

ARENA Programme in Iceland 2022 – Draft Schedule **GRÓ GTP, Reykjavík, October 22-29, 2022**

Lectures are scheduled to be given at Orkugardur (Energy House – OS), at Grensásvegur 9, Reykjavík.

LSG: *Lúdvík S. Georgsson*, Director Emeritus, GRÓ GTP
 EG: *Dr. Einar Gunnlaugsson*, former Chief Geologist, Reykjavík Energy
 PV: *Dr. Páll Valdimarsson*, Mech. Eng., Pvald ehf.
 ThJ: *Thorleikur Jóhannesson*, Mech Eng., VERKÍS Eng.
 MÓ: *Málfríður Ómarsdóttir*, Environmental Scientist, GRÓ GTP
 IGH: *Ingimar Haraldsson*, Deputy Director, GRÓ GTP
 BP: *Dr. Bjarni Pálsson*, Engineer, Landsvirkjun - National Power Co.

Saturday Oct. 22.

Arrival of participants, pickup and checking in at rented apartments, Reykjavík.
 Welcome dinner (location around Grensásvegur).

Sunday Oct. 23. – Reykjavík: Geothermal Capital of the World (EG and LSG)

10:00-12:00 Introductory lectures on the development of geothermal utilization in Reykjavík.
 How important is geothermal for Reykjavík?
 12:00-13:00 Packed lunch at Orkugardur
 13:00-17:00 Geothermal and cultural excursion in Reykjavík – including the site of the old Laugardalur hot springs, Laugardalur geothermal wells and pumping station, Perlan storage tanks and exhibition. Ending with geothermal swimming in Laugardalur.

Monday Oct. 24. – Exploring and developing geothermal energy (LSG and PV/ThJ)

09:00-12:00 Introduction to geothermal energy & geothermal exploration (LSG)
 12:00-13:00 Lunch at Orkugardur
 13:00-15:30 Utilization of geothermal energy – development of energy projects (PV)
 15:30-16:00 Discussion (PV and LSG)
 16:00-17:00 Introduction to geothermal development on the Reykjanes Peninsula (LSG)

Tuesday Oct. 25. – Geothermal excursion to the Reykjanes Peninsula (LSG and MÓ)

09:00-18:00 Field excursion, visiting the Reykjanes geothermal field and the tip of the Peninsula, Haustak geothermal fish drying factory. Lunch in Grindavík at Sst.Vör.
 Sightseeing in Grindavík. Visit to HS Energy, and swimming in the Blue Lagoon.

Wednesday Oct. 26. – Assessing low-temp. geothermal resources & possible utilization (PV&ThJ)

09:00-12:00 Direct geothermal use – the thermal calculations.
 12:00-13:00 Lunch at Orkugardur
 13:00-15:30 Production of electricity from low- and medium-temperature geothermal heat.
 15:30-16:30 Discussion (PV, ThJ & LSG)
 Reception hosted by the Canadian Embassy in Iceland

Thursday Oct. 27. – Geothermal and cultural excursion to the Southern Lowlands (LSG and PV)

08:00-20:00 Hellisheidi Power Plant, Set Pipe factory, CO₂ production from geothermal wells at Haedarendi. Packed lunch. Visiting commercial geothermal greenhouses at Flúdir (Melar tomato farm) and Reykholt (Espiflöt flower farm). LT-electrical production (Flúðaorka – Climeon) at Kópvatn. The Gullfoss waterfall, Geysir HT field, Thingvellir National Park.

Friday Oct. 28. – Environmental and regulatory aspects of geothermal development – Hydropower development in Iceland

09:00-12:00 Lectures on the environmental side and regulatory aspects of geothermal development (MÓ and IGH)
 12:00-13:00 Lunch at Orkugardur
 13:00-15:30 Developing hydropower in Iceland with emphasis on small/micro scale (BP)
 15:30-16:30 Discussion (BP & LSG)

Saturday Oct. 29. – *Developing your resources – Closing of the Iceland session* (LSG & PV)

- 09:00-12:00 Presentation of status of projects being carried out under the ARENA umbrella.
- 12:00-13:00 Light (packed) lunch at Orkugardur
- 13:00-15:00 An interactive session on the week in Iceland and generally on the ARENA programme
- 15:00-19:00 Free time
- 19:00 Closing Buffet Dinner hosted by the Ministry for Foreign Affairs – location to be decided.

Sunday Oct. 30 – *Departure day*