

**PROJECT:**

**Support to the Development of Geothermal Energy**

**LEAD INSTITUTION:**

AFD

**PARTNER:**

CIF

**TOTAL COST:**

€ 8,640,000

**CIF CONTRIBUTION:**

€ 2,140,000

**TYPES OF SUPPORT:**

Technical assistance

**DURATION PERIOD:**

Mar 2013 – Sep 2022

**DESCRIPTION:**

Dominica has an important geothermal power production potential, particularly the Wotten Waven area with a potential up to 120 MW. This gives the possibility of exporting clean and competitive power to the neighbouring islands of Guadeloupe and Martinique. Each island has an interest in importing up to 50 MW from Dominica.

The current project is the final step towards the materialization of the potentially largest geothermal power plant in the Caribbean with an overall cost currently estimated at EUR 500- 600 million. Besides its sheer size, its impact will be local, regional and global. The product will be highly beneficial to Dominica's economy as well as to the one of Guadeloupe and Martinique. It will bring major benefits in terms of climate change mitigation by substituting clean renewable energy to fossil fuel-based power production. It will also improve the islands' direct environment through increased regional cooperation.

**OBJECTIVE:**

The objective of this project is to support the Government of the Commonwealth of Dominica's policy for the development of geothermal resources. In particular, it will significantly increase the knowledge of the geothermal potential in Wotten Waven, allowing for a rapid start of an initial small power production aimed at the local market, preparing the concession that will exploit this reservoir and monitoring the concessionaire's operations initial investments.

**EXPECTED RESULTS:**

- Decrease macroeconomic risks linked to the fluctuation of fossil fuel prices.
- Reduced cost of energy and increase foreign currency reserves through export of energy to the French islands.
- Protect the unique natural environment of Dominica thanks to the use of renewable energy.
- Reduction of Greenhouse gas emissions by 420,000 T CO<sub>2</sub> every year.