



GLOBAL GEOTHERMAL ALLIANCE



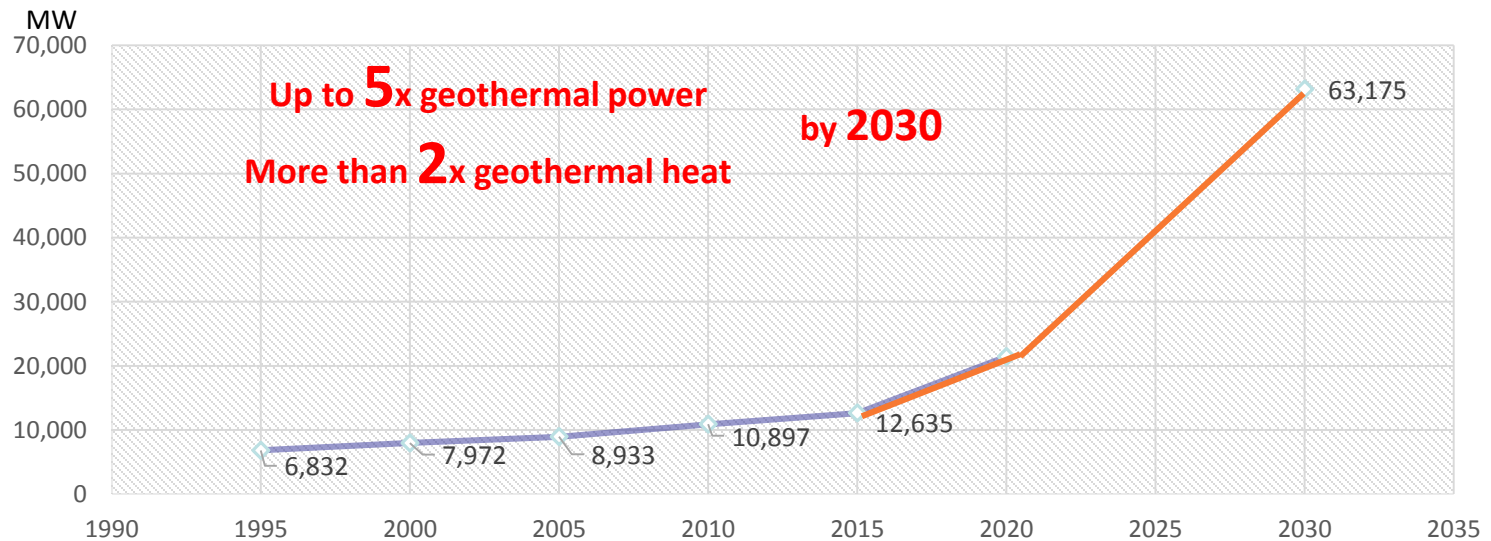
Global Geothermal Alliance: A Global Partnership for Geothermal Energy

Florence - 11 September 2017

High-Level Conference of the Global Geothermal Alliance

Global platform for improved dialogue, cooperation and coordinated action among key geothermal stakeholders to scale up geothermal deployment

