

ICELAND GEOTHERMAL CONFERENCE

The geothermal value chain

MARCH 5-8, 2013





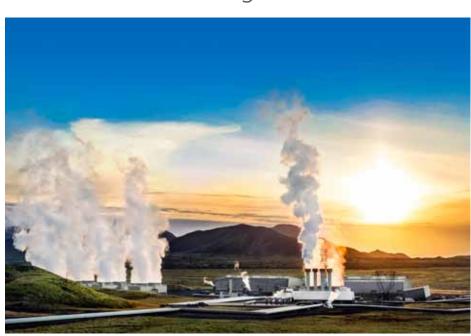
Field Trips

Wednesday March 6, 13:30-18:00

Bus departure from Harpa Conference Centre at 13:30 Registrations is required - further information at the registration desk

Field trip - The Geothermal Area of Hengill

The volcano Hengill, an active volcanic ridge is situated in southwest of Iceland. Hengill is still active, evidenced by numerous hot springs and fumaroles, but the last eruption occurred approximately 2000 years ago. The volcano is an important source of energy for the south of the country, which is captured at the Nesjavellir geothermal plant and Hellisheiði power station. Both stations are operated by Reykjavik Energy, OR. Hellisheiði Geothermal Plant is situated at Hengill, an active volcanic ridge in SW Iceland. The plant's purpose is to meet increasing demand for electricity and hot water for space heating in the industrial and domestic sectors. Production capacity of electricity is 303 MW and 130 MW of thermal energy.



Field trip - Resource Park of Reykjanes



The resource park of Reykjanes, is located on the Reykjanes peninsula. The Resource Park in Svartsengi was first defined in 1988-1989, although it can be said that its operation started a decade earlier, or in 1977, when the Sudurnes area's Heating Utility (now HS Orka) started production of electricity using geothermal steam. The power plant in Svartsengi was one of the first geothermal power stations in the world to produce both electricity and hot water for heating houses. Roughly the idea behind the Resource Park is that all resources that are in place, be it subjective or objective resources, are linked and used completely and responsibly, be it the nature, air, lava, water, weather, solar energy, the darkness, the land, transportation or others. Mr Albertsson has defined the Resource Park thusly: "Multiple combinations of different resources, subjective and objective." The goal is to use the region's resources in the most practical or best way and without waste. This can be used as a blueprint for sustainable development.

Address by the Conference Committee

Dear all - Welcome to the Iceland Geothermal Conference 2013!

For centuries Icelanders have utilised geothermal heat to make the cold island a better place to live. The early settlers used the geothermal waters for bathing and washing and quite a few priests got a saints status after blessing a hot pool that later proved to have healing powers.

With the introduction of piping material by the early 20th century, the *District Heating Revolution* started. Homes, hospitals, schools and businesses were connected to hot springs and soon swimming pools were built around the country to improve swimming skills of fishermen. Currently, over 90% of Iceland's homes are connected to geothermal district heating systems and annual savings for using geothermal energy, rather than oil for heating of houses is of the order of 5% of GPD.

Electrical power has been produced by geothermal energy in Iceland since the 1960's. However, the **Power Revolution** really started in the mid 1990's. Quality of the resource, efficient geothermal drilling, cascaded usage and the right balance in local and imported skills has made geothermal power production in Iceland competitive to hydro supporting power intensive industries.

The geothermal industry in Iceland continues to develop to meet the needs and demands for the future. Although geothermal is generally considered a clean source of energy, there is still space for improvement; reducing release of geothermal gasses to the atmosphere, minimize footprint and visibility impact and avoid risk of earthquakes to mention a few. Perhaps the greatest challenge is still to improve the energy efficiency of the utilization. We are on the brink of the third revolution, the *Environmental Impact Revolution*.

From the beginning of geothermal utilisation in Iceland, we have looked for the best solutions all over the world, not been afraid to seek for improvements and never hesitated to share our experience – no matter if we succeed or fail. As the geothermal industry in Iceland has initiated a geothermal cluster, one of our first tasks was to set up a tri-annual geothermal event, based in Iceland. Our aim is to host an event that is fourfold and combines a conference, fieldtrip/showcase, exhibition and business brokerage. This we do by attracting the best of Icelandic geothermal and the best of geothermal in the world.

The topics cover the essence of the geothermal value chain.

Exploration:

How to understand the nature of the resource?

Realization:

How to make it happen?

Utilization:

How to make value from the resource?

We sincerely hope you all will learn from this event, develop new ideas, build valuable relationships and contribute to the development of geothermal for the future.

Welcome to Iceland – the home of geothermal!

The Conference Committee of IGC 2013

Bjarni Pálsson, conference chair Arnar Guðmundsson, Benedikt Höskuldsson, Friðrik Ómarsson, Jakob S. Friðriksson, Vilhjálmur Guðmundsson

Conference Management

Hákon Gunnarsson, Rósbjörg Jónsdóttir



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Iceland Geothermal Conference – IGC 2013 is the result of the Iceland Geothermal Cluster Initiative that started originally in October 2009. After mapping the geothermal cluster in Iceland in collaboration with the Icelandic consultancy Gekon, Professor Michael Porter and his team at Harvard Business School recommended an optimal path to take to strengthen the infrastructure within the geothermal sector in Iceland. In a workshop held in Reykjavik in May 2011 the idea of an international conference in the name of the cluster cooperation came up. A steering committee was formed and after extensive research it was decided to create an international event, Iceland Geothermal Conference and that it should take place in Reykjavik, Iceland during spring time every third year. The first one will be held in 2013 and take place in Harpa on March 5–8. The keywords of the conference are Exploration - Realization - Utilization which refer to the key aspects of geothermal energy projects and their value chain.

The overall theme of the Iceland Geothermal Conference is to share effective exploration methods, learn how to maximize the utilization of geothermal energy from veterans and explore ways to realize geothermal projects with less risk and higher profitability.

The special position of IGC 2013 consists in the proximity to the geothermal areas, easy access to Icelandic geothermal experts, hand-selected speakers from all around the world, who ensure the quality of the content of the conference and first-class facilities.

The conference topics reflect three main trends all of which address different areas of geothermal projects, i.e. geothermal exploration and prospecting (Exploration), the realization of geothermal projects (Realization) and finally multi-utilization (Utilization).

During the conference program, among other things a field trip will be offered to nearby geothermal areas in order to enhance the event experience. Concurrently with the conference an exhibition area will be set up where cluster members get the opportunity to promote their services and expertise. In addition, a brokerage event will be offered where the buyer and seller get the opportunity to establish business and/or relationships which could conceivably lead to new projects.

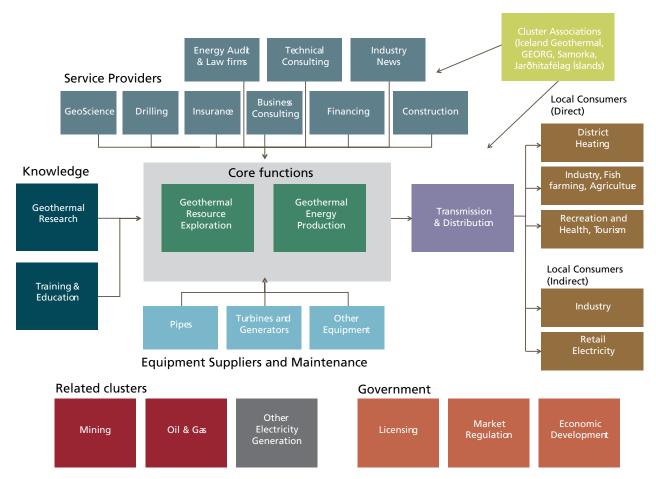
IGC 2013 brings together respected experts from all around the world and provides opportunities for networking and exchange of knowledge in all fields of the geothermal value chain.

The next Iceland Geothermal Conference will be held in April 2016.

geothermalconference.is

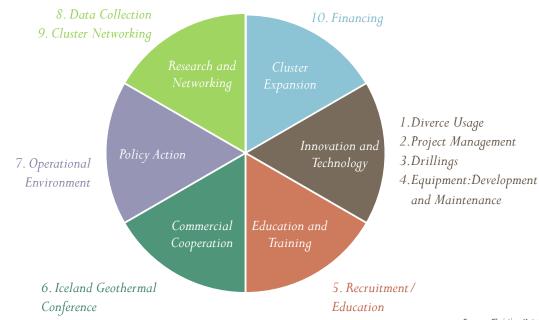


The cluster map of the Icelandic geothermal cluster



Source: Michael Porter, Christian Ketels 2010.

The 10 cooperation projects of the Iceland Geothermal cluster initiative



Preface

In 2009 Albert Albertsson deputy CEO of HS Orka Ltd was asked to give Prof. Michael E. Porter from Harvard Business School, a worldwide authority on strategy and competitiveness and his daughter a short guided tour through the combined heat and power (CHP) geothermal power plant at Svartsengi. A typical guided tour takes around 30 to 40 minutes. The guided tour, lasting for two hours commenced with discussions about the resource park concept of the company. The concept is about integrated usage of all available objective and subjective resources and to strive for no waste in society. After vivid discussions, Prof. Porter presented Mr. Albertsson with a copy of his book On Competition and said that the resource park concept was a good strategy. The inspiring discussion urged Mr. Albertsson to read the book, which convinced him that the Icelandic geothermal industry had all the basic building blocks needed to establish a strong geothermal industry cluster. Prof. Porter having a keen interest in an Icelandic geothermal industry cluster was contacted by Mr. Hákon Gunnarsson founder of Gekon, a consultancy, in order to investigate whether Prof. Porter could assist in establishing a geothermal initiative cluster in Iceland. To make a long story short, on November 1st 2010 the geothermal cluster concept was introduced to a broad interdisciplinary Icelandic audience. At the introductory meeting Prof. Porter, it was clearly spelled out that the Icelandic geothermal industry, its supporting industry, the local human resources and the national legal framework was a profound base for establishing a strong and effective geothermal industry cluster.

Since November 1st 2010 much work has been done under auspices of a steering committee in founding the geothermal cluster. Two workshops defined 10 ambitious projects dealing with development of the cluster, innovation and technology, education and training, joint marketing effort of geothermal know how, working procedures and mechanical components, legal authorities and working condition in the industry and research and interaction of the stakeholders. Final reports of the project groups are underway. On February 15th a formal organization "Iceland Geothermal klasasamstarfið" (IG) was founded on the grounds of the steering committee's fundaments. There are now almost 50 members in the organization and the number is growing rapidly. There are universities and technical schools, research institutes, consulting companies, industrial workshops, drilling company, power companies, geothermal off takers, power transmission companies, banks and financial institutions, geothermal entrepreneurial company and industrial and worker unions. Finally, an agreement between the board of the IGK and the government of Iceland has been signed where the government is giving a support to various projects within the cluster.

