



# ANNUAL REPORT 2019







# **WELCOME TO THE WORLD OF GEOTHERMAL**

## **International Geothermal Association**

We are a global geothermal organization uniting the geothermal sector around the globe. We represent countries, industry and academy at the international level. By working with the United Nations, World Bank, IRENA, REN21 and other partners we have a mandate to influence the political agenda and shape the future of geothermal energy





# WHY WE #LOVE GEOTHERMAL

We believe that geothermal represents an **unlimited natural source of energy**, which can play a significant role in meeting the world's energy needs of the future

It is a renewable source that provides clean energy for a unique combination of purposes: **power, heating and cooling, and direct uses**

Geothermal is also unique in its ability to create **additional revenue** by offering multiple uses of the geothermal by-products such as **health & beauty products** and **attract tourism**

We are convinced that geothermal can serve as a **bridge towards a green and sustainable future**, supporting the transition from a fossil-fuel to a **renewable-based economy**



# In this Report

**5**

Message from the  
IGA

**6**

Highlights of the  
Year

**9**

Our Community

**11**

Our Initiatives &  
Strategies

**14**

WGC2023

**16**

Our Journey &  
Outlook

**19**

Acknowledgements





**ALEXANDER RICHTER**

## MESSAGE FROM THE PRESIDENT

2019 has been an exciting year for the IGA as it rose to independence and became registered in Bonn effective January 1, 2019. As President I am extremely proud to have delivered on the strategic initiatives that we created at the onset of my tenure: we focused on independence through financial sustainability, we are of increased value to our members and partners and see an effective uptake of our data and network being therefore increasingly recognized for our authority. In 2020 I will hand over a strong IGA to my successor and for that I am grateful to have worked with strong colleagues both in the Board and the Secretariat.

*A. Richter*



**MARIT BROMMER**

## MESSAGE FROM THE EXECUTIVE

It was quite a year; I can tell you that. We worked relentlessly towards creating more value for our partners and our members. As a result we saw an increase in all membership categories in terms of numbers, support and a strong financial commitment through corporate members and services the IGA delivered over the year. We are not there yet, and it is going to be an equally exciting year in front of us where we will see a new board taking seat and deliver our flagship, the WGC2020 to our members. I am convinced 2019 provides the basis for our continued success. I congratulate all involved in delivering on the achievements of 2019.

*[Signature]*





# HIGHLIGHTS OF THE YEAR 2019

IGA Board of Directors Elections  
New Constitution & By-Laws  
IGA Membership Area



**Strong Membership Engagement**

**Better Gender Diversity**

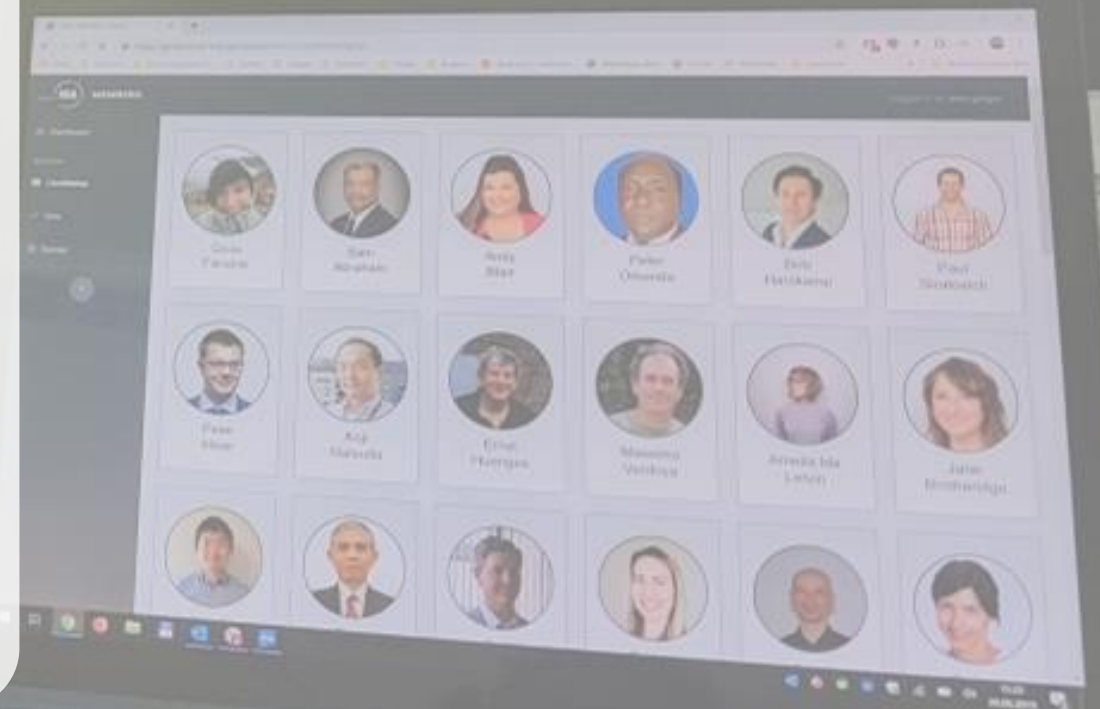
**Rich Geographic and Industry Representation**

