Iceland Renewable Energy Cluster

ICELAND RENEWABLE ENERGY CLUSTER

OVERVIEW

26 APRIL 2022

RÓSBJÖRG JÓNSDÓTTIR, MD

THE ICELAND RENEWABLE ENERGY CLUSTER

The main objective of the Iceland Renewable Energy Cluster is to **strengthen competitiveness, innovation and increase value creation** within the Icelandic energy industry and society.

IREC is a **project driven platform**, operating as umbrella organization for the whole value chain of the Icelandic energy industry and related industries.

We work together with public and private bodies, facilitating collaboration of cluster members with partners and stakeholders in Iceland and internationally. **Cluster to Cluster**

The core emphasis is thereby to **support and create cooperation** of different stakeholders, with a focus on innovation and value creation for our members and the sector.

Rósbjörg Jónsdóttir
Managing Director

Mission of the Cluster

- Be a visible and common advocate for the Icelandic energy sector domestically and abroad.
- Communicate the image that the members of the co-operation support at any given time.
- Work with the government on transformations related to the nation's climate commitments.
- Maintain knowledge and the development of knowledge in the energy sector.
- Draw attention to the country's uniqueness and the importance of the interaction of different energy sources to meet the challenges of the future.
- Lead large-scale projects with the government.

MEMBERS OF THE ICELAND RENEWABLE ENERGY CLUSTER

Iceland Renewable Energy Cluster

THE ICELAND RENEWABLE ENERGY CLUSTER – EVENT STRATEGY 2010-2020

Iceland Geothermal Conference 2010

IGC 2010

1. Nov 2010 Háskólabio
980 delegates
Prof. Porter launching the map of the Iceland Geothermal cluster

Iceland Geothermal Conference 2013

IGC 2013

5.-8. mars 2013
Harpa
600 delegates, 40 nationalities,
54 presentation from 24 nations

Iceland Geothermal Conference 2016

IGC 2016

26.-29. April 2016
Harpa
750 delegates
International conference with focus on direct usage

Iceland Geothermal Conference 2018

ICELAND GEOTHERMAL CONFERENCE 2016

IGC 2018

25.-27. April 2018 Harpa
Finace and buisness
600 delegates, 42 nationalities,
100 presentation

Sustainable District Energy Conference 2019

Sustainable District Energy Conference
October 23-25, 2019, Iceland

SDEC 2019

23.-25. Oct 2019 Hilton Hotel
Finace and buisness

Hosting of WGC 2020 +1

WORLD GEOTHERMAL CONGRESS 2020 REYKJAVIK

24-27 okt 2021

Achievement of the Cluster Initiatives

- Founded **February 2013** after three years of mapping and implementation phase – focusing on geothermal energy
- Focused on events building up a show case in Iceland – International events 2010-2013-2016-2018-2019-2020+1
- Expanded the focus to all renewable energy sources: 2018-2019 and position us as **Iceland Renewable Energy Cluster**
- 2018 – 2022 Cornell Project https://www.grp.is/mission/research-center-for-sustainability
- Hosted largest geothermal conference in the world – **WGC2020+1**
- 2022 Focusing innovation and value creation on renewable energy sources

THEMATIC FOCUS OF THE CLUSTER ON ICELAND'S ENERGY SOURCES

Hydropower

With 70% of electricity generated, hydropower is an elementary part of the Icelandic energy market.

Geothermal

Geothermal energy is a crucial element of the energy mix of Iceland with about 30% of electricity and more than 90% of homes heated by geothermal.

Wind Power

With good resources and potential, wind energy could become an important element for Iceland's energy future.

Power-to-X

To reach climate goals, Iceland has to look at a future with e-fuels, such as hydrogen, methanol, ammonia etc. for transportation

Iceland Renewable Energy Cluster

ICELAND RENEWABLE ENERGY CLUSTER
ELEMENTS OF OUR WORK

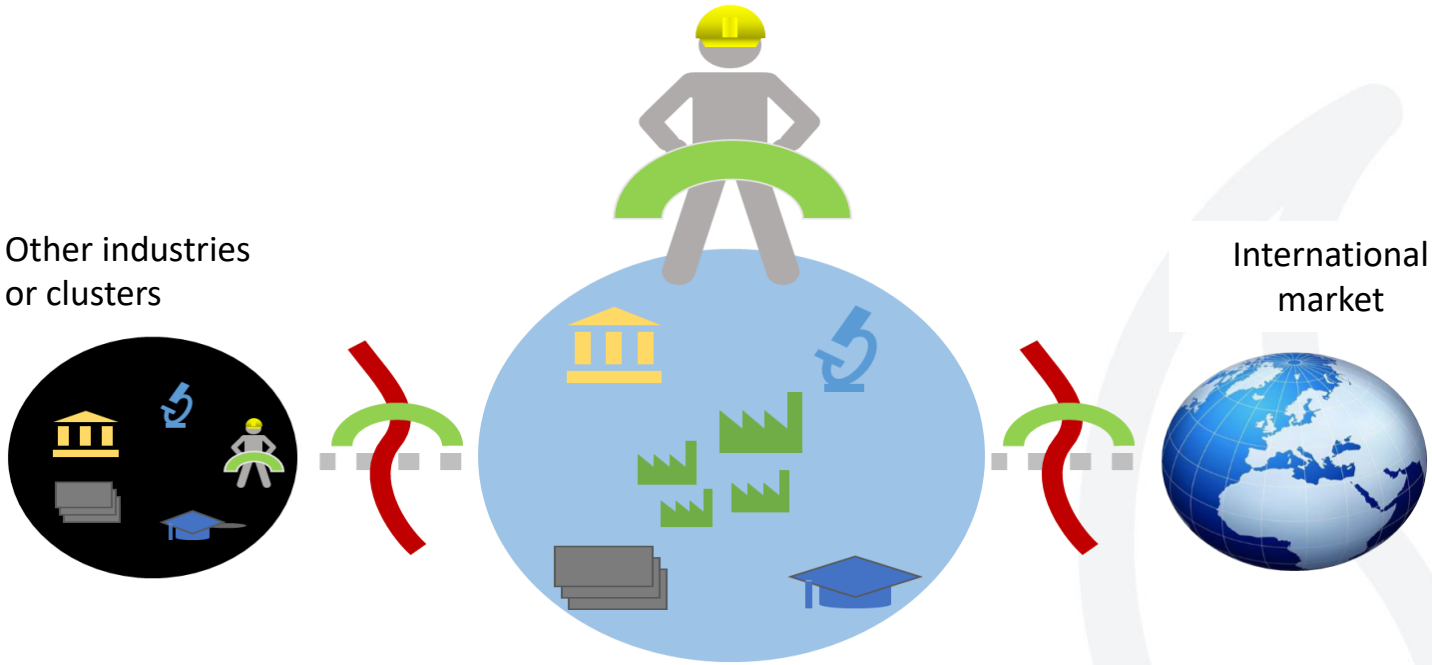
With a focus on the different sources of energy, including storage, we aim to provide forums for the various aspects related to the activities in these different fields as part of working groups and projects.

	Geothermal	Hydropower	Wind	E-fuels	Energy Storage
Production, O&M					
Infrastructure					
Storage/ CCS					
Effiency					
Sector Coupling, system integration & digitalization					
Innovation (IP, technology etc.)					
International & marketing (AOK)					

ICELAND RENEWABLE ENERGY CLUSTER
ELEMENTS OF OUR WORK

We are the bridge builder between different player, and we are eager on building up colloboration with you and your organization

The cluster is the bridge builder



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