The Iceland Geothermal Conference 2013 marks a turning point and the last step in formalizing the Icelandic Geothermal Cluster. World renowned keynote speakers, lecturers from all over the world, interdisciplinary participants, businesslike field trips, exhibitions and brokerage events in a way frame in the future activity of the Icelandic Geothermal Cluster. The international flavor of the conference sets the geothermal industry in global perspective. In times of climate change and nations' worldwide strive for increasing the share of renewable energy in their energy demand, the conference dealing with exploration, realization and utilization highlights the urgent need for increased understanding of the nature of geothermal resources, potential geothermal sites worldwide, the status of the geothermal industry, its development potential, its potential future share in renewable energy supply worldwide and its business opportunities for the members of the cluster.

May the Iceland Geothermal Conference 2013 be a venue for friendship, instructive transfer of knowhow and for initiating fruitful cooperation of participants and participating companies.

The Board of the Iceland Geothermal cluster initiative 2013-2014

Albert L. Albertsson chairman, HS-Orka Eyjólfur Árni Rafnsson vice chairman, Mannvit

Guðmundur Ingi Ásmundsson, Landsnet Hildigunnur Thorsteinsson, Reykjavík Energy Hjörtur Steindórsson, Íslandsbanki Hörður Arnarson, Landsvirkjun, National Power Company Stefán Pétursson, Arion banki Sveinn Ingi Ólafsson, Verkís Unnar S. Hjaltason, VHE

Observing members

Sigurður M. Garðarsson, University of Iceland/GEORG, Geothermal Research Group Porsteinn Ingi Sigfússon, Innovation Iceland

Project Manager: Þóra Margrét Þorgeirsdóttir, Gekon



Patron of IGC 2013

A Greeting from the President of Iceland

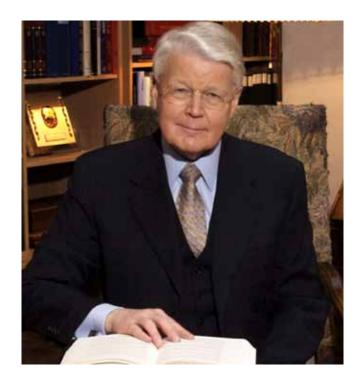
In recent decades, Iceland has been fortunate to advance geothermal energy to the benefit of homes, communities, and indeed the entire nation, to build a solid foundation for our economy and to create multiple new business opportunities. The country has consequently become the primary location where the promise of a geothermal future can be witnessed at first hand.

We therefore welcome all of you to this inspiring conference, invite you to join the dialogue and to participate in constructive endeavours

The geothermal sector has in many ways become a major pillar of Iceland's global position, of its foreign policy and its diplomatic efforts.

The United Nations Geothermal Training Programme, hosted here, has strengthened the capabilities of more than 40 developing countries, and our energy companies and engineering firms have participated in geothermal projects in China, India, East-Africa, Central-America, western and eastern Europe, the Middle-East, Russia, and the United States.

It has been an important part of my Presidency to promote such cooperation, especially since the threat of irreversible climate change makes it now our moral duty to help others to move towards a more sustainable future.



Olafur Ragnar Grímsson

Dr. Össur Skarphéðinsson, Minister for Foreign Affairs

Dear friends,

On behalf of the Government of Iceland, I heartily welcome you all to the Icelandic Geothermal Conference.



You are visiting the northernmost capital in the world, on the edge of the Arctic Circle, where the tectonic plates of North America and Eurasia meet. Wrestling the forces of nature is an ingrained part of every Icelander's identity and daily life. We respect the elements, but we have also learned to harness the power of the erupting earth and tried to turn it to our advantage - in the form of geothermal energy.

The energy transformation that Iceland has undergone provides lessons for other countries. For almost 35 years we have made our scientific and technical experience available to the rest of the world through the United Nations University Geothermal Training Program. The establishment of the

Icelandic Geothermal Cluster is also an important milestone because geothermal energy can only be utilized through extensive cooperation between the public and private sectors. I applaud the Cluster for taking the initiative to organize this important conference and we at the Foreign Ministry are proud to support it.

During my tenure as Minister for Foreign Affairs I have placed special emphasis on promoting geothermal utilization around the world. It is also a contribution from Iceland to the global efforts to address climate change and to Sustainable Energy for All. We have entered into a productive partnership with the World Bank to push for geothermal in the Great African Rift Valley and we are moving ahead to develop our collaboration with the International Renewable Energy Agency (IRENA).

It is my sincere hope that this event becomes another important piece of the puzzle to galvanise a global alliance for geothermal utilization and that Iceland's experience inspires our friends from different corners of the world. I wish you a productive conference and a delightful stay in Iceland.

Keynote Speakers

Mr. Bjarni Bjarnason

Chief Executive Officer, Reykjavik Energy



Bjarni has been active within the energy sector in Iceland and internationally for three decades. Before joining Reykjavik Energy, Bjarni was ten years with Landsvirkjun as EVP for power production and power sales. He has also served on other CEO posts, including the power intensive industries of Elkem in Iceland. Bjarni holds a BSc. in geology and a Technical Licentiate in rock engineering from the University of Luleå, Sweden. Bjarni has

served on a number of Boards of companies and organizations in Iceland and overseas. Among those is the Vice President post of the Board of Directors of IHA, the International Hydropower Association, focusing on the sustainable development of hydropower globally.

Dr. Jefferson W. Tester

Professor, Cornell University



Dr. Tester is the Croll Professor of Sustainable Energy Systems in the School of Chemical and Biomolecular Engineering at Cornell University. He also serves as Director of the Cornell Energy Institute and Associate Director for Energy in the Atkinson Center for a Sustainable Future. Prior to his appointment at Cornell in 2009, Dr. Tester was the H.P. Meissner Professor of Chemical Engineering at the Massachusetts Institute

of Technology and served as Director of MIT's Energy Laboratory for 12 years (1989-2001). While at MIT, Professor Tester chaired an 18-member international panel that evaluated the long term geothermal potential of the US, resulting a major report in 2007– The Future of Geothermal Energy. Dr. Tester was the US representative for geothermal energy to the IPCC working group which evaluated the global potential of renewable energy. He has published extensively in the energy field having co-authored over 220 research papers and 10 books, including two books on geothermal energy technology and a popular energy textbook – Sustainable Energy – Choosing Among Options.

Dr. Sri Mulyani Indrawati

Managing Director, The World Bank Group

Ms. Sri Mulyani Indrawati is the managing director at the World Bank and responsible for the institution's global operations as well as knowledge products in the thematic areas of human development, sustainable development, poverty reduction and economic management, and financial and private sector development. In addition she oversees other administrative vice-presidencies and functions, including the



Integrity Vice Presidency, Sanctions Board Secretariat and the Office of Evaluation and Suspension. Ms. Indrawati joined the World Bank in June 2010. Previously she served as Indonesia's minister of finance in addition to being the coordinating minister of economic affairs. During that time she guided the economic policy for one of the largest countries in Southeast Asia, and one of the biggest states in the world, navigating successfully the global economic crisis, implementing key reforms, fighting corruption and earning the respect of her peers across the world. She is credited with helping to steer Indonesia through the challenging but successful transition from autocracy to democracy. Ms. Indrawati led the Indonesian National Development Planning Agency prior to her position as finance minister. During that time she coordinated the government and international reconstruction effort following the devastating 2004 tsunami. Ms. Indrawati holds a Ph.D. in Economics from the University of Illinois and a B.A. in Economics from the University of Indonesia.

Mr. Günther H. Oettinger

EU Commisioner for Energy

Günther H. Oettinger is European Commissioner for Energy since February 10, 2010. From 2005-2010, he was Prime Minister of Baden-Württemberg (Germany) and, since 1984, a member of the regional Parliament (Landtag). He was the leader of the CDU Landtag group from January 1991 to April 2005. A lawyer by training, Günther H. Oettinger became actively involved in politics during his adolescence. He is a member of



the Federal Executive Committee and of the Steering Committee of the CDU Deutschlands.

Plenary Sessions Moderator



Mr. Orri Hauksson

The Federation of Icelandic Industries

Orri Hauksson is the Managing Director of the Federation of Icelandic Industries. He holds a MBA degree from Harvard Business School and a Mechanical Engineering degree from the University of Iceland. He has held various business development, management and board positions in his career. He was the political adviser to the Prime Minister of Iceland 1997-2000. He served as Vice President responsible for R&D, business development and M&A at Síminn, Iceland's incumbent telecommunications operator. Later he became an investment manager at Novator Partners LLC, focusing mostly on telecoms, energy and clean tech investments. Orri has served on numerous corporate boards in Finland, Sweden, USA, in the aforementioned fields.



Key Supporters

Landsvirkjun

Landsvirkjun is a leader in the sustainable use of renewable energy sources and is one of the ten largest producers of renewable energy in Europe. Our success is built upon a constant drive to develop our expertise in the field and a commitment to working in harmony with nature and society.

Landsvirkjun is owned by the Icelandic state and generates 73% of all electricity used in Iceland. We operate 15 power stations all over Iceland, in five areas of operation and only generate energy from renewable energy sources such as hydroelectric and geothermal power.

Our 16th power station, Búdarháls Power Station, is in the process of being built and will begin operation in 2013. In 2012, our total electricity generation was 12,190 GWh.



Mannvit

Mannvit is an international consulting firm offering comprehensive engineering, consulting, management, operational and EPCM services. Mannvit, which was founded in 1963, has played a leading role in geothermal energy development in Iceland and amassed vast experience and expertise in all phases of geothermal power plant development. Orkuveita Reykjavikur's Hellisheidi and Nesjavellir geothermal power plants are proud examples of Mannvit's work in the field.



Mannvit offers a comprehensive suite of design and consulting services that can take a project from start to finish. The services range from exploration of high- and low-temperature geothermal fields and designing flash steam power plants that produce electricity and hot water for district heating to the design of geothermal power plants that produce electricity utilizing low-temperature geothermal fluid via binary cycle.

Mannvit offers its clients the full range of services in each phase of geothermal development. The Mannvit Geothermal Exploration Team comprises highly trained professionals across all relevant disciplines, e.g. geology, geochemistry and reservoir modeling, capable of carrying out geothermal exploration under diverse conditions. Drilling is the riskiest project phase and project developers are aware of the importance of risk mitigation; therefore it is vital to acquire drilling services from experienced consultants. Mannvit offers over 40 years of experience in geothermal drilling engineering as well as acting as the client's representative during third party drilling.

