Promoting UNFC Geothermal Specifications to governmental institutions in Central America (TC Project: Identification of Geothermal Resources in Central America)
German Cooperation

Identification of Geothermal Resources in Central America

Partner: SICA – Central American Integration System

Activities with governmental stakeholders of: El Salvador, Guatemala, Nicaragua, Costa Rica and Honduras

Funding: up to 1,5 Mio. EUR, Ministry of Economic Cooperation and Development BMZ

Duration: actual phase until June 2020
Aiming At

*Technical-Scientific Capacity Development of governmental institutions in Centralamerica for the generation, processing and distribution of data for the identification of geothermal resources*

**UNFC relevant indicator:** 2 out of 4 countries have agreed on quality standards for geothermal exploration!
## Challenge of Regional Disparity

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a) Main expertise in geothermal exploration in El Salvador and Costa Rica

b) Geoscientific Working Group (Advisory Services to political level) in UCE- SICA
Challenges of Capacity

- Lack of HR
- Lack of Qualified HR
- Interpretation Capacity of Data

Development of capacities in existing and future employees (Trainings Courses, Training on the Job, Knowledge Transfer and Support to Academic Curricular Development)

- Lack of structured data (even on basic level)
- Converting Data into available Information

Implementation of Standard Procedures/ Guidelines etc. that allow the creation of Comparable data → e.g. Geophysical Practice Guide, UNFC Geothermal Specifications
Challenges of Promoting the UNFC Geothermal Specifications in C.A.

- Not known in the Region
- No Spanish version
- No experience in the region
- Investment based (Time and Funds)
- Lack of Trust in the Concept (is it applicable in the region?)
- Number of projects in different development levels → dynamic promotion on the job

Promoting to Political Level (Decision Making) → Workshops

Promoting to Technical Level (Applying) → Workshops and Training
Achievements until 04/2019

Presentation of the UNFC Geothermal Specs in Cooperation Events

→ CR and Nicaragua expressed interest to verify the possibility of application

→ Document in spanish needed
Achievements until 04/2019

Translation UNFC Geothermal Specifications and Case Studies into Spanish

➔ Tackling the Language Barrier

➔ Enable the promotion of the UNFC Geothermal Specifications

Publishing 04/2019

Especificaciones para la aplicación de la Clasificación Marco de las Naciones Unidas para la energía fósil y los recursos y reservas minerales 2009 (CMNU-2009) respecto a los Recursos de energía geotérmica

Dado en Ginebra el 30 de septiembre de 2016
Outlook

Technical Training on UNFC Classification (focus Geothermal Specs) with IGA

→ For experts of mandating exploration institutions (government)´
   (Geocientific Working Group SICA)

→ Curriculum for academic utility (Autonomous University of Honduras and LaGeo in El Salvador expressed interest)

Nice to have but funding depended:

1. Option to apply UNFC in community projects
2. Create a link to exploration guidelines
3. Digital Development (Apps)
Thank you for your attention!

www.bgr.bund.de