

ESMAP EVENT

GEOTHERMAL ENERGY: EMPOWERING DEVELOPMENT BEYOND ELECTRICITY GENERATION

Reykjavik, Iceland | May 28-30, 2024

BACKGROUND

The Energy Sector Management Assistance Program (ESMAP) supports geothermal energy through two programs: Accelerating Decarbonization (AD) and the Sustainable Renewable Energy Mitigation Initiative (SRMI), as outlined in the FY21-24 business plan. These initiatives aim to cultivate a pipeline of sustainable geothermal projects, recognizing its pivotal role in electricity generation, heating, and cooling. Emphasis has been placed on providing upfront support to mitigate risks and foster the development of sustainable projects.

ESMAP will host a side event at the International Geothermal Conference (ICG) in Reykjavik from May 28-30, 2024. The conference, themed "Recreate Your Society – Geothermal for All," will be organized by the Icelandic Renewable Cluster. Bringing together experts from around the globe, the conference will address issues of particular relevance to the geothermal sector.

The objective is to: (a) share knowledge and experiences; (b) disseminate two reports: *Direct Utilization of Geothermal Energy (FY2023)* and *“Geothermal Energy: Unveiling the Socioeconomic Benefits (FY2024)”*; and (c) share insights into how the World Bank develops and supports geothermal projects.

TARGET AUDIENCE

- The event will host participants from countries showcased in ESMAP publications and countries with previous or existing projects.
- Government officials, policymakers, and companies involved in geothermal.

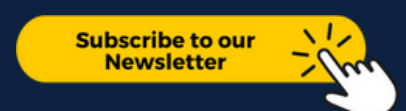
ABOUT ICG

The Iceland Geothermal Conference (IGC) has been one of the most attended events in the geothermal world, now in its 5th time in Reykjavík, Iceland. IGC 2024 is hosted by the Iceland Renewable Energy Cluster in partnership with its members and international players. The conference will explore how geothermal solutions are not only reshaping urban landscapes but also reducing carbon footprints to zero. It is an exceptional platform for pioneers, thought leaders, and visionaries in the geothermal energy sphere.

“THE EVENT FOCUSES ON FOUR PARALLEL STREAMS OF GEOTHERMAL ENERGY, EMPHASIZING ON SECURITY AND STABILITY; SUSTAINABILITY AND INNOVATION; VIABILITY AND PROFITABILITY AND GEOTHERMAL FOR ALL.”

ABOUT ESMAP

The Energy Sector Management Assistance Program (ESMAP) is a partnership between the World Bank and over 20 partners to help low- and middle-income countries reduce poverty and boost growth through sustainable energy solutions. ESMAP’s analytical and advisory services are fully integrated within the World Bank’s country financing and policy dialogue in the energy sector. Through the World Bank Group (WBG), ESMAP works to accelerate the energy transition required to achieve Sustainable Development Goal 7 (SDG7) to ensure access to affordable, reliable, sustainable, and modern energy for all. It helps to shape WBG strategies and programs to achieve the WBG Climate Change Action Plan targets.





LOCAL WEATHER



The average temperature in Iceland in May is 7 °C. Whereas the average at the warmest part of the day is a surprisingly comfortable 10 °C, with the average low being 4 °C. *Rain is expected.*

DRESS CODE



Formal to casual office business attire.

- Wear warm clothes – fleece/wool - sweater.
- Water and wind proof outer layers.
- Comfortable waterproof shoes, esp. for field trips.
- Hat/gloves/scarfs/warm socks.

MEALS



Breakfast will be provided in the hotel.
Morning and afternoon coffee breaks.
Lunch will be served on May 28, 29, and 30.

Please let us know if you have any dietary restrictions.

WORLD BANK



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LOCAL TIME

GMT (UTC +0)



EVENT VENUE

Harpa Concert Hall and Conference Center
101 Reykjavík, Iceland

The venue of IGC 2024 is Harpa Concert Hall and Conference Center in Reykjavik. The building is an ideal venue for various events, including international conferences, conventions with accompanying trade shows, as well as meetings. Harpa complies with the highest Icelandic thermal performance standards. Its advanced insulation and air-tight construction make it one of the greenest conference centers in the world. These elements play a key role in minimizing energy use for heating and cooling, thereby reducing the carbon footprint.

SAFETY

No matter where in the world you find yourself, it is important to be vigilant of your surroundings. We urge visitors, delegates and clients to the city to be cautious and observant of their surroundings to stay safe and secure no matter where they find themselves.



For safety reasons you are not allowed to hike to the active volcano. Please avoid the area.

**LOCAL
EMERGENCY
NUMBER**



112

NEARBY HOTELS



Event participants are staying at two nearby hotels, both within walking distance to the event venue.