Orka Energy

Orka Energy (ORKA) is an investment, development and operating company specialized in harnessing geothermal resources for electricity production and district heating. With operations in Singapore, China, the Philippines and Iceland, ORKA is founded on Iceland's long history of geothermal utilization, advanced technologies and operational know-how. Iceland is the world leader in geothermal utilization where almost all primary energy consumption is served by using clean, sustainable energy sources. The principal goal of ORKA is to develop and operate diverse geothermal assets in Asia.

Sinopec Green Energy Geothermal (SGEG) is a Sino-Icelandic joint venture between ORKA and Sinopec Star Petroleum Co., Ltd. (SINOPEC). SGEG combines in-depth knowledge of China's geothermal resources and Icelandic experience in the construction and operation of geothermal district heating systems. The primary focus of SGEG is to develop state-of-the-art geothermal heating systems in Greater China. With current service capacity of over 6 million square meters, SGEG has grown into the largest geothermal district heating company in China.

ORKA is the owner and developer of one of the most advanced geothermal concessions in the Philippines, located on the island of Biliran in the Eastern Visayas region. With three wells already tested and proven for utilization, ORKA has launched a development plan aimed to commence power production at the end of year 2015. The first phase of this project involves construction of a 50 MW power plant, then shortly to be followed up with building additional geothermal power generation capacity of 50-100 MW.



Iceland Drilling Company

Iceland Drilling Company (IDC) is a geothermal drilling contractor offering integrated drilling services to geothermal power producers worldwide. With new high tech rig fleet specially designed with focus on safe- and hands off operations and small footprint. The rig fleet is designed and capable of drilling big diameter geothermal wells with adequate blow out control equipment to handle various reservoir issues that can occur while



harvesting geothermal energy from various types of reservoirs. The company has its roots in the Icelandic geothermal industry being established back in 1946 and having drilled the vast majority of all wells drilled in Iceland. IDC has been the leading contributor in optimizing drilling programs for all our customers, given the knowledge and background in the geothermal industry consultancy is a key part the service.

IDC has drilled more than 200 high temperature geothermal wells in the last decade including the Iceland Deep drilling well. Being the lead contractor in most of our contracts IDC has a solid background in solving all kinds of drilling issues for our customers. IDC is the leading drilling company worldwide with sole focus on drilling geothermal wells and work over of geothermal wells, currently operating in 3 continents, Europa, Oceania and America. As an integrated drilling contractor IDC is offering drilling rig and crew, casing running and cementing service, directional drilling and air drilling service, drilling fluid, casing- and wellhead materials needed to finish on geothermal well. IDC strives to be the preferred drilling contractor for geothermal power producers and operators.

Reykjavik Energy

Reykjavik Energy is a public utility company that provides geothermal heating, drinking water and electricity to more than half of the population of Iceland, as well as operating sewage systems. We distribute hot water for domestic heating at a high and constant temperature all year round. Our drinking water is top-quality and electricity is sold at a low price compared to neighboring countries. The electrical distribution network is a double network, hence security is high when it comes to delivery.

We have extensive technological know-how in the harnessing and distribution of energy and water. Reykjavik Energy strives to be at the forefront of good environmental practices as regards to the use of natural resources. We actively pursue social responsibility in our activities and are engaged in extensive innovation on environmentally sound energy production. All company activities are certified in accordance with international standards.

Reykjavik Energy harnesses energy in harmony with nature. Our heating utility is the largest geothermal heating utility in the world, with the pipes of the distribution system stretching a combined 2,500 km. Our power plants at Nesjavellir and Hellisheiði generate

electricity and hot water by utilizing geothermal water and steam. They are both situated in the Hengill area which is one of the largest high-tempurature areas in Iceland.

Nesjavellir has operated since 1990 and has a production capacity of 120 MW of electricity and 300 MW of thermal power today.

Hellisheiði has operated since 2006, with current production capacity of 303 MW of electricity and 133 MW of thermal power. The long term plan includes adding more turbines to Hellisheiði power plant, if the utilisation of the area allows it.



The Ministry for Foreign Affairs

Addressing the complex challenges of climate change is an important pillar of Iceland's foreign policy. A key solution to the climate agenda is to seek a true global energy transformation based on the utilization of renewable energy. An integral part of the Foreign Ministry's efforts is therefore to build international awareness about the potential of geothermal as a viable base-load energy source, as well as pursuing concrete geothermal projects through Iceland's international cooperation.

The Government of Iceland supports enthusiastically the establishment of the Icelandic Geothermal Cluster. The creation of the Cluster represents a fundamental change to the partnership between the private sector, institutions, government agencies and the ministries. The Icelandic Geothermal Conference is a testament to this new and fresh approach.

By inviting international stakeholders to Reykjavik to exhibit and discuss Iceland's successes and challenges on the road towards a non-fossil fuel based economy, Iceland's partners will hopefully be motivated to reinforce efforts to fulfill the potential of geothermal utilization.

The Ministry for Foreign Affairs is proud to be among the main sponsors of the Icelandic Geothermal Conference. Through the commendable efforts of the Icelandic Geothermal Cluster, the conference is set to make Reykjavik a center of excellence in the harnessing of this fascinating energy source.



	BRAND AWARENESS EXHIBITION, MARCH 6-7 AT HARPA		
Day 1 TUE March 5 18:00-20:00	WELCOME RECEPTION - Reykjavik Energy Head Quarters - Dr. Bjarni Pálsson,		
Day 2 WED March 6 08:30-10:00	PLENARY SESSION - OPENING - SILFURBERG HALL A&B Opening Speech: The Minister for Foreign Affairs - Dr. Össur Skarphéðinsson Keynote: Dr. Sri Mulyani Indrawati - Managing Director the World Bank Group Keynote: Mr. Bjarni Bjarnason - CEO of Reykjavik Energy Plenary Sessions Moderator: Mr. Orri Hauksson - MD of the Federation of Icelandic		
10:00-10:30	MORNING BREAK		
	Phase A Exploration	Phase B	
10:30-12:30 Sessions A1 B1 C1 10:30-11:00 11:00-11:30 11:30-12:00 12:00-12:30	Session A1 - Kaldalón hall Opportunity intro to development, identifying possibilities ISL Mr. Þorleifur Finnsson - Reykjavík Geothermal ISL Mr. Ásgeir Margeirsson - Geothermal Alterra Power Corp JPN Dr. Kasumi Yasukawa - National Institute of Advanced Industrial Science and Technology NZL Dr. Mike Allen - Geothermal New Zealand Chair ISL Dr. Hörður Arnarson - Landsvirkjun, the National Power Company	Session B1 - Finance, risk, i ISL Mr. Hjört FRA Mr. Thon GER Mr. Stepl USA Mr. Thon Chair ISL Mr. Stefa	
12:30-13:30	LUNCH BREAK	Chair ise	
13:30-18:00 19:30-22:30	Field Trip: Re	ykjanes Re	
Day 3 THU March 7	BROKERAGE EVENT - 09:00-15:00		
08:00-10:00 Sessions A2 B2 C2 08:00-08:30 08:30-09:00 09:00-09:30 09:30-10:00	Session A2 - Kaldalón hall Geothermal assessment, modelling, codes ISL Dr. Ólafur Flóvenz - General Director, Iceland GeoSurvey, ISOR USA Prof. Roland Horne - President IGA / Stanford University ISL Dr. Egill Júlíusson - Landsvirkjun, the National Power Company GER Mr. Alexander Richter - Thinkgeoenergy/CanGea	Session B2 - Role of Gover WBA Dr. Pierre BEL Mr. Philip GER Ms. Kirst ETH Dr. Mese	
10:00-10:30	Chair ISL Mr. Guðmundur Þóroddsson - Reykjavík Geothermal MORNING BREAK	Chair ISL Mr. Bene	
10:30-12:30 Sessions A3 B3 C3 10:30-11:00 11:00-11:30 11:30-12:00 12:00-12:30	Session A3 - Kaldalón hall Drilling IDDP, deep drilling ISL Dr. Bjarni Pálsson - Landsvirkjun, the National Power Company ISL Mr. Sturla F. Birkisson - Iceland Drilling Ltd NZ Mr. Hagen Hole - Geothermal Consultants Limited ISL Dr. Guðmundur Ómar Friðleifsson - HS Orka Ltd	Session B3 - Rules and regulate Mr. Jay N ISL Mr. Gunr GER Ms. Mari ISL Dr. Guðn	
10.22.10.20	Chair IS Mr. Bjarni Richter - Iceland Geosurvey, ISOR	Chair ISL Ms. Marg	
12:30-13:30	LUNCH BREAK		
13:30-15:30 Sessions A4 C4 13:30-14:00 14:00-14:30 14:30-15:00 15:00-15:30	ISL Dr. Guðni Axelsson - Iceland GeoSurvey, ISOR USA Mr. Josh Nordquist - Ormat MEX MS. Magaly Flores - CFE 13:55-14:20 14:20-14:45 14:45-15:10		
15:30-16:00	AFTERNOON BREAK		
16:00-18:00	PLENARY SESSION - CLOSING - SILFURBERG HALL B Keynote: Dr. Jefferson W. Tester, Professor Cornell University Keynote: Mr. Günther H. Oettinger, EU Commissioner for Energy Closing Speech: Ólafur Ragnar Grímsson, President of Iceland - Patron	of IGC 2013	
Day 4 FRI March 8	DAY OF DEPARTURE		

Conference Chair

Industries



ICELAND GEOTHERMAL CONFERENCE MARCH 5–8, 2013

Harpa, Reykjavík

PROGRAM

Realization

Phase C

Utilization

Silfurberg B hall insurance, mitigation

ur Þór Steindórsson - Íslandsbanki

nas Timme - European Investment Bank, EIB

han Jacob - Munich Re

nas DeLeo - Sithe Global

n Pétursson - Arion Bank

Session C1 - Ríma hall

Project Management, project lifecycle, EPC vs EPCM

ISL Mr. Sigurður S. Arnalds - Mannvit

ISL Ms. Yrsa Sigurðardóttir - Verkís

ISL 📕 Dr. Helgi Þór Ingason - Reykjavík University

USA Mr. Henry Veizades - Veizades Associates

Chair ISL Mr. Gunnar Thoroddsen - Orka Energy

source Park Field Trip: The Geothermal Area of Hellisheiði

Gala Dinner at Restaurant Pearl

Silfurberg B hall

nment, Multi and Bilateral Donors

Audinet - World Bank Group

ppe Dumas - European Geothermal Energy Council

en Offermanns - KfW bank

ret Teklemariam Zemedkun - United Nations Environment Programme

dikt Höskuldsson - Ministry for Foreign Affairs

Session C2 - Ríma hall

Direct usage

ısı 📰 Mr. Þorleikur Jóhannesson - Verkís

ISL Mr. Jakob Sigurður Friðriksson - Reykjavik Energy, OR

CHN Ms. Susan Sun - Sinopec Green Energy Geothermal Development Co. Ltd.

