



Japan Iceland Geothermal Forum 2010

Geothermal Cooperation Possibilities of Japan and Iceland

Geothermal Development and Financing - Challenges turned into opportunities

16th of November, 2010
United Nations University

Morning Session

Development and Challenges of Geothermal Utilization in Japan and Iceland

Moderator Dr. Sachio Ehara, Chairman of the Geothermal Research Society of Japan and Professor at Kyushu University

Key questions to be addressed in the morning session:

1. What are the challenges of geothermal utilization in Japan and Iceland?
2. What are the possibilities of further geothermal development in Japan and Iceland?
3. What is the role of governments in the development of geothermal energy?
4. Why do Icelandic companies use Japanese turbines?
5. What are the combined strengths of the Japanese and the Icelandic model?

09:00 – 09:05	Welcoming Address Ambassador Stefán Lárus Stefánsson
09:05 – 09:15	Keynote Address from a high-ranking official from the Japanese Government
09:15 – 09:35	Keynote Address by Iceland's Minister of Foreign Affairs and External Trade H.E. Mr. Össur Skarphéðinsson
09:35 – 09:55	Presentation by Japan's Ministry of Economy, Trade and Industry (METI) Speaker : To Be Decided
09:55 – 10:15	Icelandic geothermal framework Dr. Guðni A. Jóhannesson, Director General, National Energy Authority
10:15 – 10:35	Development and challenges of geothermal utilization in Iceland Dr. Helgi Þór Ingason, CEO of Reykjavik Energy
10:35 – 10:45	Coffee Break
10:45 – 11:00	Case study of a geothermal power plant in Japan Speaker from Kyushu Electric To Be Decided
11:00 – 11:20	Case study of geothermal power plants in Iceland - The 303 MW Hellisheiði & 120 MW Nesjavellir-power plant Mr. Sigurður St. Arnalds, Chairman of Mannvit Engineering
11:20 – 11:40	Case study of geothermal power plants in Iceland - 100 MW Reykjanes & 70 MW Svartsengi-Power plants Mr. Gunnar Ingi Gunnarsson, Chairman of Verkis Engineering
11:40 – 12:10	What are the combined strengths of Japan and Iceland? - Round table discussion Participants: Hirofumi Muraoka, Ph.D, Professor at Hirosaki University North Japan Research Institute for Sustainable Energy Mr. Takao Maeda, Chairman, Japan Geothermal Developer's Association Speakers from the morning session
12:10 – 13:15	Lunch



Afternoon Session

Joint Development and Financing of Geothermal Power Plants in Developing Countries

Moderator Mr. Toshiro Nishizawa, Japan Center for International Finance (On a leave from JBIC)

Key questions to be addressed in the morning session:

1. What is the new electricity capacity need in developing countries and how much can geothermal energy be used to address this need?
2. How can geothermal projects be financed and how to mitigate the risk?
3. What are the main obstacles in the development and construction of geothermal power plants in developing countries and how can they be overcome?
4. What are the role of development banks and financial institutions such as JBIC, JICA, NEXI and IFC?
5. Could Iceland and Japan jointly develop 1.000 MW of Geothermal power plants for \$3.5 - 4 billion in the next 10 years in the developing countries?

13:15 – 13:35	Global geothermal opportunity Dr. Ingvar Birgir Friðleifsson, Director of United Nations University's Geothermal Training Program in Iceland
13:35 – 14:00	The main obstacles in the development and construction of geothermal power plants in developing countries Mr. Guðmundur F. Sigurjónsson, CEO of Envent
14:00 – 14:20	Potential and barriers of geothermal energy -For climate constraint and energy constraint Mr. Takashi Hongo, Special Advisor, Head, Environment finance engineering department Japan Bank of International Cooperation (JBIC)
14:20 – 14:40	JICA's activities in geothermal development– Achievements & prospects Ms. Kyoko Kuwajima, Director General, Industrial development department, Japan International Cooperation Agency (JICA)
14:40 – 15:00	Presentation by Nippon Export and Investment Insurance (NEXI) Mr. Takeshi Miki, Executive Director, Structured and trade finance Insurance Department, Nippon Export and Investment Insurance (NEXI)
15:00 – 15:15	Coffee Break
15:15 – 15:35	Presentation by International Finance Corporation Mr. Shinji Yamamoto, Chief Investment Officer, Infrastructure Department, International Finance Corporation (IFC)
15:35 – 16:00	Case study of a project in Djibouti, African Rift Valley Mr. Kristján B. Ólafsson, Senior Financial Analyst, Reykjavik Energy
16:00 – 16:50	Joint development and financing of geothermal power plants in developing countries - Could Iceland and Japan jointly develop 1.000 MW of Geothermal power plants for \$ 3.5 - 4 billion in the next 10 years in the developing countries? - Round table discussion Participants: Speakers from the afternoon session
16:50 – 17:00	Closing remarks on Japan Iceland Geothermal Forum 2010 Mr. Haraldur Flosi Tryggvason, Chairman of Reykjavik Energy
17:30 – 19:00	Reception