

**High-Level Roundtable on
“Geothermal in the Global Energy Transformation: What way
forward?”**

IRENA Pavilion, Bonn Zone, Bonn, Germany

16 November 2017, 14:30-16:00

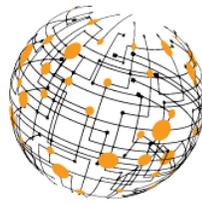
Concept Note

BACKGROUND

The widespread deployment of geothermal energy can play a substantial role in mitigating climate change and in accelerating the global energy transition. Innovative geothermal applications have been developed and hold potential to reduce greenhouse gas emissions and primary energy consumption in electricity as well as for heating and cooling in industry, agriculture, residential and non-residential sectors. Yet, while the expansion of renewable energy is unprecedented, geothermal energy continues to progress more slowly than other technologies, such as solar PV and wind. In this context, international cooperation and partnerships are essential to address the challenges facing geothermal deployment and to unlock investments on a global scale.

The Global Geothermal Alliance (GGA) initiative, launched during COP21 in December 2015, serves as a global platform for improved dialogue, cooperation and coordinated action among policy makers, industry, and other stakeholders. The Alliance, composed of over 70 member countries and partner institutions from across the globe, aims to improve the environment for geothermal energy development so to achieve a five-fold growth in the global installed capacity for geothermal power generation and a two-fold growth for geothermal heating by 2030. The GGA is designed to provide customised support to regions and countries with geothermal potential, facilitate the exchange of insights and experience among key stakeholders, and provide technical assistance, advice, and capacity building.

With the ‘Florence Declaration’, the outcome of the first High-Level Conference of the Alliance held in Italy in September 2017 and co-organized by Italy and IRENA, governments reaffirmed the broad commitment to the Initiative as a key platform to strengthen the necessary regulatory,



financial, and technical frameworks along with institutional and human capacities needed to scale up geothermal deployment.

Building on the renewed momentum, the event will gather high-level representatives to examine how geothermal energy can play a role in the achievement of decarbonisation goals and in the implementation of nationally determined contributions (NDCs).

The event will also offer an opportunity to discuss how the GGA can further contribute to facilitating the exchange of experiences and best practices, mobilising finance to unlock geothermal investments and providing modern and sustainable energy services for all countries.

OBJECTIVES

The roundtable discussion will focus on:

- *The role of geothermal energy in the achievement of medium- and long-term decarbonisation goals;*
- *Key challenges and possible solutions to unlock geothermal investments;*
- *The contribution of international cooperation under the umbrella of the Global Geothermal Alliance to accelerating the deployment of geothermal energy across the globe.*