

The Dynamic Quaternary Geology of Iceland – from past and present glacier dynamics, sediments and landforms to rift tectonics, volcanism and tephrochronology –

Dear Nordic colleagues,

Welcome to the 4th annual NORDQUA excursion in Iceland 4-8 September 2017! The excursion will explore Iceland's dynamic Quaternary geology with focus on past glacier dynamics, glaciotectonics and relative sea level changes, present glacier retreat, sediments and landforms, as well as rift tectonics, volcanism and tephrochronology.



Left: Tephra production during the 2010 Eyjafjallajökull eruption. Right: Distorted glaciomarine sediments of Bølling age beneath littoral gravel at Melabakkar, W-Iceland.

EXCURSION LEADERS

Ívar Örn Benediktsson (ivarben@hi.is), University of Iceland
Esther Ruth Guðmundsdóttir (estherrg@hi.is), University of Iceland
Ólafur Ingólfsson (oi@hi.is), University of Iceland
Hreggviður Norðdahl (hreggi@hi.is), University of Iceland
Þorsteinn Sæmundsson (steinis@hi.is), University of Iceland

*We come from the land of the ice and snow,
from the Midnight sun where the hot springs flow*

Robert Plant, 1970

The 4th annual NORDQUA excursion, Iceland, 4-8 September 2017

EXCURSION PROGRAM

- 3/9 Participants arrive to Iceland and take the Flybus from the Keflavík Airport to Hotel Viking in Hafnarfjörður (www.fjorukrain.is/en/). Participants organize their travel to Iceland individually.
- 4/9 Start of excursion. Departure from Hotel Viking 8:30 am.
Area of interest: **The Reykjanes peninsula.**
Main topics: Quaternary volcanism and rift tectonics, and pre-LGM glacial deposits.
Practical info: Lunch bag provided. Arrival at Hotel Viking in the late afternoon. Dinner.
- 5/9 Departure from Hotel Viking 8:30 am.
Area of interest: **South Iceland:**
Main topics: Icelandic tephrochronology – dating Quaternary environments in Iceland and the North Atlantic Region.
Practical info: Lunch bag and dinner provided. Arrival at Hellishólar Guesthouse (www.hellisholar.is/en/) in the late afternoon. Dinner.
- 6/9 Departure from Hellishólar Guesthouse 8:30 am.
Area of interest: **The Eyjafjallajökull glacier and volcano.**
Main topics: Glacial sediments and landforms and recent glacier retreat, glacier-volcano interaction and natural hazards, tephra and jökulhlaup deposits, ignimbrite and hyaloclastite formations.
Practical info: Lunch bag and dinner provided. Arrival at Hellishólar Guesthouse (www.hellisholar.is/en/) in the late afternoon. Dinner.
- 7/9 Departure from Hellishólar Guesthouse 8:30 am.
Area of interest: **South Iceland.**
Main topics: Younger Dryas/Preboreal termination of the Icelandic Ice Sheet, bedrock intercalated glacial sediments, Holocene glaciofluvial morphology, and rift valley formation.
Practical info: Lunch bag provided. Arrival to Hotel Viking in the late afternoon. Dinner.
- 8/9 Departure from Hotel Viking 8:30 am.
Area of interest: **Borgarfjörður, West Iceland.**
Main topics: Late Weichselian glacier fluctuations, large-scale glaciotectonics and relative sea level changes.
Practical info: Lunch bag provided. Arrival to Hotel Viking in the late afternoon. Dinner. End of excursion.
- 9/9 Participants leave Iceland. Scheduled flybus from Hotel Viking to the Keflavík airport.

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REGISTRATION

The maximum number of participants is 30 and the minimum number is 20. Note that registration will be on a *'first come-first served'* basis, and that the prices are according to a total of 30 participants. A lower number of participants may result in a higher price. The registration deadlines and prices are as follows:

- Before 1 May: EUR 1320
- 1 May – 1 July: EUR 1390
- After 1 June: EUR 1475

This includes all **transport** and **lodging** in Iceland 3-9 September as well as **full board** (breakfast, lunch bags and dinner) during actual excursion days (4-8 September). Participants must organize their travel to and from Iceland individually.

To register, please fill out the attached registration form and email to memo@icelandprotravel.com. Remember: First come, first served!

Registration and logistics (food, transport, lodging) are organized by Iceland ProTravel (www.icelandprotravel.is). Please, direct your questions on these matters to memo@icelandprotravel.com. Questions regarding the excursion program, geology of Iceland etc. shall be directed to the excursion leaders (see email addresses above).

PRACTICAL INFORMATION

Weather: Weather in Iceland may change suddenly and frequently. In recent years, the average daily temperature in early September has been 6-12°C, average windspeed 1.8-12.1 m/s, and average precipitation 0-11.2 mm.

Clothing: Prepare for anything! Rain, sun, wind, calm. Some moderate hiking in rough terrain will be included; please bring proper boots! Hot tubs are accessible at Hellishólar and there is a nice local swimming pool near Hotel Viking in Hafnarfjörður. Naked bathing prohibited, bring swimsuits! And remember sunscreen (yes, you can get sunburned in Iceland ☺).

Accommodation: We will stay in prepared beds. No sleeping bags are allowed (due to risk of bed bugs).

Student participation and ECTS credits: Graduate students are most welcome and specifically encouraged to participate! The excursion will not be set up as a specific course at the University of Iceland but active participation and a field diary should award 2 ECTS. The excursion leaders can provide a description of the excursion and confirmation of active participation and a satisfactory field diary (to be finally checked on the bus) for students to hand in at their home university.



A birch log that was truncated during a Katla jökulhlaup AD 822-823. Drumbabót, S-Iceland.

NORDQUA

3 - 9 September 2017



Ármúli 15, 108 Reykjavík

Tel. +354 510 3600, fax. +354 510 3619

Please send this form to: Fax: +354 510 3619 or E-mail as an attachment to: memo@icelandprotravel.com

Important: please save this form before sending it as an attachment

Surname:	First name:
Company / Institution:	
Address:	
Postcode and City:	
Country:	E-mail:
Telephone:	
Name of accompanying person(s): (use a separate sheet if more than one)	

A. Registration fee - please fill in the appropriate amount	Registration fee	Total EUR
Active participant, included is: r/t airport transfers by flybus, accommodation during program in 2 - 4 bedded rooms, full board, transportation as per program and lecturers for all field trips, taxes	Before 1 May	EUR 1320
	1 May - 1 July	EUR 1390
	After 1 July	EUR 1475

B. Optionals	Persons	Price p. pers	Total
Blue lagoon tour - standard entrance fee included		EUR 55	
Whalespotting tour - daily departures		EUR 80	

C. Hotels	TRUE	FALSE
Hotel Viking - Hafnarfjordur, 3 - 5 and 7 - 9 Sept	fjorukrain.is/en/	
Hotel Hellisholar - South Iceland, 5 - 7 Sept	www.hellisholar.is/en/	

Hotel prices are per night and include breakfast

Arrival date at hotel: _____ Departure date: _____

I want to share room with:

I wish to settle the TOTAL AMOUNT:

I wish to settle the required PREPAYMENT - 20% - for program and optionals

Landsbanki, 101 Reykjavik, Iceland. IBAN number IS73 0130 38 710153 490108 1300
Swift code: NB II IS RE

Kindly charge my VISA / Mastercard (no other cards accepted)
Number: _____ Valid thru: _____

Date: _____ CVC number _____ Signature: _____

Our invoice will be mailed to you within 10 days from receipt of registration

Important: please save this form before sending it as an attachment (memo@icelandprotravel.com)