ISL Mr. Sigurjón Arason - Matís, Icelandic Food and Biotech R&D company

Chair ISL Mr. Júlíus Jónsson - HS Orka

Silfurberg B hall

ulation. Policies and incentives. Carbon credit

Natwani - Department of Energy USA

nar Tryggvason - KPMG

etta Sander - IGA

i Jóhannesson - NEA

grét G. Flóvenz - KPMG

Session C3 - Ríma hall

Reliable heat and electricity, Case, Hellisheiði project

ISL III Dr. Einar Gunnlaugsson - Reykjavík Energy, OR

ISL Mr. Claus Ballzus - Mannvit

ISL Dr. Gunnar Gunnarsson - Reykjavík Energy, OR

ISL Prof. Páll Valdimarsson - Atlas Copco

Chair ISL Ms. Hólmfríður Sigurðardóttir - Reykjavík Energy, OR

Silfurberg B hall

A Grant programmes and cooperation within Europe

Gíslason - FMO-Brussels

Veronika - National Environmental Protection and Energy Center

a Cristina Lehovida - Environmental Fund Administration

s Bicudo - SOGEO

Ramsak - NL Agency

s Ketilsson - National Energy Authority

Session C4 - Ríma hall

Environmental

ISL Mr. Stefán Gunnar Thors - VSO Consulting

ISL Mr. Ingvi Gunnarsson - Reykjavík Energy, OR

GER Mr. Pascal Schlagermann - Energie Baden-Würtemberg AG, EnBW

ISL 🚪 Mr. Ólafur Árnason - EFLA

Chair ISL Ms. Auður Andrésdóttir - Mannvit



Session A1 Opportunity intro to development, identifying possibilities 10:30-12:30

Dr. Hörður Arnarson

Landsvirkjun, the National power company



of Iceland Session Chair Hörður Arnarson is the CEO and president of Landsvirkjun, Iceland's national power distributor and producer of 75% of

the country's electricity. In his previous employment Dr. Arnarson led food processing equipment company Marel from a small Icelandic company to an undisputed market leader in the area with around 4.000 employees, operations in 30 countries and an annual turnover of 650 M€. In November 2009 Dr. Arnarson brought his experience to Landsvirkjun which currently puts a great emphasis on innovation and value creation. Dr. Arnarson has a PHD in engineering from the Technical University of Denmark as well as holding a degree in electronic engineering from the University of Iceland.

Mr. Þorleifur Finnsson

Revkiavik Geothermai



Realizing the Geothermal Value Chain in developing countries Þorleifur Finnsson holds a B.Sc. degree in Electrical Engineering and has over 30 year experience in the electricity power industry. Porleifur has long experience in developing and negotiating Project

Agreements and Power Purchasing Agreements, as well as project management of pre-feasibility and feasibility studies for power projects. He has worked on various teams in Iceland to implement projects as diverse as fiber-optic backbone network in Reykjavik area and deregulation of the Icelandic power market. The last years Porleifur has been deeply involved in establishing power projects in Asia and East Africa. He is the Project Manager for the Corbetti Geothermal Power Project in Ethiopia.

Dr. Kasumi Yasukawa

National Institute of Advanced Industrial Science and Technology



Geothermal development activities in Japan after the big earthquake in 2011 Group Leader, Geo-Analysis Research Group, National Institute of Advanced Industrial Science and Technology (AIST)

M.S. and Ph.D. in geothermal reservoir engineering from UC Berkeley and Kyushu University, respectively. Has worked in geothermal research since joined to the institute in 1987. Manager of geothermal research projects at New Energy and Industrial Technology Development Organization (NEDO) in 1994-1995. Presently leading a national project "Development of an advanced geothermal reservoir management system for the harmonious utilization with hot spring resources." Involved in geothermal educational/ outreaching activities in Geothermal Research Society of Japan and others. A member of current Board of Directors, International Geothermal Association.

Day 2, Wednesday, March 6

Mr. Ásgeir Margeirsson

Geothermal Alterra Power Corp



Global Experiences in Geothermal **Development and Operations** Ásgeir Margeirsson serves as the CEO of Magma Energy Iceland, a subsidiary of Alterra Power Corp, as VP Geothermal for Alterra and as the Chairman of the Board of HS Orka since 2009. He served

as CEO of Geysir Green Energy 2007-2009. He holds a Lic. Tech. degree in Construction Management from Lund University in Sweden (1989) and a B.Sc. in Civil Engineering from the University of Iceland (1985). His previous positions include Deputy CEO and Director of Production and Sales at Reykjavik Energy, Technical Director of Iceland Drilling Co. and Managing Director of Iceland Drilling UK.

Dr. Mike Allen

Geothermal New Zealand



Geothermal in New Zealand and Experience Internationally

With a background in engineering, Mike Allen spent over 25 years with GENZL. From 1995 to 2001 he was Executive Director of E+Co. He was founder and is executive chairman of the Singapore

based ReEx Capital Asia. He acts in an advisory role to the IFC as they develop their international geothermal strategy and explore investment opportunities. Mike is a member of the Board of Mighty River Power in New Zealand, and a member of the board of GeoGlobal Energy. He is currently executive director of the Geothermal New Zealand initiative promoting a collaborative approach towards extended opportunities in international geothermal markets

Session A2 Geothermal assessment, modelling, codes

08:00-10:00

Mr. Guðmundur Þóroddsson

Reykjavik Geothermal



Session Chair Guðmundur Þóroddsson, Chief Executive Officer Reykjavik Geothermal, holds MS degree in Engineering and MBA. He has 30+ years of experience in energy

& utilities and played a leadership role in the recent expansion of the Icelandic geothermal industry. Guðmundur previously held positions such as CEO of Orkuveita Reykjavíkur, chairman of Iceland Drilling, and board member of Enex and Enex China. During his carrier as CEO he strongly supported new areas in geothermal development, such as very deep drilling, new drilling technologies and RD support to universities and research institutions. Gudmundur is among handful of CEOs in the world who succeeded in commissioning annually 50-100 MW of new geothermal power. This unique success rate can largely be attributed to his thorough understanding of the geothermal value chain, realized earlier by leading the right expert pool around Icelandic projects and now in Reykjavik Geothermal

Dr. Ólafur Flóvenz

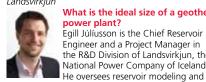
Iceland GeoSurvey, ISOR



From basic research to profitable **geothermal energy production** Ólafur Flóvenz is a General Director of Iceland GeoSurvey, ÍSOR. He is an adjunct professor in geothermics at the University of Iceland. Ólafur has comprehensive knowledge on

geothermal energy worldwide through projects and participation in international organizations and committees, including BoD of IGA, EGEC, IPGT. He is a member of Programme Committe for Energy under EU's Framework Programmes. Expert in geothemal exploration by geophysical methods. Geothermal consultant, lecturer and project manager.

Dr. Egill Júlíusson



What is the ideal size of a geothermal power plant? Egill Júlíusson is the Chief Reservoir Engineer and a Project Manager in the R&D Division of Landsvirkjun, the National Power Company of Iceland.

monitoring of geothermal reservoirs in operation and development; management of geothermal wells logging, testing, stimulation and siting of new wells; optimization and feasibility studies. Egill has previously worked on projects related on geothermal energy with the Icelandic GeoSurvey (ISOR, 2006-2007) and Glitnir Bank (2007-2008). Egill holds a Ph.D. degree in Energy Resources Engineering (Geothermal) from Stanford University. He is author and co-author of about 15 publications related to geothermal energy

Day 3, Thursday, March 7

Prof. Roland N. Horne

International Geothermal Association, IGA



World Outlook for Geothermal Electricity 2013 Roland N. Horne is the Thomas Davies

Barrow Professor of Earth Sciences and Professor of Energy Resources Engineering at Stanford University, and Director of the Stanford Geothermal Program. He was formerly the Chairman of the Department of Petroleum

Engineering at Stanford from 1995 to 2006. Roland is an Honorary Member of the Society of Petroleum Engineers, and a member of the US National Academy of Engineering. He served on the International Geothermal Association (IGA) Board 1998-2001, 2001-2004, and 2007-2010, and is the 2010-2013 President of IGA. He was Technical Program Chairman of the World Geothermal Congress 2005 in Turkey and 2010 in Bali, and will be again in Melbourne in 2015.

Mr. Alexander Richter

ThinkGeoEnergy/CanGEA



Geothermal Reporting Codes -Transparency, consistency and confidence in public reporting Alexander Richter is Founder and Principal of ThinkGeoEnergy, a geothermal focused advisory firm working for corporate clients on

strategic, marketing and corporate finance related activities. The firm also operates the leading news service for the global geothermal energy industry, ThinkGeoEnergy.com. He further acts as Marketing & Communications Director for Norwegian Green Energy Group AS that provides turn-key modular geothermal wellhead power plants. Alexander is Director-at-Large on the Board of the Canadian Geothermal Energy Association (CanGEA). From 2005 to 2011, he was a director in the Geothermal Energy Team of Icelandic bank Íslandsbanki.

Session A3 Drilling IDDP, deep drilling

10:30-12:30

Mr. Bjarni Richter Iceland Geosurvey, ISOR



Session Chair
Bjarni Richter is a Senior
geologist and Project- and
Marketing manager at
Iceland GeoSurvey. Bjarni
studied geology at the
University of Iceland and at

the University of Copenhagen, where he finished his Cand. Scient. diploma. Bjarni has been with Iceland GeoSurvey (2003) and its predecessor, National Energy Authority, Research Division, from 1998, except for 6 months in 2008 when he worked with Geysir Green Energy. Bjarni is a board member of GeoThermHydro, Iceland, since 2009. A member of the managing board of GeoThermHydro, Chile, since 2010. A member of the Icelandic National Working Group on the Limits of the Continental Shelf since 2003.

Dr. Bjarni Pálsson

Landsvirkjun, National Power Company of Iceland



Iceland Deep Drilling Project – Well Design, Drilling and Flowtest of well IDDP – 1 in Krafla NE Iceland Dr. Bjarni Pálsson is the manager of the Power Projects Department of the R&D Division of Landsvirkjun. As such, he is responsible for the power project portfolio

of Landsvirkjun, including four geothermal power projects in Northeast and Central Iceland, believed to have around 500 MW potential, as well as up to 10 hydroprojects with potential around 600 MW and wind power projects. Dr. Palsson has a C.Sc. degree in mechanical & industrial engineering from University of Iceland and M.Sc. and PhD degrees in petroleum engineering from Heriot-Watt University in Edinburgh. He has been involved in geothermal projects since 1996 and has been employed within the Landsvirkjun group since 2002. Dr. Palsson is the president of the Geothermal Association of Iceland and a board member of the International Geothermal Association.

