

Partnering Opportunity

Profile status : Published

Research Development Request

HORIZON-CL5-2021-D3-03-15 A Spanish institution is seeking for partners to test a technological geothermal solution.

Summary

A Spanish public institution (coordinator) is preparing a proposal "Deep underground geothermic potential survey in the area of Ascó" to the Call: HORIZON-CL5-2021-D3-03-15.

The objective is to define the actual potential for the deployment and exploitation of a deep underground geothermal power plant in the area nearby to Ascó (Catalonia).

Looking for technological partners for its deployment; specially with partners with a new technology to test and deploy in the geothermal field.

Creation Date 29 September 2021

Last Update 04 October 2021

Expiration Date 12 November 2021

Reference RDES20210923001

Public Link <https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/f776a23a-d616-4c45-8f89-edba544202be>

Details

Description

Spain has a chronic lack in deep geological surveys which affect negatively to the deployment of geothermal energy in the peninsula but opens the door to the testing and development and field deployment of new probing techniques in geothermal survey and subsurface modelling. There's virtually no geothermal power plant in Spain

even when in most EU countries it has been deployed in a greater or smaller scale.

The project aims to define the actual potential for the deployment and exploitation of a deep underground geothermal power plant in the area nearby to Ascó (Catalonia).

The project will be based with a geophysical inspection survey down to 2000m depth supplemented altogether with a conventional testimony logging survey down to a 1000m, including the new temperature probe testing and deployment.

With all the data gathered they expect to be able to define depth of exploitation for geothermal generation of energy with a sizeable power plant and future output of a power plant located there securing its geothermal resources.

The title of the proposal is: "Deep underground geothermic potential survey in the area of Ascó" to be submitted to the topic HORIZON-CL5-2021-D3-03-15 "Solutions for more sustainable geothermal energy"

The Spanish institution is seeking for technological partners well versed in the proceedings required for its deployment; specially with future partners with a new technology to test and deploy in the geothermal field that require funding in order to do so and a survey project site to be implemented.

Call: HORIZON-CL5-2021-D3-03-15 "Solutions for more sustainable geothermal energy"

Call deadline: 23 Feb 2022

EOI Deadline: 12 Nov 2021

Single Stage

Project duration (estimation): 3 years.

Advantages and innovations

The main advantage of geothermal is the extremely low cost of operation and high energy output (comparable even to a nuclear power plant).

With the actual data they have, the area has susceptibility to geothermal potential but without a more localized survey it's impossible to evaluate the actual possibility of its deployment.

To attain this they will introduce a new thermal probe (thermometer) with greater precision and increase resulting subsurface model's exactitude.

Nevertheless, this call is actually mainly aimed to future partners with a technological novelty requiring field testing and funding.

Stage of development

Proposal under development

Comments Regarding Stage of Development

The technology behind the entire project is well tested and proved, nevertheless it has not been implemented in Spain to date. The new technical methodology to be deployed is in TRL4 right now and is expected to reach complete TRL8 by the end of this project with its deployment widely in the EU future surveys for geothermal exploration.

Comment Regarding IPR status

This is no new technology by itself but already proven technological deployment widely in action all around the globe which hasn't been field deployed in Spain.

Keywords

Technology

04002012	Other energy related machinery
04005001	Geothermal energy
04007001	Energy management

Market

06003005	Geothermal energy
06003008	Other alternative energy

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

ZEBROWSKI Pawel

Phone number

+48 91 449 43 64

Email

pzebrowski@zut.edu.pl

Open for EOI: **Yes**

Dissemination

Relevant sector groups

Environment
Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

0

Already Engaged in Trans-National Cooperation

No

Languages Spoken

English
Japanese
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Looking for technological partners (R&D Cooperation Agreement) well versed in the proceedings required for its deployment; specially with future partners with a new technology to test and deploy in the geothermal field that require funding in order to do so and a survey project site to implement.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

Solutions for more sustainable geothermal energy
TOPIC ID: HORIZON-CL5-2021-D3-03-15

Submission and evaluation scheme

HORIZON-RIA HORIZON Research and Innovation Actions.
Single-stage

Coordinator required

No

Acronym

PRONAS-geOthermAl SuRvey PROject IN AScó

Duration

156 days

Deadline for EOI

12 Nov 2021

Deadline of the Call

23 Feb 2022

Weblink to the call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-cl5-2021-d3-03-15;callCode=null;freeTextSearchKeyword=geothermal;matchWholeText=true;typeCodes=1,0;statusCodes=31094501,31094502,31094503;programmePer>

Attachments
