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 Welcome 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. Óssur 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 Resarch 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 Froðleifsson, 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