Mr. Hagen Hole

Geothermal Consultants Ltd



Geothermal Well Drilling
- Keep it Simple
Hagen Hole, with a mechanical
engineering gained from the University
of Auckland, New Zealand; and drilling
– petroleum engineering (University of
Texas, Austin, USA), commenced his

involvement in the geothermal industry carrying out research on geothermal two phase fluid flow, under a New Zealand Energy Research and Development Fellowship at the University of Auckland, and has since accumulated some 37 years specialist experience in geothermal development projects, and in particular geothermal drilling. He is Managing Director and Principal Consultant of the New Zealand based company Geothermal Consultants New Zealand Ltd.

Day 3, Thursday, March 7

Mr. Sturla F. Birkisson

Iceland Drilling



Integrated drilling - the IDC way
Sturla is Vice president of Iceland
Drilling. He has worked in Icelandic
and international energy business since
1995 and with Iceland Drilling for the
last 13 years. He holds a CS degree
in mechanical engineering from the

University of Iceland and MSc/Civil engineering degree from the Technical University of Denmark, DTU. Sturla has been managing drilling operations in all major geothermal fields in Iceland. Main role has been managing contracts, drilling optimization, problem solving, well designing, drilling optimization and adoption of new drilling techniques. Also specifying and selecting drilling rigs and drilling equipment. Lately Sturla has been part of IDC marketing team for international markets, acquiring new markets and negotiating contracts.

Dr. Guðmundur Ó. Friðleifsson



IDDP – Concept and Future
Dr. Guðmundur Ómar Friðleifsson
received his PhD degree in Geology in
1983 from University of Edinburgh,
Scotland. From 1975 to 2003 he worked
at Orkustofnun (NEA), Geothermal and
Geoscience Division, and from 2003

to 2007 at ISOR, the Iceland GeoSurvey, focusing on geothermal geology and mapping of high- and low-temperature systems. Since 1981 Guðmundur Ómar was additionally teaching borehole- and exploration geology at the UNU-GTP in Iceland, and a study board member in Exploration Geology 2005-2012. Since 2007 he took a post as the Chief Geologist at the HS Orka energy company. Since 1999, Guðmundur Ómar has been leading the Iceland Deep Drilling Project.

Session A4 Case Histories & sustainable resource management

13:30-15:30

Mr. Sveinn Ingi Ólafsson



Session Chair Sveinn Ingi Ólafsson worked for over twenty years in design, engineering and management of energy projects. Sveinn managed the Mechanical section of

Verkis from 1994 to 2008 when he took over as the Managing Director of Verkis.

Ms. Helga Tulinius



Geothermal Energy Europe, Case study Serbia

Ms. Helga Tulinius is a senior reservoir and geophysicists at Mannvit. Her geothermal experience spans a very wide field of expertise, such as in project management,

conceptual geothermal reservoir modeling, geothermal high temperature well testing, bore hole logging, and most types of geophysical surveys (gravity, MT, micro-seismic, and resistivity surveying) both in Iceland and internationally. Ms. Tulinius studied physics at the University of Iceland receiving a degree in physics 1978 and continued with her postgraduate studies at the Colorado School of Mines, USA, in 1980.

Day 3, Thursday, March 7

Dr. Guðni Axelsson

Iceland GeoSurvey, ÍSOR



Sustainable Geothermal Utilization
Head of Geophysics and Reservoir
Physics at Iceland GeoSurvey, ISOR.
Adjunct professor in geothermics at the
University of Iceland. Guðni specializes in
geothermal reservoir physics, including

testing, monitoring and modelling of geothermal reservoirs, as well having long experience in geothermal resource management. He has e.g. worked on geothermal projects in Iceland, China, Kenya, Central-America and Europe. Guðni has been involved in world-wide geothermal training and technology transfer for 25 years. He is a member of the editorial board of Geothermics, a member of the Science Academy of the GEORG Geothermal Research Group, as well as the alternate member for Iceland in the Geothermal Implementing Agreement of the IEA.

Mr. Josh Nordquist



Success through experience: Lessons learned in geothermal

As manager of sales in geothermal development for Ormat Technologies, Inc., Josh Nordquist directs third-party interests for geothermal and recovered energy generation projects including

energy generation projects including equipment sales, EPC contracts, joint ventures and acquisitions. Ormat Technologies is a world leader in the geothermal power plant sector. The company has four decades of experience in the development of state-of-the-art, environmentally sound power solutions, primarily in geothermal and recovered energy generation. Ormat is responsible for the development of over 1,500 MW of geothermal generation and operates over 586 MW worldwide.

Ms. Magaly Flores



Long term production experiences of Mexico's geothermal fields
Magaly Flores Armenta is a chemical engineer graduated from the Universidad Michoacana de San Nicolás de Hidalgo, with master degree in Petroleum Engineering from Heriot Watt University

in Scotland and specializing in geothermal reservoirs at the University of Auckland in New Zealand. She is in charge of the geoscientific studies of the geothermal division of CFE. With more than 18 years of experience, she has coordinated the various working groups in charge of reservoir management in Los Azufres, Los Humeros, Las Tres Virgenes, Cerritos Colorados and Cerro Prieto to promote the use of new technologies to increase well productivity. She is a former president of the Mexican Geothermal Association 2010-2012 and currently serves as vice president of the Mexican Geological Society.

Session B1 Finance, risk, insurance, mitigation

10:30-12:30

Mr. Stefán Pétursson



Session Chair
Stefán was appointed chief
financial officer at Arion
Bank in August 2010.
In 1986 to 1989 Stefán
worked as head of
administration at the

Icelandic Fisheries Laboratories Institute. After completing his studies in the US, Stefán joined Landsvirkjun. He began as head of funding but later took over as treasurer and finally CFO, a position he held from 2002. Stefán was on leave from Landsvirkjun in 2008 while serving as the CEO of the investment company HydroKraft Invest hf. Stefán has held a number of directorship positions and other positions of responsibility in recent years. He is currently a member of the board of Landfestar hf. and the Depositors' and Investors' Guarantee Fund on behalf of SFF. Stefán graduated with an MBA from Babson College in Massachusetts in 1991 and a cand. oecon. degree from the faculty of business of the University of Iceland in 1986.

Mr. Hjörtur Þór Steindórsson



Finance a Geothermal Power Project; a Banker's View

Hjörtur Þór Steindórsson is the Executive Director of Energy at Íslandsbanki hf. He first joined Íslandsbanki's International Corporate & Investment Banking division in 2006 (then Glithir). There he was also

a part of the Geothermal Energy Team, which primarily focused on financing geothermal power projects in the US. Today, he is responsible for Islandsbanki's energy team, energy research & publication efforts and energy specific business development, both domestically as well as internationally. Prior to joining Islandsbanki Mr. Steindórsson spent five years working for UPS Capital Business Credit as a Portfolio Manager in the ECA Financing division. He holds a BSc degree in business administration from the University of Hartford, CT, and a M.A. degree in economics from Trinity College, Hartford, CT.

Mr. Stephan A. Jacob



Risk Mitigation Solution for Geothermal Projects – Way to support Financing

Stephan Ä. Jacob is an underwriter at Munich Re. He has over 4 years experience in developing tailored insurance solutions for genthermal projects covering the

for geothermal projects covering the exploration risk for deep geothermal wells. Munich Re has developed the first exploration risk insurance policy worldwide. The involvement of Munich Re in the German governmental program to support geothermal projects was also the responsibility of Mr. Jacob. He previously served as a lawyer for Allianz SE. Prior to Allianz SE in Munich he was employed by Allianz Life Insurance Company in Stuttgart, Germany. Mr. Jacob has a German law degree and holds a Master of Business Administration from the University of Louisville

Day 2, Wednesday, March 6

Mr. Thomas Timme

European Investment Bank, EIB



Financing Geothermal Projects

- The EIB way

Thomas Timme is a Loan Portfolio Manager at the European Investment Bank (EIB). He has over 22 years experience in corporate banking and in financing private and public sector

projects. At the EIB, Mr. Timme was responsible for large infrastructure and energy projects in Germany and Austria and for private and public transport and energy operations in Romania and Bulgaria. He is currently leading mainly energy and infrastructure sector operations in EFTA, Nordic and Baltic countries. Prior to EIB he worked for Deutsche Bank for 6 years. Mr. Timme has a German degree in Financing and Accounting and holds a Bachelor from the University of Leeds.

Mr. Thomas J. DeLeo

Sithe Global



Financing and Risk Mitigation of Geothermal Projects – A Developer's Perspective

Thomas J. DeLeo has over 30 years of experience in the fields of power development and generation, banking, finance, law and accounting. Since 2005, he has served as a

accounting. Since 2005, he has served as a member of senior management and the Chief Operating Officer at Sithe Global Power. From 1994 to 2005, Mr. DeLeo served as Senior Vice President and Chief Tax Counsel of Sithe Energies, Inc. Prior to Sithe Energies, he was a Senior Tax Attorney and Vice President at Chemical Bank in New York City. Mr. DeLeo also served as Tax Manager at Peat, Marwick, Mitchell and Company from 1979 to 1985. Mr. DeLeo received his BS in Accounting at Fordham University, his JD at Fordham University School of Law and each of his LLM's in Corporate Law and Tax Law respectively, at New York University, School of Law.

Session B2 Role of Government, Multi and Bilateral Donors

08:00-10:00

Mr. Benedikt Höskuldsson Ministry for Foreign Affairs



Session Chair
Benedikt is the head of
department of Natural
Resources and Environmental
Affairs. He has a MA in
International Economics,
Money & Monetary Systems

and International Business from Portland State University, OR in USA and has over twenty years of experience for the Ministry for Foreign Affairs. He was a Minister-Counselor/Chief of Mission at the Embassy of Iceland in Japan.

Mr. Philippe Dumas

European Geothermal Energy Council, EGEC



Financing Challenges for Geothermal
Power in Europe
Philippe Dumas, after a master in

European Affairs in 1999, first worked in a European engineering company as representative in Brussels for EU affairs (2000-2007). Firstly involved in

geothermal energy with EGEC, starting as project manager for European projects. Author and co-author of several publications; frequent contributor to conferences, workshops and seminars; teacher at university of Marseille on European lobbying; active in a number of EU-funded research and promotion projects from 2000 until today. Since September 2008, he's the EGEC director in Brussels managing the association.

