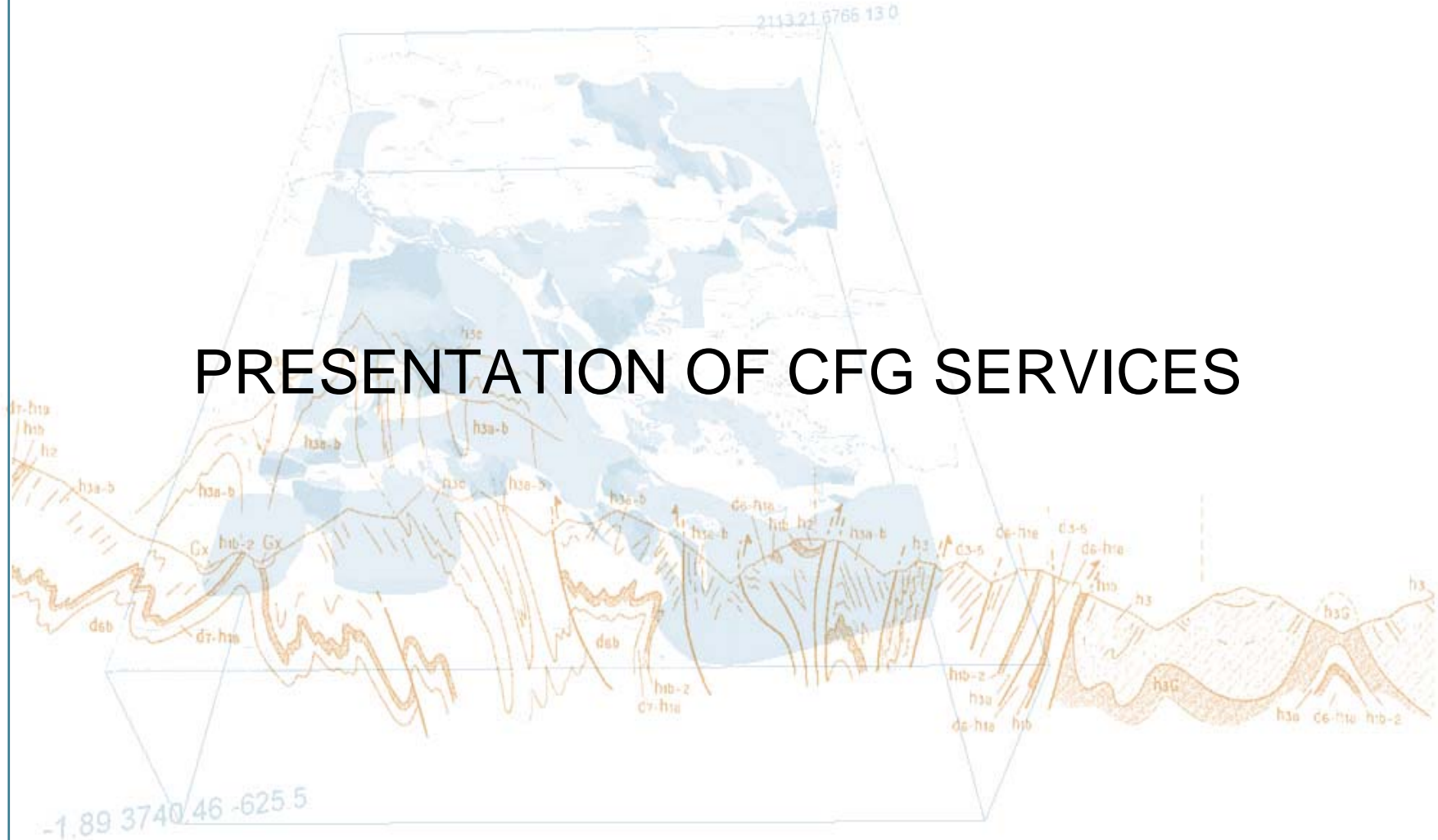
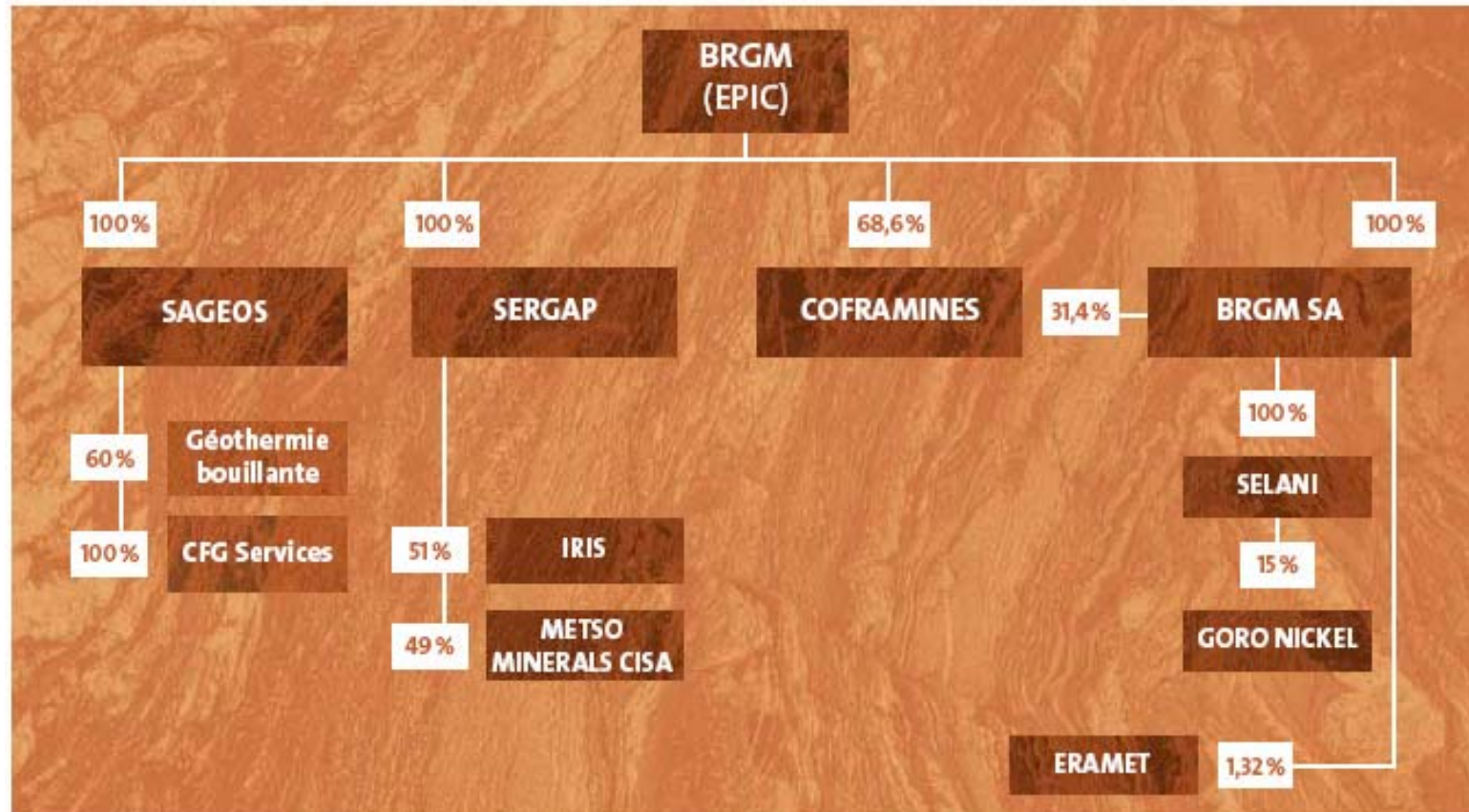