*"Targeting an equal share of men and women, we now see a fundamental shift and a strong representation of a highly talented group of women. I am personally very proud to see these results, which confirm my trust on the great power of community. I strongly hope that we are able to utilise this dynamic for the wider goal of the IGA giving geothermal energy a more diverse and stronger voice and helping promote what we as an industry have to offer in the global energy and heat transition. I am convinced that this great new board is a fantastic group of strong individuals continuing the work of our current and previous boards",*

**-Alexander Richter, IGA President**

For information on the 2020-2023 IGA Board Members click [here](#).

# IGA Board of Directors Elections







## IGA Membership Area

We have completed the membership area. Now you can manage your personal profile, get access to the membership benefits and apply for the IGA Company & Expert Pool. Stay connected to our international team through our new platform! Access the [IGA membership area](#).

## New Governing Rules

We are very pleased to announce the new ratified IGA By-Laws and Constitution. It is a big milestone in future-proofing the IGA into its new independent structure. Access and download the new IGA By-Laws and Constitution [here](#).



## IGA Annual Photo Contest

We received more than 100 great contributions for our IGA Annual Photo Contest. It was a hard decision, but in the end, only one winner gets a ticket to WGC2020 in Iceland! Congratulations to Kasia Kurek who with her #lovegeothermal contribution from Mongolia melted the hearts of our judges. Read the full pitch [here](#).







# Our Community

**30** Affiliated Organizations

**4.450** Individual Members

We have grown our membership inviting industry organizations to join our IGA Corporate Club. Companies like Orkuveita Reykjavíkur, ENEL Green Power and National Geothermal Energy Centre of China [CNGEC] expressed their commitment and support to the IGA vision and mission.

We have strong representation from the international environment: both industry and academia. We also observe a growing genuine interest from the traditional Oil and Gas industry to join the Global Geothermal Community, and together we hope to drive the geothermal value proposition on the energy agenda for the future.

We keep looking after deep geothermal for power production, work with many partners on renewable heating and cooling and are willing to get into a discussion with global political leaders about the potential of the geothermal energy.





## OUR AFFILIATED ORGANIZATIONS

Join the  
Global  
Geothermal  
Community  
Now!

[Click here](#)



ASOCIACIÓN GEOTÉRMICA COLOMBIANA



Bundesverband  
Geothermie



Iranian Geothermal Energy Association  
IGEA  
انجمن انرژی زمین گرمایی ایران



Hungarian Thermal Energy Society  
Georgian Geothermal Association  
Geothermal Association of North Macedonia  
Peruvian Geothermal Association  
Russian Geothermal Energy Society  
Serbian Geothermal Association