Day 3, Thursday, March 7

Dr. Pierre Audinet

World Bank Group



The Global Geothermal
Development Plan
Pierre Audinet leads the Clean Energy
Program Team of World Bank's Energy
Sector Management Assistance Program
(ESMAP). A pragmatic solutions-driven

team leader, Pierre has been formulating policies and preparing investment operations that expanded clean energy supply in Asia, Europe, Middle East, North Africa and the Americas for two decades, at the World Bank, the International Energy Agency and the French Ministry of Foreign Affairs. Pierre holds a PhD from the School for Advanced Studies in the Social Sciences (EHESS, Paris, France) and masters in economics from Paris Pantheon-Assas University and Sorbonne Nouvelle University (France).

Ms. Kirsten Offermanns



The Geothermal Risk Mitigation Facility

Kirsten Offermanns is a lawyer and works as Principal Project Manager for KfW Development Bank. After several years working for the private sector (inter alia for DEG, KfW/s pivate sector arm)

Kirsten joined KfW Development Bank in 2007 and since then focuses mainly on infrastructure projects in east Africa, especially energy and transport projects and is responsible for KfWs Geothermal Risk Mitigation Facility.

Dr. Meseret Teklemariam Zemedkun United Nations Environment Programme



Strategies and Scenarios for Geothermal Resource Development in the East Africa Region

Meseret is currently working for United Nations Environment Programme (UNEP) and manages and coordinates the UNEP African Rift Geothermal Facility

Project (ARGeo). She worked for about 20 years in the Geological Survey of Ethiopia (GSE). In recent years, her professional focus has been on the development, implementation and coordination of African regional geothermal programs using her extensive knowledge and experience in geothermal science and engineering. She has substantial experience with developing and supporting geothermal development programs and significant knowledge of the East African rift countries, the geothermal actors, experts. Meseret received her PhD in Earth Sciences-Geothermics from University of Pisa, Italy. She did post graduate studies in Geothermal science and technology in Iceland and Italy. Her first degree is in Geology from Addis Ababa University, Ethiopia.

Session B3 Rules and regulation. Policies and incentives. Carbon credit 10:30-12:30

Day 3, Thursday, March 7

Ms. Margrét G. Flóvenz



Session Chair Margrét G. Flóvenz is a Partner with KPMG in Iceland and became the firm's Chairman of the Board in 2012. Margrét graduated as Cand Oecon

from the University of Iceland in 1986 and became a Certified Public Accountant in 1993. She was a Partner with Ernst & Young from 1997-1999 and with KPMG since 2000. Margrét was the Chairman of the Icelandic Institute of Public Accountants from 2007-2009 and the President of the Nordic Federation of Public Accountants from 2009-2011. Margrét has led the audit of many companies in various lines of business. She has also been involved in education. professional development and quality control at KPMG.

Mr. Jay Natwani

U.S. Department of Energy, DOE



Current US policies and future R&D directions

Jay Nathwani is a Chief Engineer for Geothermal energy at the U.S. Department of Energy's Geothermal Technologies Office (GTO). He serves on the Executive Committee of the International Energy

Association's Geothermal Implementing Agreement, as an Enhanced Geothermal Systems (EGS) annex leader, and as a member of the Steering Committee of the International Partnership for Geothermal Technologies. Mr. Nathwani served as the EGS Program Manager for several years and was instrumental in the execution of a \$400 million dollar investment portfolio under the American Recovery and Reinvestment Act of 2009 Mr. Nathwani has received Bachelor of Science in Mechanical Engineering (BSME) and Master of Science in Mechanical Engineering (MSME) with concentration in Fluid Dynamics and Heat Transfer from California State University of Fullerton.

Ms. Marietta Sander

International Geothermal Association, IGA



Geothermal Incentive Schemes in Iceland, Kenya, New Zealand, Philippines and the USA Marietta Sander is the Executive Director of the International Geothermal Association (IGA). Before her work for the IGA Marietta managed an international

technical assistance project with a focus on promoting the use of geothermal energy in countries along the East African rift system. She is a certified Project Manager Renewable Energies and has extensive work experience in East and southern Africa, Latin America and South-East Asia. Through her previous work in international development cooperation she has extensive experience in advising decision-makers, government representatives, practitioners, scientists, industry representatives as well as civil society.

Mr. Gunnar Tryggvason



Energy Policy making in Iceland with emphasis on geothermal energy utilization

Gunnar is Senior Manager, KPMG advisory, Iceland. He holds: B.Sc, Electrical University of Iceland. Engineering, University of Iceland, Dipl-Ing (M.Sc), Electrical Engineering,

from Karlsruhe University, Germany, and a diploma in Business Administration, University of Iceland. Gunnar joined KPMG in 2010. He is focusing on advisory to the renewable energy sector, industrial and infrastructure projects. Prior to joining KPMG, Gunnar was responsible for the energy sector as a director at Landsbanki Corporate Finance and prior to that CFO of a international Geothermal Energy development company. Earlier Gunnar worked as an engineer and Project Manager in the Aluminum sector.

Dr. Guðni Jóhannesson

National Energy Authority



The Role of Government Initiatives and Public Administration in the **Icelandic Geothermal Sector** Guðni finished his MSc in Engineering physics in 1976, his PhD thesis on thermal models for buildings in 1981

and was appointed as an associate professor at Lund University in 1982. He was awarded the title of doctor honoris causae from the University of Debrecen in 2008 and the Swedish Concrete Award in 2011. From 1975 he worked as a research assistant at Lund University, from 1982 as a consultant in research and building physics in Reykjavik and from 1990 as a professor in Building Technology at KTH in Stockholm. . Since 2008 he is the Director General of Orkustofnun, which is responsible for public adminstration of energy research, energy utilisation and regulation.

Session B4 Geothermal EEA Grant Programmes and cooperation within Europe 13:00-15:30

Mr. Jónas Ketilsson

National Energy Authority



Session Chair Jónas Ketilsson (MSc) is the Manager for Geothermal Development and Research at the National Energy Authority of Iceland (OS). As Manager Jónas

is responsible for contracting

and monitoring projects in Iceland and abroad, e.g. member of the board of the Iceland Deep Drilling Project, which OS supports, as well as accumulating, maintaining and disseminating geothermal energy statistics of the country. Jónas has been a lecturer and supervisor in the field of hydrology and geothermal energy for several years at the University of Iceland from which he received his MS and BS degrees in Mechanical Engineering and a BS degree in Geophysics

Mr. Óttar Gíslason

FMO Brussel



Renewable Programmes of the EEA Grants

Óttar Freyr Gíslason is a Senior Environment Sector Officer at the Financial Mechanism Office in Brussels. The Financial Mechanism Office

administers the EEA Grants and Norway Grants on behalf of Iceland, Liechtenstein and Norway. The funding schemes aim at reducing economic and social disparities in the European Economic Area (EEA) and strengthening of bilateral relations with the 15 EU countries benefiting from the funding. Key areas of support include environment and climate change, civil society, human and social development, cultural heritage, research and justice and home affairs.

Day 3, Thursday, March 7

Ms. Veronika Eros

National Environmental Protection and Energy Center Nonprofit Ltd



Higher Education in Geothermal Energy - Crosslinked to Applied Research in Hungary

Veronika Eros is project manager in the Unit of International Projects at the National Environmental Protection and Energy Center Nonprofit Ltd. in

Hungary, where she is managing the Renewable Energy Programme Area of EEA Grant 2009-2014. She is also involved in the EU's development and funding policy as national contact person of Intelligent Energy Europe Programme and LIFE+ Programme. She holds a BA in Economics and is finishing her MA Economics degree in Regional and Environmental Management. She worked in the renewable energy sector and for the Hungarian public administration on energy policy between . 2007-2011.

Ms. Elena Cristina Lehovida

Environmental Fund Administration



Geothermal Heat Plants in Romania and Hungary

Ms. Elena Lehovida is project manager at the Environment Fund Administration institution which is coordinated by Ministry of Environment and Climate Change of Romania. The Environment Fund Administration is designated to support and perform

the projects and programmes for the environment protection. As such, since 2007, she has been involved in implementing environmental projects such as: Energy production from renewable sources, wastewater treatment plants, sewerage and water supply networks, materials recycling facilities. Mrs. Elena Lehovida has a science degree in engineering and management from Polytechnic University of Bucharest.

Mr. Carlos Bicudo da Ponte SOGEO



Electricity Generation on Terceira Island

Carlos Bicudo holds the position of Managing Director of SOGEO since 1995, and GEOTERCEIRA since 2001. He served SOGEO, coordinating the exploitation of geothermal resources and managing

the construction projects of the Ribeira Grande Geothermal Power Station, Phase B (8 MW), and Pico Vermelho Geothermal Power Station (10MW), as well as coordinating the drilling of geothermal wells. Carlos has a degree in Mechanical Engineering from Instituto Superior Técnico, Technical University of Lisbon, and is Postgraduate in Utility Management by the University of Dublin, Ireland. He has developed his professional activity in EDA, Electricidade dos Açores, since nearly three decades occupied with renewable energy projects, managing wind farms and geothermal plants projects.

Mr. Paul Ramsak

NL Agency



Collaboration amongst European countries through the ERA-NET Paul Ramsak is working within the Energy Innovation Team at the Energy and Climate Change division of NL Agency, the Dutch national Agency

for Innovation, Sustainability and International Business Cooperation, part of the Ministry of Economic Affairs. Paul is the central contact for geothermal energy within NL Agency and the leader of the Knowledge Exchange workpackage of the Geothermal EraNet. He has been involved in geothermal energy ever since the year 2000, and has been one of the key-persons to get geothermal energy (out) off the ground in the Netherlands. PHASE C Ríma hall Utilization

Session C1 Project Management, project lifecycle, EPC vs EPCM

10:30-12:30

Mr. Gunnar Thoroddsen Orka Energy



ession Chair

Gunnar Thoroddsen is the CEO of Orka Energy, a company devoted to geothermal investments and development in Asia. Following several

of practicing law, Gunnar was the CEO Landsbanki Luxembourg during 2004-2008 and prior to that he was the head of Landsbanki debt recovery. Prior to his banking career, Gunnar cofounded and managed Intrum Justitia in Iceland, currently the leading debt collection agency in Iceland and Fjarstod, a specialized accounting and service agency. Gunnar was the General Counsel of OZ.COM and served as well as the Managing Director of its Boston office. Gunnar holds a law degree from the University of Iceland, an MBA from Reykjavik University, is a LLM (master of law) graduate from Duke University in North Carolina and a licensed district court attorney of Iceland.

