Geothermal energy

- Mature clean technology
- Stable base-load power
- Direct use of geothermal heat
- Competitive prices

- High upfront costs of surface studies & drilling
- Policy uncertainty
- Shortage of skilled professional
- Perceived environmental issues and licensing
- Low awareness

Modest growth of 3-4% per year
Objective

**Geothermal Power Installed Capacity**

By 2030*:

- Up to 5x geothermal power
- More than 2x geothermal heat

*Remap 2030
**Members & Partners**

**Countries**
- **Africa**: Burundi, Djibouti, Egypt, Kenya, Uganda, Zimbabwe
- **Asia**: Indonesia, Malaysia, Pakistan, Philippines
- **Europe**: France, Iceland, Poland, Turkey
- **America**: Bolivia, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Peru
- **Small islands**: Fiji, Papua New Guinea, Saint Vincent and the Grenadines, Tonga

**Members**

**Partners**
- **Develop. Partners**
- **Industry**
- **Research & Academia**

**Development partners**: AfDB, AUC, IADB, EAPP, IRENA, NEPAD, Nordic Development Fund, SAPP, UNEP, WB–ESMAP

**Industry**: European Geothermal Energy Council, International Geothermal Association

**Geothermal research institutions and academia**: Andean Geothermal Centre of Excellence of Chile, Serbian Geological Society, Energy Institute Hrvoje Pozar, AGH University of Science and Technology
Scope of activities

GLOBAL GEOTHERMAL ALLIANCE

Platform for dialogue and coordination

Customized technical assistance and advisory support

Capacity building

Outreach and awareness raising
Platform for dialogue, cooperation & coordination

Create synergies

Maximize complementarities

Avoid overlapping efforts and duplication
Build on & coordinate wt

International Geothermal Association (IGA)

Global geothermal development plan (WB ESMAP)

International cooperation in geothermal R&D (IEA)

International Partnership for Geothermal Technology (IPGT)

Geothermal risk mitigation facilities in East Africa (GRMF) and Latin America (GDF)
Customized technical assistance and advise

GLOBAL GEOTHERMAL ALLIANCE

Creation of enabling regulatory and institutional conditions

Promotion of geothermal energy investments
Capacity building

- Capacity needs assessment & needs-driven & targeted CB
- Design and implement CB programs
- Strategic partnerships
Outreach & awareness raising

GLOBAL GEOTHERMAL ALLIANCE

Advocacy events
GGA website
Communication materials
Launched on 23 September 2014 at the Climate Summit

STRATEGIC OBJECTIVE:
• Enabling a sustainable energy transformation for people on the front line of climate change on small islands around the world
• Enhancing energy independence and economic prosperity on SIDS

MAIN ELEMENTS:
• Accelerated RE deployment in the power sector
• Well structured systems transitions
• Information Exchange
• Capacity Building

TARGETS by 2020:
• USD 500 mil mobilized
• 100 MW of new solar PV
• 20 MW of new wind
• Significant quantities of other RE technologies
• All participating SIDS have RE roadmaps
27 SIDS and 19 development partners
- Antigua & Barbuda, Aruba, Bahamas, Barbados, Belize, Cape Verde, Cook Islands, Federated States of Micronesia, Fiji, Grenada, Guyana, Kiribati, Maldives, Republic of the Marshall Islands, Mauritius, Nauru, Niue, Palau, Saint Vincent & the Grenadines, Samoa, Sao Tome and Principe, Seychelles, Solomon Islands, Tonga, Trinidad and Tobago, Tuvalu, Vanuatu
- Carbon War Room, Clinton Climate Initiative, ENEL, European Union, France, Germany, Indian Ocean Commission, IRENA, Italy, Japan, New Zealand, Norway, SE4ALL, Rocky Mountain Institute, UNDP, United Arab Emirates, United States of America, World Bank Group
Administrative aspects

Operational principles
Governance
Secretariat
Joining the Alliance
Communication
Funding
GGA concept introduced
Consultations with GGA partners
Multi-stakeholder meeting to finalize GGA concept

GGA Joint Statement announced
Consultations with IGA and geothermal associations

Ascent meeting
UN Climate Summit
IRENA 5th Assembly
World Geothermal Congress
Kenya 15 June 2015

Launch

2014
2015
Thank you.