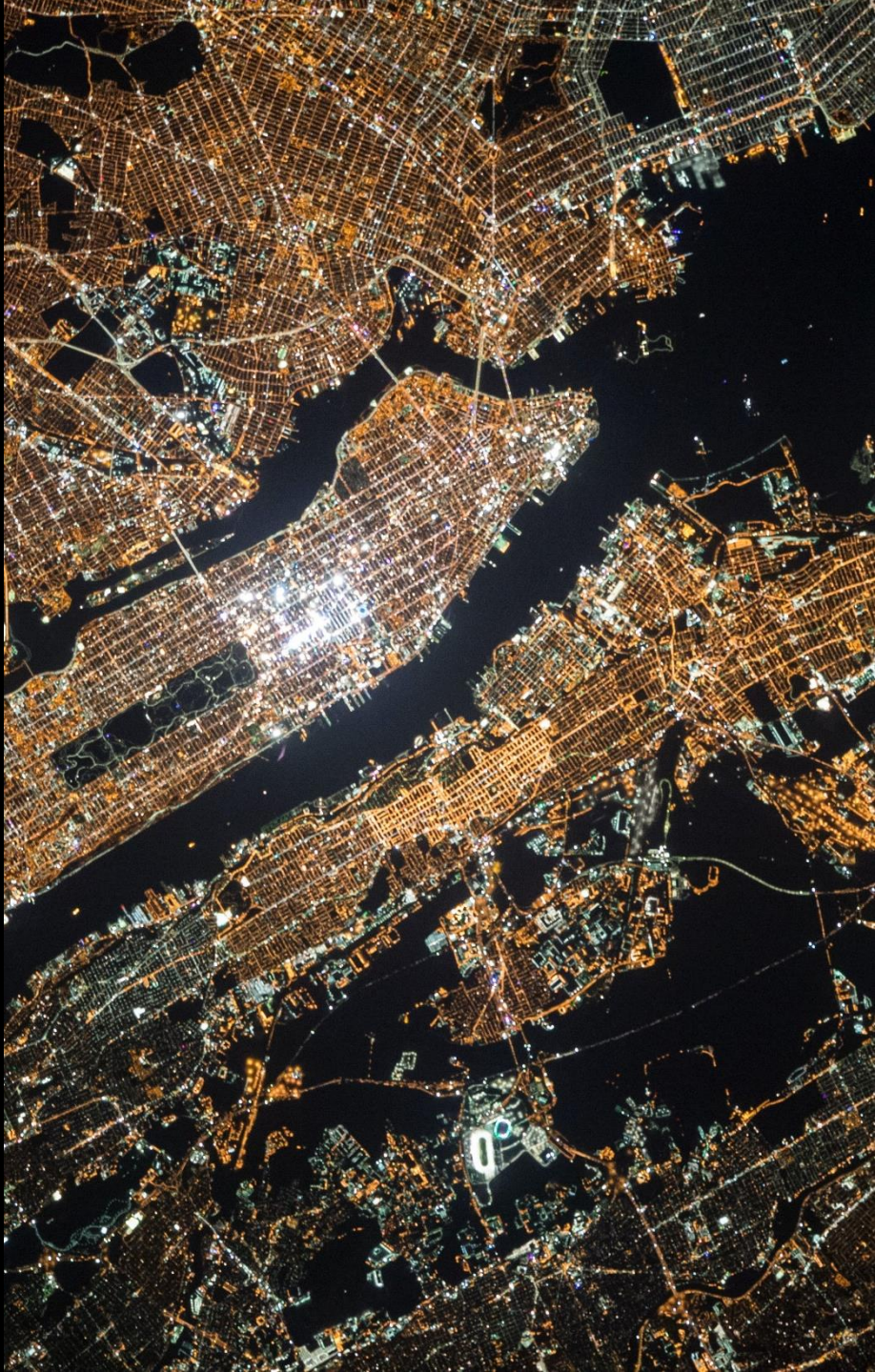




# OUR INITIATIVES & STRATEGIES

IGA Geothermal Ambassador Programme  
World Geothermal Congress 2020 & 2023  
UNFC Deployment: Ethiopia & Indonesia 2019





Standardized way of collecting the global geothermal power and heat data.

\*

The IGA Geothermal Ambassador Programme is aimed at robust and engaged data collection. By using the local to local approach, the national individual or group country representatives collect and analyze the state-of-the-art data. To ensure the high data quality the peer-review process is implemented.

\*

Be part of a family and help create a joint message. Reach out to us if you want to become the IGA Geothermal Ambassador:

[iga@lovegeothermal.org](mailto:iga@lovegeothermal.org)