Mr. Sigurður S. Arnalds



Contracting approach and breakdown of projects in relation to costs and

Mr. Arnalds is a M.Sc. Civil Engineer from the Technical University of Denmark. He has 40 years of experience in hydroelectric and geothermal projects, project

management and company management. He served for over a decade as CEO of a predecessor company of Mannvit, and subsequently over a decade as Chairman of Board for the same and then Mannvit. He now leads the Energy Division of Mannvit, overseeing hydroelectric and geothermal projects in Iceland and international energy operations. The main international emphasis of Mannvit is on geothermal development and Mannvit is currently involved in such projects in most of the main geothermal regions of the world.

Dr. Helgi Þór Ingason



Reykjavik University

Geothermal Power Project: Creating a common understanding of the life

> Helgi Þór Ingason holds a PhD in process metallurgy from the Norwegian University of Science and Technology (NTNU), MSc in mechanical and industrial engineering

from the University of Iceland and a Stanford Advanced Project Management Certification from Stanford University. He is an IPMA Certified Senior Project Manager (B level). Dr. Ingason is an associate professor at Reykjavik University. The research fields of Dr. Ingason range from quality- and project management to system dynamics and renewable energy, production, transport and utilization, changes in the energy infrastructure and energy carriers of the future. Dr. Ingason was interim CEO of Orkuveita Reykjavikur (Reykjavik Energy) from 2010 to 2011.

Day 2, Wednesday, March 6

Ms. Yrsa Sigurðardóttir



Project Control for Design Contracts Yrsa Sigurðardóttir is a civil engineer,

working as division manager construction and supervision for Icelandic consulting firm Verkís. Her previous projects include i.a. the position of technical manager for the construction

supervision of the 690 MW Kárahnjúkar HEP. At present Ms. Sigurðardóttir is the assistant project manager for the consulting team designing the geothermal power plants in North-East Iceland, Bjarnarflagsvirkjun and Þevstarevkiavirkiun.

Mr. Henry Veizades Veizades & Associates



Project Management, Project Lifecycle, EPC vs. EPCM

Mr. Henry Veizades has over 26 years of experience in the design of geothermal projects and has been the lead project director at Veizades & Associates, Inc. USA, since 1994. Mr. Veizades provides direction

and has been instrumental in providing responsive, costeffective, on-site and remote consulting services to clients. His areas of expertise include: Conceptual design of geothermal projects, project development and project financing, feasibility studies, flow testing design and implementation, design of access roads and geothermal well pads, design of gas removal systems for geothermal power plants, two-phase pipeline design, stress and flow analysis of geothermal piping systems, construction management. Mr. Veizades holds a B.S. degree in Civil Engineering from San Jose State University (1986).

Session C2 Direct usage

08:00-10:00

Mr. Júlíus Jónsson



ession Chair

Júlíus Jónsson graduated in 1974 as Cand.oecon from the University of Iceland. He was an employee at The State's institute for economical

planning for economical and employment issues from 1972-1974. From 1974-1982 Júlíus was an economist for the Icelandic Harbour Authority. Júlíus came to work for Hitaveita Suðurnesja (HS) in 1982. In 1985 he became the Chief Financial Officer of the company and in 1992 the CEO of HS. HS was split up in two companies in 2008; HS Veitur and HS Orka. Júlíus is now CEO of both companies

Mr. Þorleikur Jóhannesson



Reykjanes Plant - Geothermal Resource Park Þorleikur Jóhannesson received his

Engineering degree in mechanical engineering from the University of Iceland in 1987 and a MS degree in mechanical engineering from the

University of Denmark in 1990. From 1991, he worked at Fjarhitun Consulting and Engineering firm until it merged into Verkis Engineering in 2008 where he is still working, leading the mechanical and system design department of the Geothermal Division. In the beginning of his carrier Þorleikur was actively involved in the design of geothermal district heating systems for the geothermal district heating companies in Iceland and abroad, mainly in system design, pressure and flow analysis, pumping stations and control design and other related activities. Since the year 2000, his main focus has been on the mechanical design of geothermal power plants. Currently he is working as a project manager for the 80 MW expansion of the Reykjanes Geothermal Power Plant.

Mr. Jakob S. Friðriksson

Reykjavik Energy, OR



Comfort & wellbeing - Heating the Revkiavík district Jakob is manager of Business Develop-

ment at Reykjavík Energy. Jacob has been actively involved in the geothermal energy sector in Iceland and internationally since 1991. His focus has been on district

heating systems and power production using geothermal resources. He has both managed and participated in development of projects and their execution as well as operation of utilities and power plants.

Ms. Susan Sun



Sinopec Green Energy Geothermal Development Co. Ltd Geothermal Direct Use

in Three Areas of China Ms. Susan Sun is CTO of SGEG, a Sino-Icelandic Joint Venture which combines indepth knowledge of China's geothermal resources and Icelandic experience in the construction and operation of geothermal

Day 3, Thursday, March 7

district heating systems. Ms. Sun is responsible for the technology, engineering and operation of the company since Nov 2009. Before joining SGEG, Ms. Sun worked as project head in Beijing Institute of Geo-Exploration and Technology for 4 years. She holds MSc Mechanical Engineer from University of Iceland majoring geothermal energy engineering and BSc HVAC Mechanical Engineer from Science and Technology University of Inner Mongolia. She is a fellow graduate of UN University-Geothermal Training Program in Iceland in 2005.

Mr. Sigurjón Arason

Matis, Icelandic Food and Biotech R&D Company



Utilization of geothermal energy for drying fish/food products and new drying technologies in Iceland

Sigurjón Arason educated as a chemist from the University of Iceland (1974) and civil engineering from DTU in Denmark (1976). Worked as an engineer with Niro

atomizer (now GEA) and Atlas a.s. in Copenhagen, where he worked with designing, engineering and management of fisheries factories worldwide. From 1978 to 2007 he worked as divisional manager at the Icelandic Fisheries Research Laboratory (Rf) and from 2007 he is Chief Engineer at the Matis. In addition, he is Professor at the University of Iceland where he has taught food engineering and fishery processing.

PHASE C Ríma hall Utlization

Session C3 Reliable heat and electricity, Case, Hellisheiði project

10:30-12:30

Ms. Hólmfríður Sigurðardóttir



Reykjavik Energy, OR Hólmfríður Sigurðardóttir is the Head of Environmental Affairs at Reykjavik Energy. Hólmfríður graduated as a

biologist from the University of Iceland and concluded a master degree from Aarhus University, Denmark, in soil biology. She also holds an MBA degree. Hólmfríður was the first Project manager of the CarbFix-project, a multinational R&D project at the Hellisheiði Geothermal Power Plant in the field of CCS. Before joining Reykjavik Energy, Hólmfríður was involved with energy issues in Iceland as a manager at the Icelandic National Planning Agency.

Dr. Einar Gunnlaugsson Reykjavik Energy, OR The Hengill geothermal area –



Einar Gunnlaugsson is the head of geothermal research at

Orkuveita Reykjavíkur. He received his Ph.D. degree in geochemistry from Leeds University in England, in 1978. Einar Gunnlaugsson

has a wide international experience in geothermal exploration and utilisation. He has been in charge of monitoring, management and geothermal research of geothermal fields the past 25 years.

Day 3, Thursday, March 7

Mr. Claus Ballzus



The Development of the Hellisheiði

Mr. Ballzus is a director of the Mannvit-Verkís Project Office for the 2 x 45 MW geothermal power plant at Bjarnaflag and the 2 x 45 MW geothermal power plant at Þeistareykir for Landsvirkjun, the

National Power Company. He was the consult project leader for the geothermal power plants at Nesjavellir and Hellisheiði and was priorly involved in the geothermal development of Svartsengi, Reykjanes, Bjarnarflag, Krafla, Hverahlið and Grahnjukar projects. His field of specialization is design and project management of geothermal and hydro power projects. Mr. Ballzus is a mechanical Engineer, Dipl.-Ing., from the Technical University of Karlsruhe, Germany, 1976.

Dr. Gunnar Gunnarsson

Reykjavík Energy, OR



The geothermal reservoir and the elopment of a new production field in Hellisheiði

Dr. Gunnar Gunnarsson finished a master in physics from the University of Copenhagen, 2003, and a PhD in experimental physics from the University

of Basel, Switzerland, 2007. He worked as an expert in geophysics at ISOR - Iceland GeoSurvey, 2002-2003, where his main responsibilities were geothermal well logging and groundwater hydrology. Since 2008 he has been working at Reykjavík Energy, mainly on geothermal reservoir engineering, reinjection and induced seismicity. He is responsible for a 3D numerical model of the geothermal fields in the Hengill Area, SW-Iceland.

Prof. Páll Valdimarsson



Hellisheidi Power Plant is there an optimal design? Dr. Páll Valdimarsson is Manager R&D at

the Atlas Copco Gas and Process Division Geothermal Competence Center, as well as an adjunct professor at Reykjavik University. He was a full professor at

the University of Iceland for many years, and has been lecturing at the United Nations Geothermal Training Programme since 1986. He was Director R&D at Enex, and was involved in the LaGeo ORC plant in El Salvador as well as the Shaanxi Green Energy and Enex China geothermal district heating in Xianyang. Dr. Valdimarsson is a mechanical engineer with education from the University of Iceland and Universität Karlsruhe in Germany

Session C4 Environmental

13:30-15:30

Ms. Auður Andrésdóttir Mannvit



Session Chair Ms. Auður Andrésdóttir received a B.Sc. in Geology from the University of Iceland 1980. She subsequently did a postgraduate study, in

Quaternary and Applied Geology at Lund University, Sweden 1988. She moreover, concluded a Continuing Education Programme in Economics and Business Administration in 2007 from the University of Iceland. She has 25 years professional experience in geology and environmental consulting, project management in environmental impact assessment and writing/editing environmental reports on geothermal projects. Ms. Andrésdóttir is the Resource Manager of Mannvit's Environmental and Safety Division. She has been involved in geothermal projects since 2000.

Mr. Stefán Gunnar Thors



IA projects in Ethiopia and Iceland Stefan Gunnar Thors is the director of Environment and Planning at VSO Consulting. Stefan has been working in the profession of environment and planning for the last 18 years, specializing

in spatial planning, environmental and social impact assessment, strategic environmental and social assessment and project management. He has worked on number of EIA projects for geothermal utilization, which are located in Iceland and Ethiopia

Mr. Ingvi Gunnarsson

Reykjavik Energy, OR



Disposal of geothermal Gases Ingvi Gunnarsson is a geochemist at Reykjavík Energy. He graduated as a geologist from the University of Iceland before finishing a M.Sc. degree in geochemistry from the same institution. Ingvi has been involved in various

Day 3, Thursday, March 7

projects at geothermal power plants concentrating on the geochemistry of geothermal gases, the disposal of geothermal gases and inhibiting the scaling of geothermal fluids. His work primarily focuses on lowering gas emissions from geothermal power plants by re-injecting the geothermal gases back into the geothermal system.