FOSSHOTEL BARON***

Address: Baronsstígur 2 – 4, 101 Reykjavík

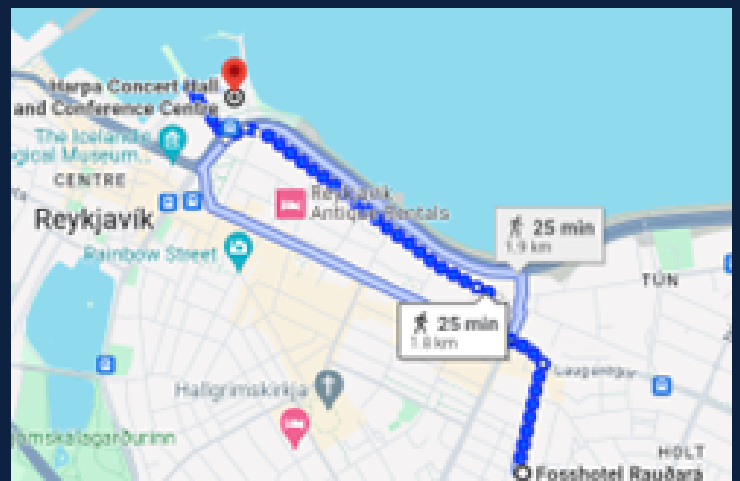
15 min walk to Harpa Concert Hall & Conference Center



FOSSHOTEL RAUÐARÁ***

Address: Rauðarárstígur 37, 105 Reykjavík

25 min walk to Harpa Concert Hall & Conference Center



PRACTICAL INFORMATION

Iceland uses the standard Europlug socket with two round prongs. For these plugs, you can use adapter types "C" or "F". These are often labelled as a Northern Europe adapter.



CURRENCY

The currency is Icelandic Krona. Exchange rate as of May: US\$1 = ISK: 138.36
(May 20, 4:27 PM UTC)

DOWNLOAD OFFLINE MAPS

Apple Store Options: Google Maps ([Download](#))

Android Options: Google Maps ([Download](#))

AIRPORT TRANSFER

AIRPORT TRANSFERS WILL BE PROVIDED BY THE ORGANIZATION

**FOR ANY INQUIRY REGARDING
ACCOMMODATION OR TRANSPORTACION
PLEASE CONTACT:**

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AGENDA

TUESDAY, MAY 28, 2024

Date/Time	Agenda descriptions	Presenter/panelist
08:30–08:35	Welcoming Remarks	Steingrímur Sigurgeirsson, Ministry of Foreign Affairs
08:35-08:45	Direct Utilization of Geothermal Energy	Carine Chatenay, Verkis
08:45–08:55	Geothermal Energy: Unveiling the Socioeconomic Benefits	Stephanie Pinnington, World Bank
8:55 – 10:00	Panel discussion: Empowering Development Beyond Electricity Generation	
Moderator: Elin Hallgrimsdottir, World Bank		
Panelist: Rósbjörg Jónsdóttir, Icelandic Renewable Energy Cluster Marit Brommer, International Geothermal Association Stephanie Pinnington, World Bank Carine Chatenay, Verkis		
Case studies		
10:00-10:10	El Salvador – LaGeo’s Plan to Improve Gender Equality in the Geothermal Workforce	Bertha Arenivar, LaGeo
10:10-10:20	Kenya – Oserian’s Experience of Spearheading a Geothermal Industrial Hub in Kenya Presentation with Q&A	Fredrick Apollo, Oserian Development Company
10:20-11:00	Coffee	
11:00-11:10	Mexico – Advancing Geothermal Direct Use for Sustainable Food Production and Food Security	Hector Aviña, Universidad Nacional Autónoma de México (UNAM)
11:10-11:20	Indonesia – A Model for Sharing Benefits with Local Communities	Ismoyo Argo, Supreme Energy
11:20-12:35	Panel discussion: Insights into Progress: Case Studies on Geothermal Impact	
Moderator: Stephanie Pinnington, World Bank		
Panelist: Bertha Arenivar, LaGeo Fredrick Apollo, Oserian Development Company Hector Aviña, UNAM Ismoyo Argo, Supreme Energy		
12:35-12:45	World Bank Engagement in Geothermal: Prospects in Latin America and the Caribbean	Laura Berman
	Closing Remarks	
12:45–13:00	Family Picture	
13:00	Lunch hosted by the World Bank at the Harpa Conference Center	

Site Visit to FT1 Geothermal Park: Hellisheiði Power Plant



About the Site

A great opportunity to learn about the opportunities the geothermal resource can give each society. Visit to The Geothermal Park, located at Hellisheiði is a platform for companies who are interested in using clean renewable resources for their vision. The Park has a wide range of operations and its aim is to utilize geothermal resources with the mindset of waste-to-value, benefiting the environment and creating value. Innovation is the key towards creating a brighter and cleaner future. Highlights of the visit is exploration at the Hellisheiði Geothermal Park, renowned for its esteemed companies such as ON Power, Carbfix, Climeworks, and VAXA Technologies.

Site Visit to FT2 Cascading Use of Geothermal: Friðheimar



About the Site

Focus on FT 2 is to learn about the cascading use of Geothermal. A visit to the amazing geothermal Friðheimar, an unique farm in Iceland, best known for its large-scale geothermal greenhouses where they grow tomatoes all year round, using the country's abundant geothermal heat. Friðheimar is also a great example for how the different industries are interacting. From Friðheimar we will visit the Kópsvatn Power Plant operated by BaseLoad ehf operates a power plant that uses cascading principles, utilizing approximately 120°C hot water to generate electricity (steam from low-temperature distillation fluid, reused) and the remainder goes as hot water (about 80°C) into the Hrunamenn district heating.