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DEUTSCHE ZUSAMMENARBEIT



Country engagement and case studies

Promoting application of UNFC to geothermal in the SICA Region
Sulamith Kastl- BGR



EGRM-11 Special session
Overcoming barriers to scaling up Renewable Energy
23 September 2020



Country engagement and case studies

Promoting UNFC Geothermal Specifications in the SICA Region



UNECE

Situation Central America until 2019

UNFC is not known in the region by important stakeholders

No spanish version of UNFC

No experience regarding the UNFC in the region

Is UNFC applicable in the region?



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UNECE

Activities since 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

UNFC in Spanish
04/2019

Presentation to GTG (SICA)

GTG considers UNFC in Activity Planning 2019-2020
06/2019

ICE (CR) applies UNFC to 3 Geothermal Development Projects
12/2019

UNFC Training
02/2020



GTG Activity Planning 2020/2021 considers application of UNFC



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UNEP

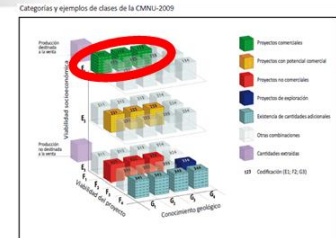
Case Studies 2019



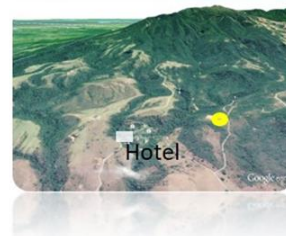
PROSPECTO
GEOTÉRMICO
POCO SOL



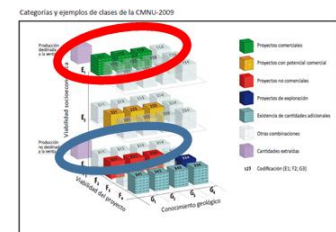
CLASIFICACIÓN
E3/F3/G1+G2
E3.3/F3.2/G1+G2



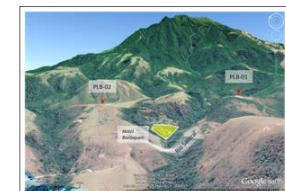
PROYECTO
GEOTÉRMICO
PLB-01
BORINQUEN



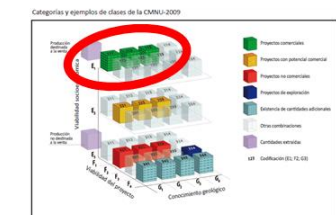
CLASIFICACIÓN
E3/F1/G1+G2
E3.3/F1.3/G1+G2



PROYECTO
GEOTÉRMICO
BORINQUEN I



CLASIFICACIÓN
E2/F1/G1+G2
E2/F1.2/G1+G2



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UNECE

Training Course 2020 with IGA and BGR

- Application to Project development in Nicaragua (ENEL)
- Evaluation of Case Studies lead to important discussions and questions which visualize certain needs for UNFC

Expressions are not always clear.

Local/regional/institutional perception needs to be considered, as this might cause controversial discussion in some countries and might even delimit the promotion of geothermal projects (e.g. “viability” (E category) or the role of political strategies (F category).



- Intensify the interaction with stakeholders on the ground to enhance the wording and applicability of the UNFC in the region
- Involvement of regional experts to Expert Group might be beneficial
- Make regional experts (up to 40 years of experience in Geothermal) part of the UNFC and not only understand them as “users”. They could serve as multipliers.
- Create Case Studies of Direct Use of Shallow Geothermal Resources



Thank you

Sulamith Kastl

Head of “Yacimientos II” Regional Project

Federal Institute for Geosciences and
Natural Resources BGR



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