Mr. Pascal Schlagermann





geothermal power plants – proactive management of seismic risk and natural radioactivity

Mr. Pascal Schlagermann studied process engineering at Technical University of

Munich followed by a post graduate masters program at Royal Institute of Technology Stockholm in Sustainable Energy Engineering. Since 2006 he works at EnBW Energie Baden-Württemberg AG as project manager in the research department. His main tasks are geothermal power and bioenergy

Mr. Ólafur Árnason



Transmission lines

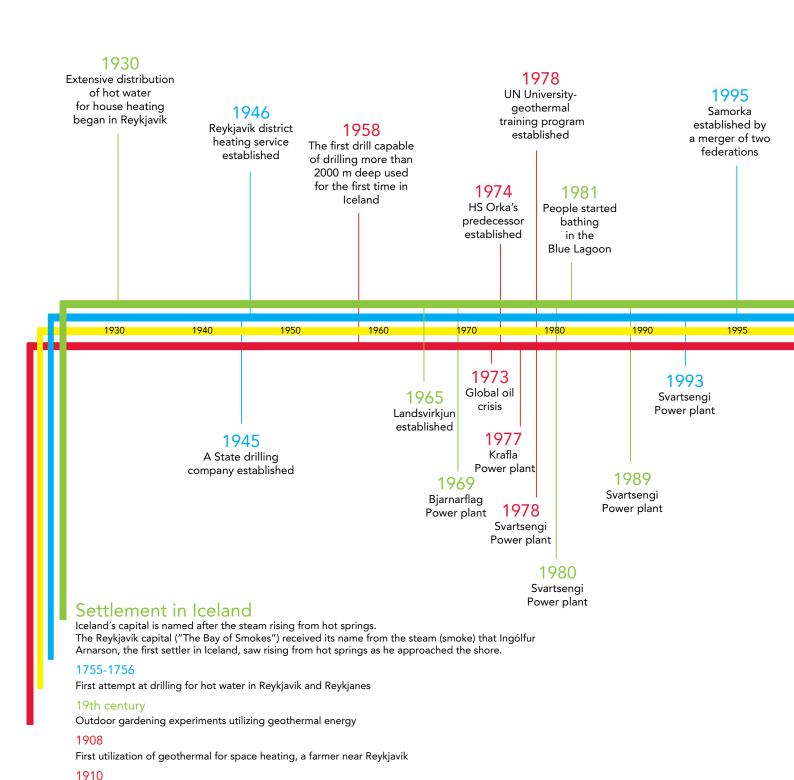
Ólafur is a division manager for the EIA, Planning and Approvals Division at EFLA Consulting Engineers. Ólafur has been working the profession of environmental

assessment, - planning and - approvals for the last 12 years. His main field of expertise is in spatial planning, environmental and social assessment on strategic - and project level, approval processes and project management.



The Development of the Icelandic Geothermal Cluster

Foundations: 1930-1994



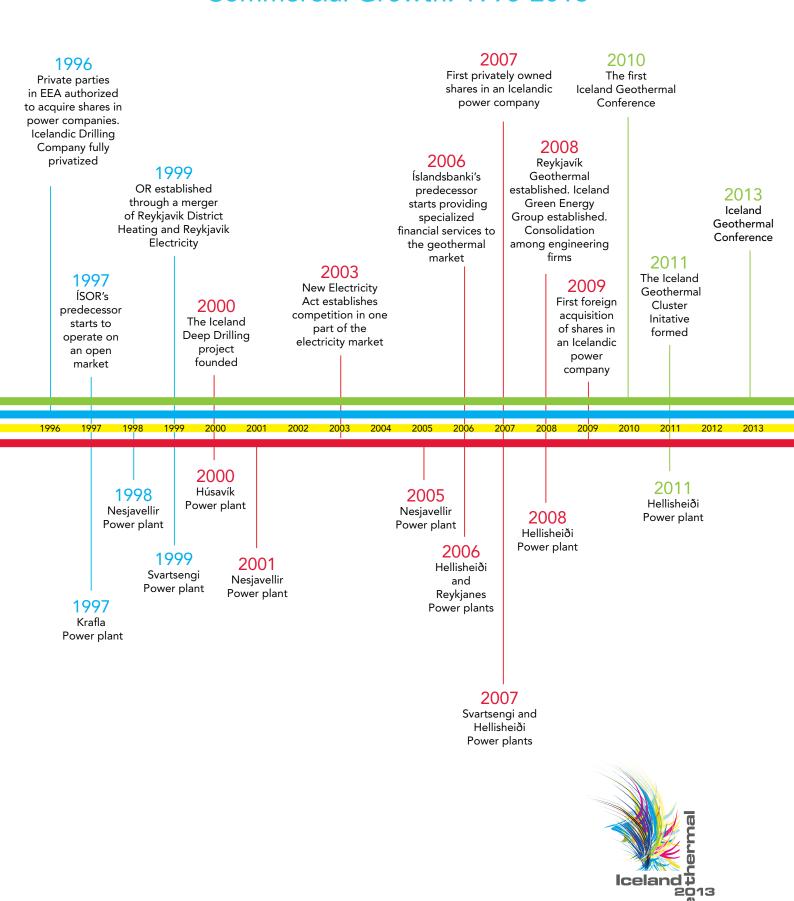
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The old swimming pools built in Reykjavik

Greenhouses began using geothermal energy for heating

1924

Commercial Growth: 1995-2013





Green Supporters

HS Orka



Goals of HS Orka:

- Harness geo resources in a sustainable way i.e. geothermal reservoirs, ground water reservoirs, sea water reservoirs etc.
- Sales of power, district heating water, potable ground water, geothermal steam and brine and other products generated by the company
- Ensure that continuous research and development, how to know and another intellectual properties are maintained within the company

HS Orka operates two geothermal power plants:

Svartsengi CHP plant; Installed power: 75 MWe. Installed thermal power (district heating): 150 MWth.

Reykjanes plant; Installed power: 100 MWe.

EFLA



EFLA is a general engineering and consulting company based in Iceland with widespread international activities and consultancy around the globe. EFLA's mission is to provide progressive solutions in the fields of engineering and technology, through comprehensive professional expertise, research and innovation. EFLA's base is in Iceland, with headquarters in the capital city, Reykjavík. EFLA's affiliated companies are in Norway, Russia, France, Poland, Turkey and Dubai. EFLA respects its environment and puts sustainability at the forefront of its work. The Company is certified according to ISO 9001, ISO 14001 and OHSAS 18001.

Verkís



Íslandsbanki



Verkís is one of Iceland's leading consultancy firms offering first class services in all fields of engineering and related disciplines. With decades of experience, Verkís is among the major consulting engineering companies in the fields of geothermal power and district heating. We provide high quality and technically advanced services for various applications of geothermal energy. Verkís offers comprehensive services including Project Management and EPCM, Budgeting, Engineering, Design, Procurement, Commissioning as well as support functions. We operate under an ISO 9001 and ISO 14001 accredited quality and environmental management system and an OHSAS 18001 accreditation is underway.

Íslandsbanki offers comprehensive financial services to households, corporations and professional investors.

Our network is devoted to providing outstanding service. We offer open access to customer representatives and business managers, who work closely with our clients to solve diverse financial needs of our business partners.

Building on a heritage of lending to industry players in Iceland, we have developed specific expertise in two industry sectors: Seafood and Energy. Together these form the basis for our overseas strategy. With our focused approach in these fields, Íslandsbanki offers valuable services to industry players and investors.

Arion Bank



Landsbankinn



Arion Bank is a leading Icelandic bank offering universal financial services to companies, institutional investors and individuals. These services include corporate and retail banking, investment banking, capital markets services, treasury services, asset management and comprehensive wealth management for private banking clients. Arion Bank has its main operations in the Reykjavík capital area and has a national branch network covering all the main municipalities in Iceland. The Bank has a strong focus on the Icelandic geothermal industry and is a supporter of The Iceland Geothermal project.

Landsbankinn is the largest financial institution in Iceland, the market leader in the Icelandic financial service sector. Landsbankinn provides individuals, companies and investors around the country universal financial services based on long-term business relationships. Landsbankinn operates the most extensive branch network in Iceland. At year-end 2012 the bank's branches and outlets were 35 in total. Landsbankinn was established on 9 October 2008 but the history of LBI hf. (Landsbanki Íslands hf.) it's predecessor runs back to 1886. The bank is 81,3% owned by the Icelandic State Treasury.

Blue Supporters







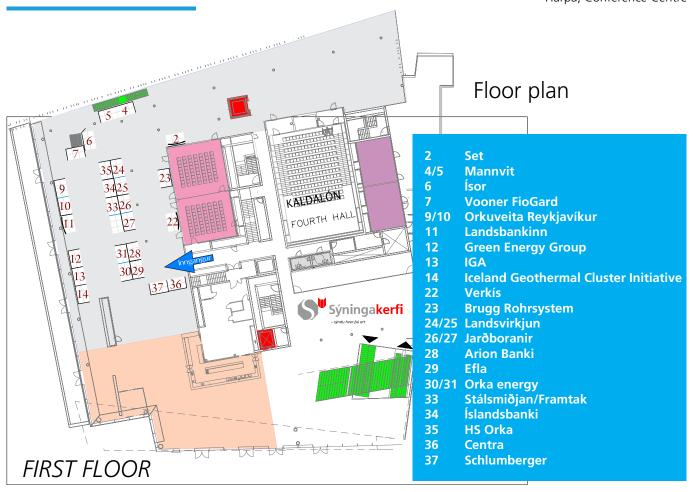






Brand Awareness Exhibition

Wednesday and Thursday March 6-7, 13:30-18:00 Harpa, Conference Centre



Geothermal Brokerage Event

In cooperation with Enterprise Europe Network, the Iceland Geothermal Initiative is organizing an International brokerage event in Geothermal.

The main objective of the brokerage event is to create a meeting forum for companies, research institutes, universities and other organizations that are actively engaged within the geothermal sector and want to learn more about the geothermal value chain. Participants may provide opportunities for collaboration through aimed-to-agreement bilateral meetings.

Brokerage Event March 7, 2013 09:00-15:00 in Stemma, at Harpa Conference Centre