Geothermal Power Installed Capacity Worldwide



Source: IRENA Remap 2030

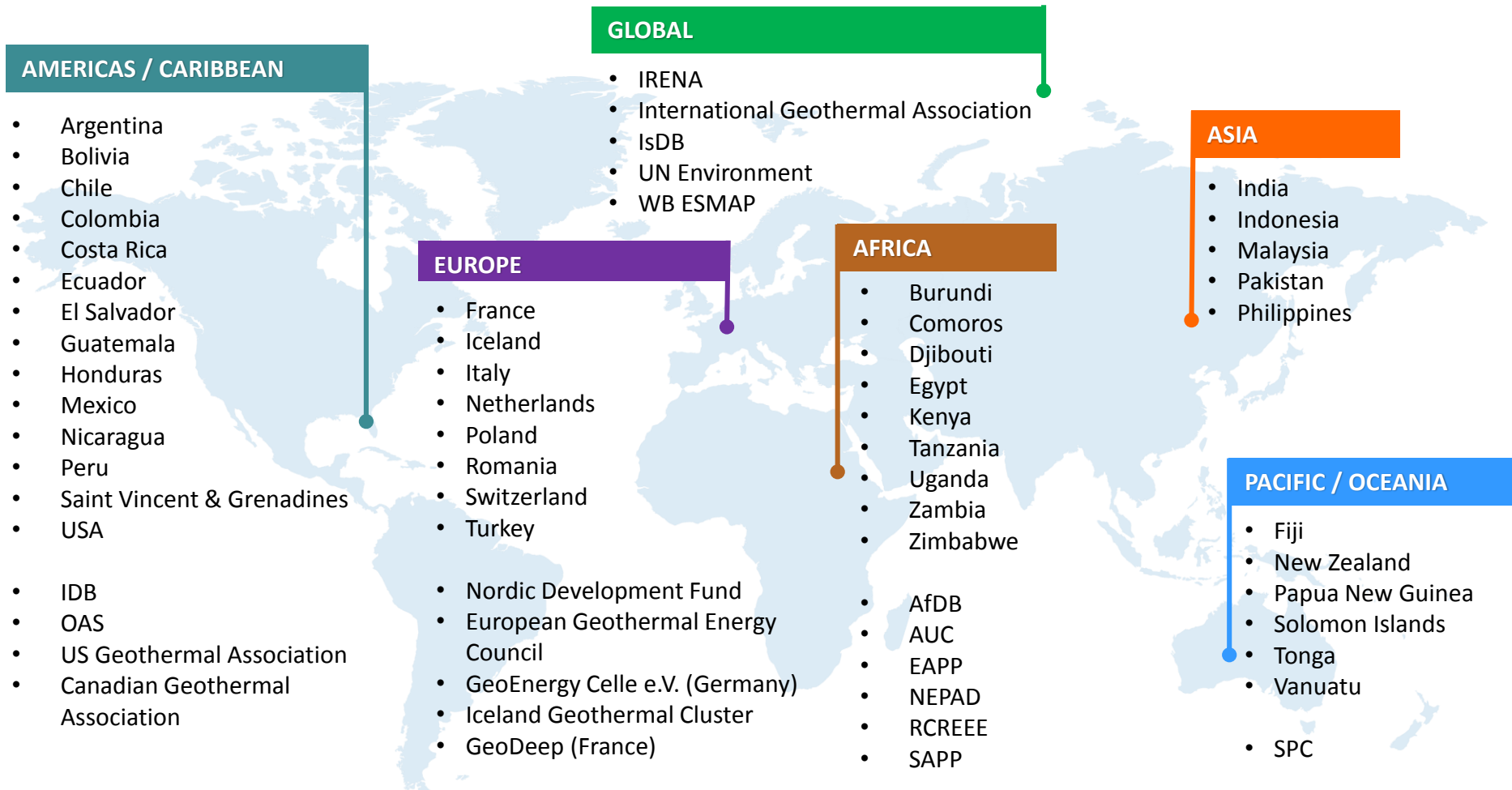
A Joint Communiqué issued at the GGA Launch

- Neutrality and transparency
- Build on what is on the ground and scale up
- No bureaucracy
- Enabling most mature projects or countries with transformative potential
- Unlocking projects facing policy, legal, regulatory, fiscal, funding, capacity building challenges

Strong Commitment to GGA

Over 70 Members and Partners

GGA MEMBERS - 42 COUNTRIES ACCROS THE GLOBE



GGA PARTNERS – 29 INSTITUTIONS ACCROS THE GLOBE

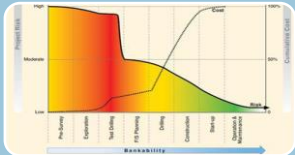
INDUSTRY, FINANCIAL INSTITUTIONS, REGIONAL AND DEVELOPMENT ORGANIZATIONS, ACADEMIA AND RESEARCH



Resource and Market Assessment



Needs and Obstacles Assessment



Enabling Frameworks



Networking and Outreach

Action Area 1

Resource & Market Assessment

- Enrichment of the **geothermal datasets** in the IRENA Global Atlas
- **Geothermal market status** (East Africa)

Action Area 2

Needs and Obstacles Assessment

Action Area 3

Enabling Frameworks

Regional and Thematic
Capacity Building

IRENA Tools and Analysis

Call for Proposals

Capacity Building

Regional and Thematic Initiatives

Geothermal Energy Initiative in the Andes



- Legal and Regulatory Frameworks
- Technical – Environmental Licensing & Reservoir Modelling
- Finance and Risk Mitigation
- Geothermal Skills Needs Assessment Methodology

Geothermal capacity building in **Central America**



Geothermal financing and risk mitigation in **East Africa**



Geothermal capacity building in the **Pacific**



Capacity building on RE options for **district heating** (with geothermal focus)

