



Uganda

Applicant: Ministry of Energy and Mineral Development

National Designated Entity:
Mr. Maxwell Otim Onapa, Uganda
National Council of Science and Technology

Duration: 12 months

Status: Completed

Budget: 194,000 USD

Technical Assistance Planned by: UN
Environment & National Renewable
Energy Laboratory

Implemented by: Carbon Counts

Developing a policy, legal and regulatory framework for geothermal energy

CONNECTING COUNTRIES TO CLIMATE TECHNOLOGY SOLUTIONS

The Climate Technology Centre and Network promotes the transfer of climate technologies at the request of developing countries for energy efficient, low-carbon and climate resilient development.

By connecting stakeholders with technology experts from around the world, the CTCN delivers customized capacity building and technical assistance aligned with national climate objectives.

CHALLENGE

Geothermal technology has a great potential to provide affordable, efficient, large scale, renewable power to Uganda. However, there is a lack of a clear and coherent geothermal policy, legal and regulatory framework to promote and facilitate geothermal energy production in the country.

CTCN SUPPORT

- Review and analysis of global experiences in geothermal energy development to convey key recommendations for policy, legal and regulatory development
- Wide consultation with government, industry, donors, financiers and local communities to identify their needs and concerns regarding geothermal energy development in Uganda
- Formulation of a policy, law and institutional framework that enables sound governance of the geothermal energy production while attracting private sector investments

INTENDED IMPACT

Once an appropriate policy and legal framework has been implemented, the development of 100 MW of geothermal energy production can provide a clean, secure, reliable and affordable source of power for over 500,000 households.

THIS PROJECT ADVANCES

Uganda's Nationally Determined Contribution to:

- Promote a national target for renewable electricity generation capacity of at least 3,200 megawatt by 2030
- Geothermal energy and electricity production are expected to play a key role in meeting the national target

SUSTAINABLE DEVELOPMENT GOALS



What is climate technology?

Any equipment, technique, practical knowledge or skills needed to reduce greenhouse gas emissions and/or adapt to climate change. This includes modern and traditional technologies

THE STORY

Based on favourable geological conditions, the Government of Uganda has been pursuing a strategy for geothermal energy for a number of years. In 2014, a key step forward was achieved with the restructuring of the Ministry of Energy & Mineral Development and the establishment of the Geothermal Resources Department within the Directorate of Geological Survey and Mines.

Learn more about CTCN technology transfer

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The CTCN is the operational arm of the UNFCCC's Technology Mechanism and is hosted by the United Nations Environment and the United Nations Industrial Development Organization (UNIDO).

Reinforcing the Department's capacity is considered vital to creating an enabling environment for geothermal energy production. In part, this can be achieved by more clearly identifying its role in terms of its mission, policy and legal mandate, structure and competencies to support technical awareness and investments in geothermal energy production. As a response to this vital demand, the CTCN Technical Assistance supported the development of a geothermal energy policy for Uganda, as well as a proposed institutional structure and draft geothermal energy law.

Establishing such an enabling environment through a revised and improved policy and regulatory framework will strengthen Uganda's position to attract finance for large scale investments in geothermal technologies and contribute to greater energy security as well as the country's continued economic and climate friendly development for years to come.

The CTCN gratefully acknowledges the support of :



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MINISTRY FOR FOREIGN AFFAIRS OF FINLAND



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