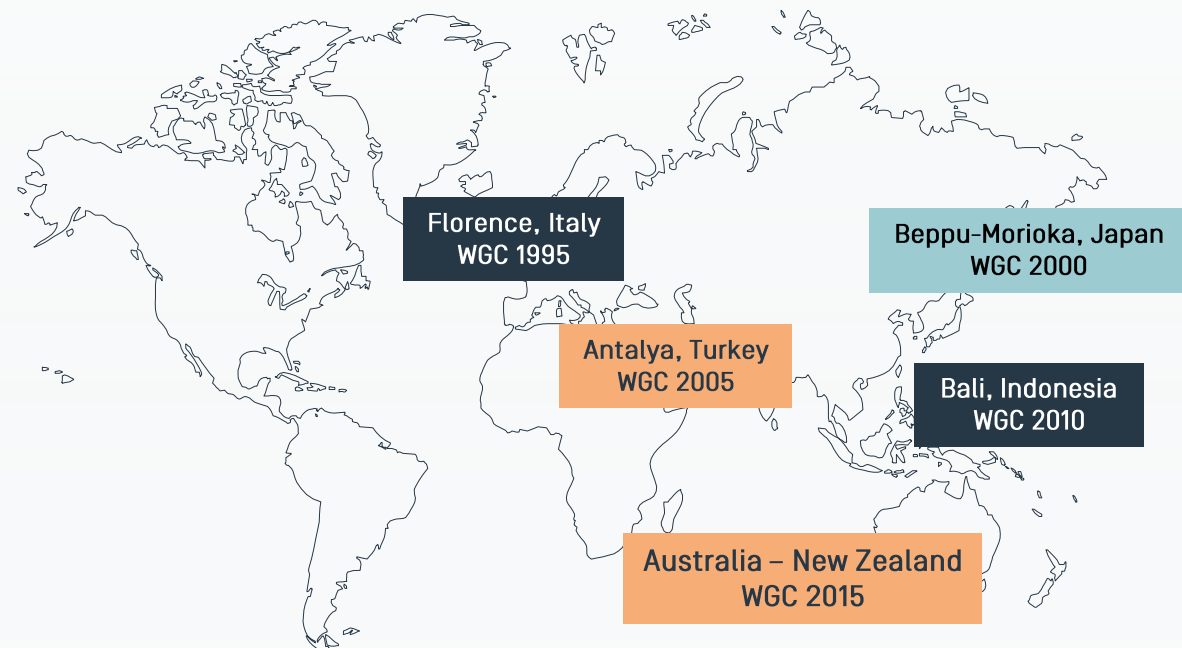
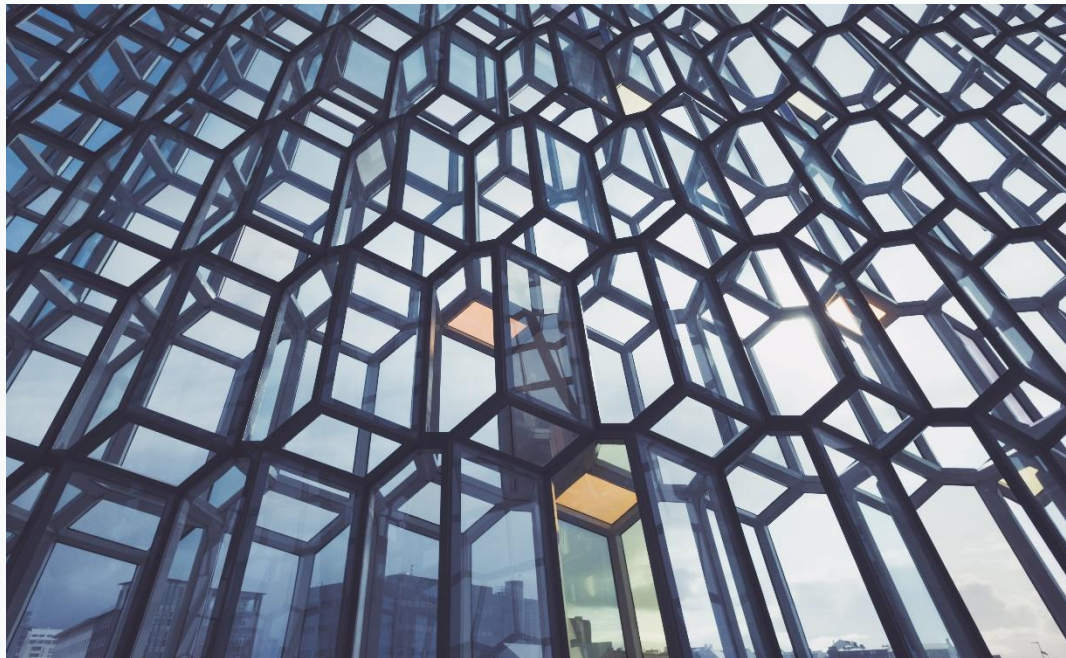
#### Some highlights of a new data approach:

- Transparency
- Quality control
- Reliability
- Consistency
- Clear reporting standards
- Growth through collaboration



# WORLD GEOTHERMAL CONGRESS | OUR FLAGSHIP

World Geothermal Congress is the main geothermal event for the Global Geothermal Community.



