffee breaks -	Reception
	Lunch -	Súlnasalur
	Breakout -	Askja



HOTEL INFORMATION



- | | |
|-------------------------------------------------------------|-------------------------------------------------------|
| A. University of Iceland, Main building | D. Radisson Blu, Hotel Saga |
| B. University of Iceland, Askja | E. Icelandair Hotel, Reykjavik Natura |
| C. University of Iceland, University square | F. Hotel Reykjavik Centrum |
| | G. Centerhotel Plaza |
| | H. City Center Hotel |
| | I. Apotek Hotel by Keahotels |
| | J. Radisson Blu 1919 Hotel |
| | K. Sunna Guesthouse |

On the figure above you can see hotel suggestions and their locations, more hotels can be found [here](#).

Hotel Saga will offer conference guests a special price:

- Standard double room (for two) with breakfast = 33000 ISK pr. night
- Standard single room (for one) with breakfast = 28900 ISK pr. night

You can cancel the booking until 16:00 the day of check in, without paying cancellation fee. For further information about this deal please contact Linda Bjork Johannsdottir, linda.bjork@radissonblu.com, with the booking number 180911HASK.



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