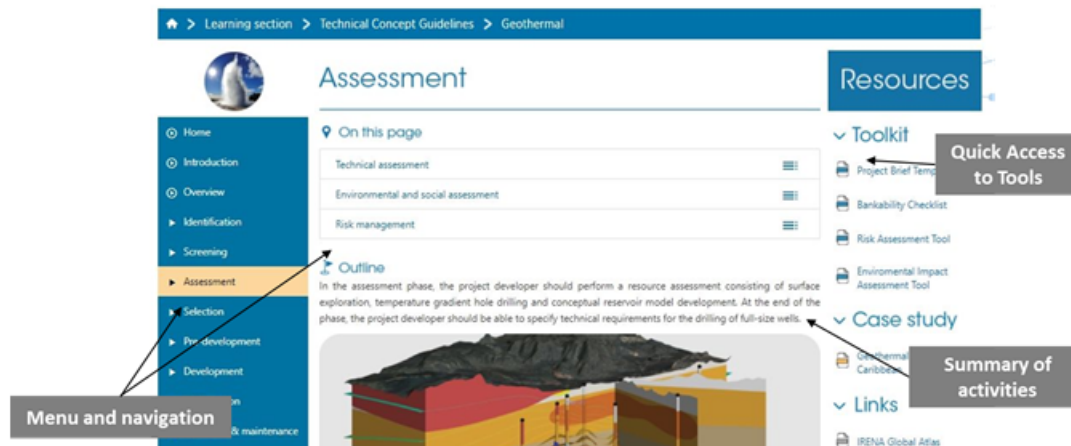
IRENA Tools: Project Facilitation

Project Navigator: Geothermal Module

**Launched in
September 2017**



Tailored project development guidelines available at no cost
to enhance the bankability of geothermal power projects



Sign up for a free
Navigator webinar
on Geothermal



State-of-the-art guidance, tools, and templates
developed by IRENA with industry experts

Flash the QR code
or register here:
<https://goo.gl/CKBTvb>

Find out more at www.irena.org/navigator

IRENA Tools: Project Facilitation

Marketplace & RE Project Financing Facility with ADFD

SUSTAINABLE ENERGY MARKETPLACE



"We have real evidence of the increasing worldwide consensus that a sustainable energy future powered by renewables is within reach."
Adnan Z. Amin - Director General



NEW
The Sustainable Energy Marketplace will soon expand to Asia, Southern and Eastern Europe and the Pacific region. If you are seeking to find support or finance projects, please fill out the contact form [available here](#) to be notified when the global platform is open for registration.

ACCESS TO
CARIBBEAN PORTAL

ACCESS TO
LATIN AMERICA PORTAL

ACCESS TO
AFRICA PORTAL

Online platform to support
project initiation, development
and access to financing

IRENA ADFD

Supporting Energy Transition



Navigation: About | How it works | How to apply | Funding | Projects selected | Latest updates | FAQ | Contact us

About the Project Facility

IRENA and the Abu Dhabi Fund for Development (ADFD) have collaborated to create a joint Project Facility to finance transformative and replicable renewable energy projects in developing countries.

[Read More](#)

Latest updates

5th Cycle
webinar presentation

[Read More](#)

Projects selected

IRENA ADFD

In 2014, ADFD endorsed the IRENA and ADFD joint project facility to finance transformative and replicable renewable energy projects in developing countries.

[Read More](#)

How it works

IRENA carries out its project screening and recommendation process as detailed out in the Guidelines for Applicants...

[Read More](#)

Funding

The ADFD provides sovereign funding to governments of developing countries in the form of concessional loans to support their...

[Read More](#)

How to Apply

LOGIN

Username:

Password:

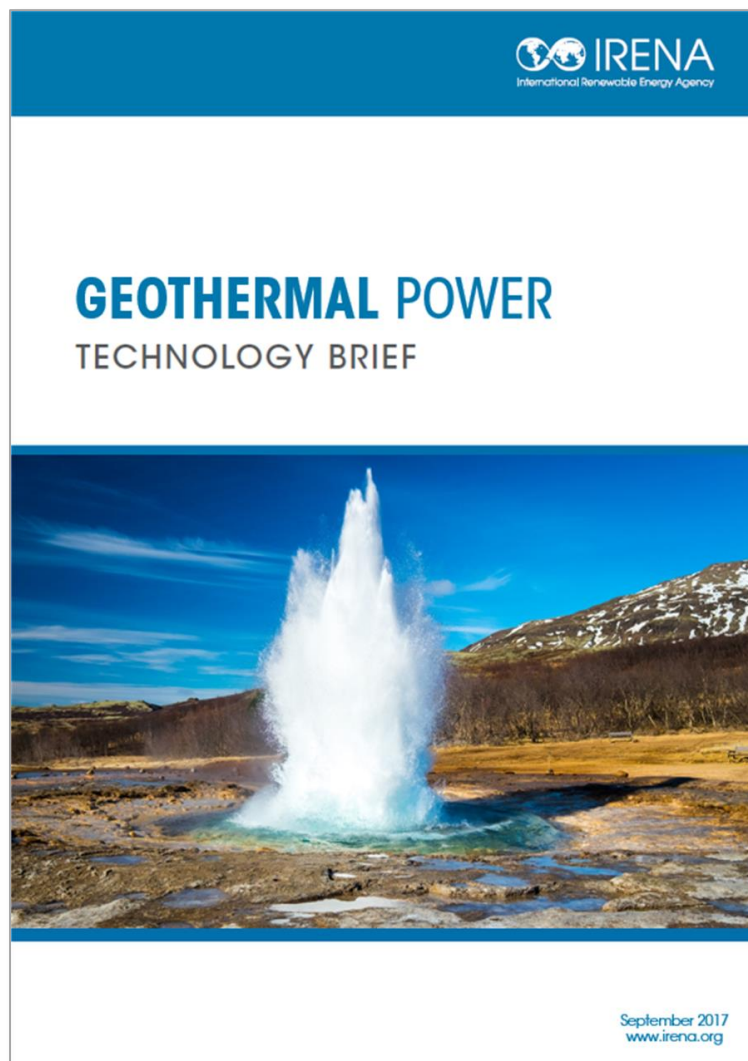
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FAQ

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Concessional financing for
innovative renewable energy
projects

IRENA Analysis: Geothermal Power Technology Brief



Insights for Policy Makers

- » Process and technology status
- » Costs
- » Potential and barriers

**Launched in
September 2017**

GGA Action Plan: Network and Outreach

New GGA Website: www.GlobalGeothermalAlliance.org



GLOBAL
GEOTHERMAL
ALLIANCE

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ABOUT

MEMBERS AND PARTNERS

GGA ACTION PLAN

TOOLS

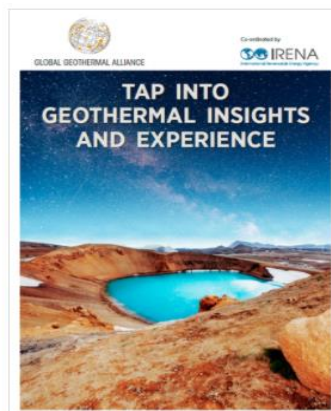
EVENTS

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ABOUT US



 Download

Launched at COP21*, the Global Geothermal Alliance (GGA) serves as a platform for dialogue, cooperation and coordinated action between the geothermal industry, policy makers and stakeholders worldwide.

As stated in the [Joint Communiqué on the Global Geothermal Alliance](#), the GGA is a coalition for action to increase the use of geothermal energy, both in power generation and direct use of heat. It calls on governments, business and other stakeholders to support the deployment of realising geothermal potential. The Alliance has an aspirational goal to achieve a five-fold growth in the installed capacity for geothermal power generation and more than two-fold growth in geothermal heating by 2030.

What the GGA is designed to do?

- foster an enabling environment to attract investments in geothermal energy;
- provide customised support to regions and countries with geothermal market potential;
- facilitate the exchange of insights and experience among key stakeholders in the geothermal energy value chain;
- identify and promote models for sharing and mitigating risks, in order to attract private investment and integrate geothermal facilities into energy markets.
- help to streamline outreach efforts to give geothermal energy greater visibility in the global energy and climate debates.

Launched in September 2017

GGA Action Plan: Network and Outreach



GGA Presentation
(GEA International
Showcase)

GGA Action
Plan
Adopted

GGA Session
(New York)

GGA Presentation
Geothermal Energy
International Forum

Capacity Building
workshop in El Salvador

2016

2017

Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

GGA Presentation (Iceland
Geothermal
Conference - Reykjavik)

GGA Session
(Journées
Européennes de la
Géothermie -
Strasbourg)

GGA Session
(GEA Expo / GRC
Annual Meeting -
Sacramento)

2nd Annual
GGA
Meeting

High Level GGA
Conference

- ✓ **Nov 2017, Bonn:** GGA event at COP 23
- ✓ **Dec 2017, Nairobi:** Workshop on geothermal financing and risk mitigation
- ✓ **Jan 2018, Abu Dhabi:** 3rd Annual GGA Meeting

Upcoming events



GLOBAL GEOTHERMAL ALLIANCE

THANK YOU

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International Renewable Energy Agency

www.irena.org

Global Geothermal Alliance

www.GlobalGeothermalAlliance.org

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