The World Geothermal Congress 2020 has been postponed and will now take place on 21-26 May 2021 in Reykjavik, Iceland.

We will do our utmost to ensure that WGC2021 in Reykjavik will be the greatest World Geothermal Congress ever! We are looking forward to seeing you there.

Visit [www.wgc2020.com](http://www.wgc2020.com) for more information.



**WORLD  
GEOTHERMAL  
CONGRESS  
2020 REYKJAVIK**



# WORLD GEOTHERMAL CONGRESS 2023



The honor to be the host of the World Geothermal Congress 2023 was awarded to China. The IGA Board of Directors has voted for China after careful evaluation of three bid books coming from China, Italy and Russia. The voting was done after presentations to the IGA Board in Auckland, New Zealand on November 28, 2019.

The IGA is grateful for the great interest shown to host the World Geothermal Congress 2023 and congratulates China for its winning bid.





# UNFC Pilot Project: Ethiopia & Indonesia



Classification of resources is the basis on which coherent and reliable energy policies are formulated by governments to sustainably manage their resources. Classification also makes it easy for industry players to assess natural resource prospects, and to appropriately allocate capital.

For geothermal energy, the IGA works with IRENA, World Bank Group and the UNECE to deploy the UNFC geothermal specifications as we have now a comprehensive system that provides coherent, reliable and globally comparable data. The value add is the potential to facilitate increased efficiency in policymaking and in public resource management. Users from industry across the world operating in the energy markets would have a concise way of evaluating investment prospects in the sector, and in preparing better pitches to secure financing from the international capital markets. The IGA worked on the UNFC pilot project in Ethiopia and Indonesia in 2019 and full reports can be found [here](#).





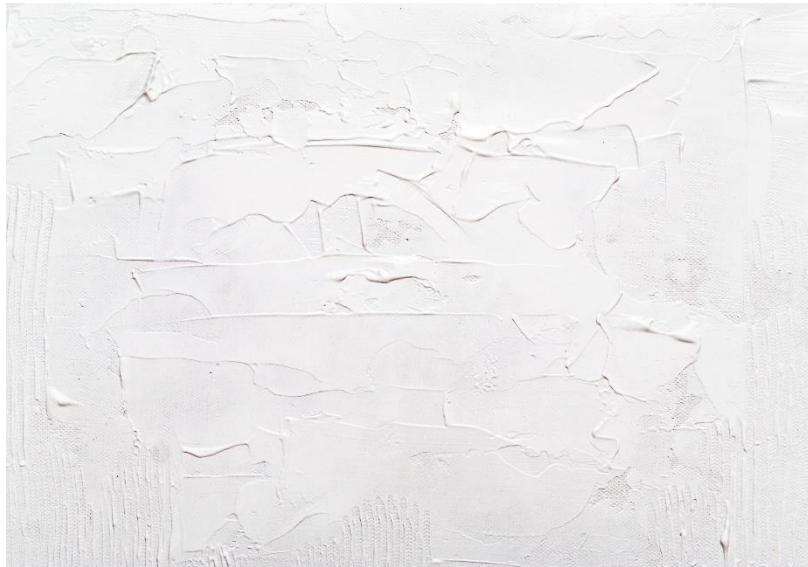


# OUR JOURNEY & OUTLOOK

Focus in 2020  
Financial Overview



## OUTLOOK FOR 2020



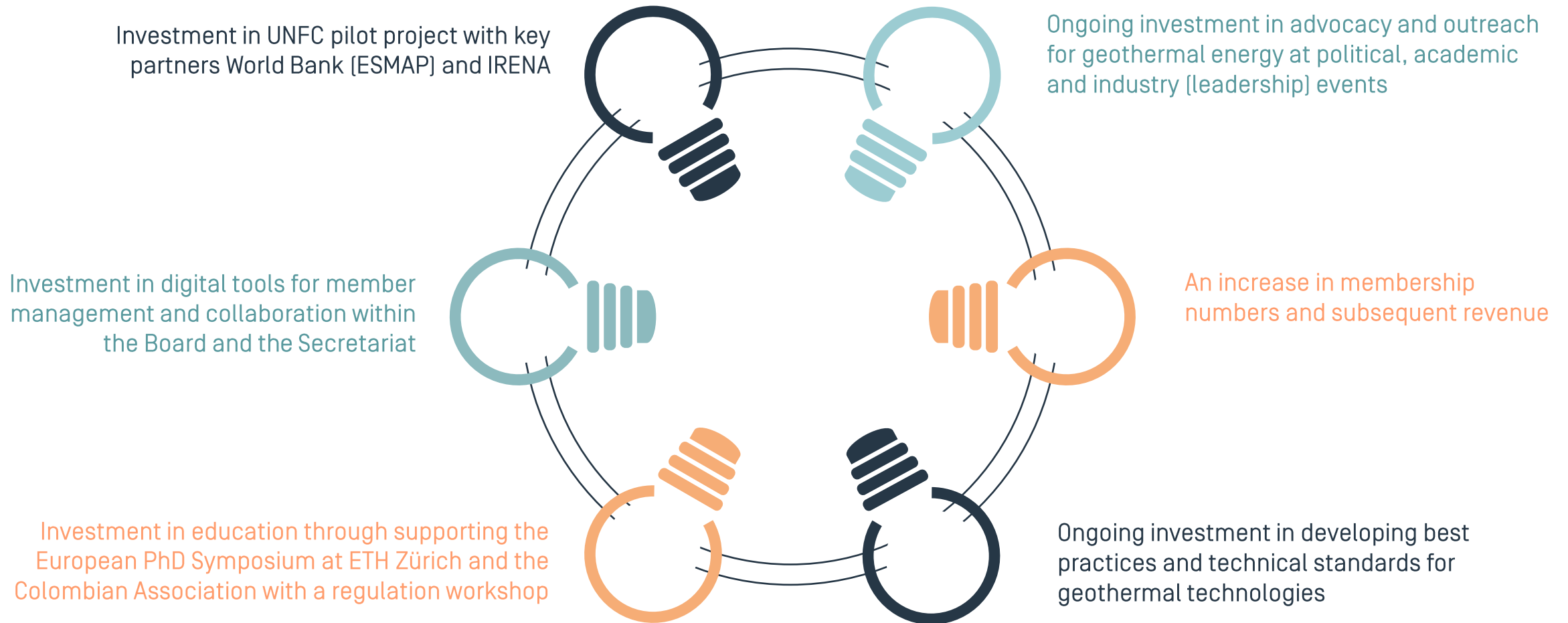
## Consolidating the transition

In 2020 we aim to solidify our industry representation while continue delivering value to our international members through services we provide. You will see a stronger IGA Academy ready to offer you a wide array of course choices. We aim to continue the deployment of the UNFC through workshops as well as having a solid discussion on GSAP with our partners.

One of the main priorities for the upcoming year will be an introduction of an open-access high-quality heat and power database as well as the establishment of stronger connections to our partners and friends in geothermal community and beyond.



# Financial Overview







# ACKNOWLEDGMENTS



# OUR PARTNERS





Copyright © International Geothermal Association [IGA] 2019

Unless otherwise stated, material in this publication may be freely used, shared, copied, reproduced, printed and/or stored, provided that appropriate acknowledgment is given of International Geothermal Association as the source and copyright holder. Material in this publication that is attributed to third parties including media content may be subject to separate terms of use and restrictions, and appropriate permissions from these third parties may need to be secured before any use of such material.

All pictures are credited © Nuno Antunes, Daniel Schoibl, Ardiss Hutaff, Tyler Lastovich, Nick Nice, Giammarco Boscaro, Lubo Minar, Patrick Schneider, Nasa, Lance Anderson, Hanson-Lu, Li-Yang, SamBeasley, Annie Spratt, Trevor Cole, Hu Chen, Steve Johnson, Andrew Buchanan, Olga O, James Wainscoat, Donald Giannatti, Silas Baisch on Unsplash and cfotografem from Free Photos.

### About International Geothermal Association

The IGA aims at being the leading world authority in matters concerning the research and development of geothermal energy by setting educational standards and offering worldwide energy solutions and in-house technical support, with special support for countries in early stages of geothermal development.

We connect the Global Geothermal Community, serving as a platform for networking opportunities aimed at promoting and supporting global geothermal development. We embody a wide variety of members ranging from academy to industry representatives.

Website: [www.lovegeothermal.org](http://www.lovegeothermal.org)