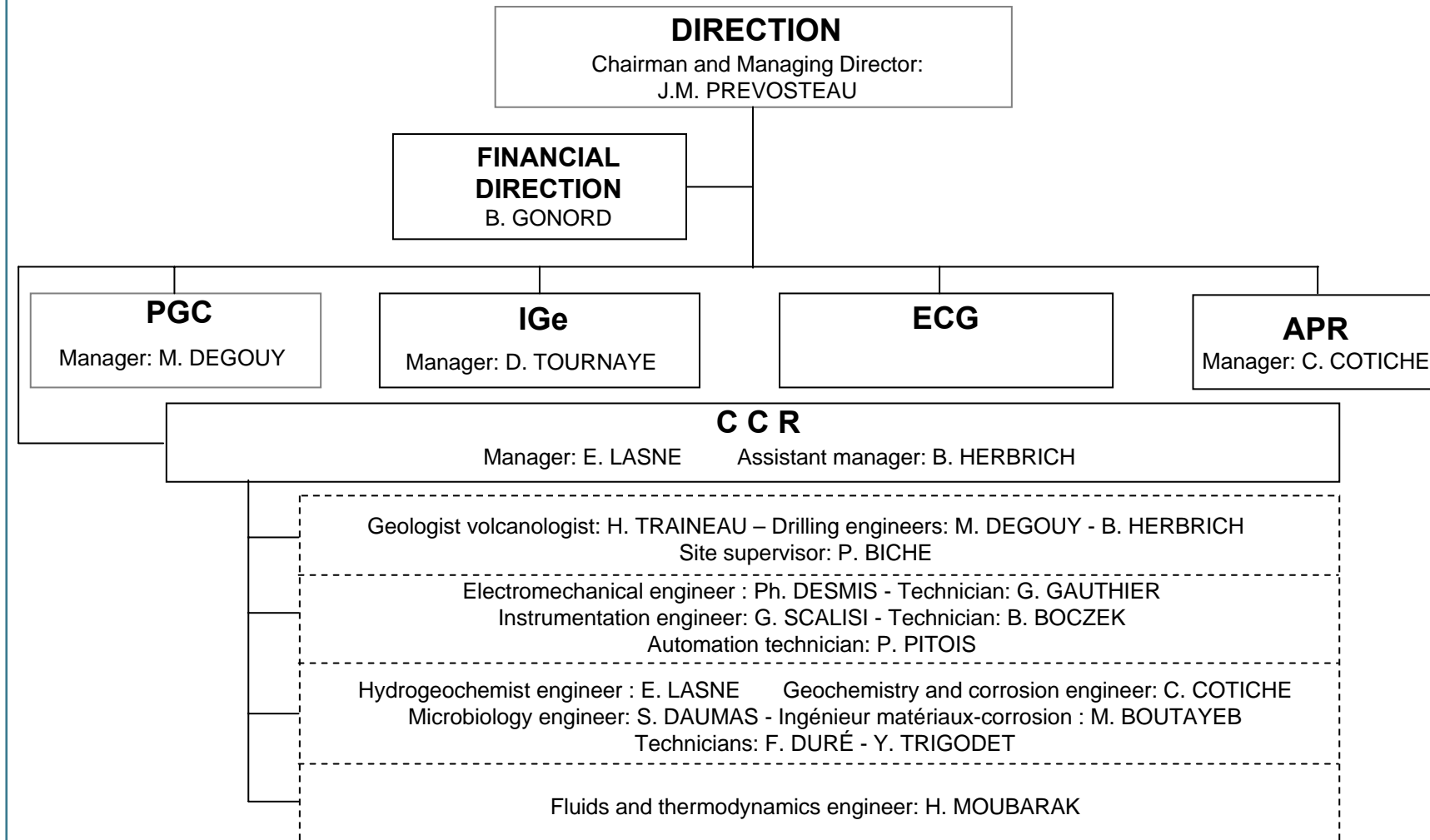
PRESENTATION OF CFG SERVICES



BRGM subsidiaries and participations

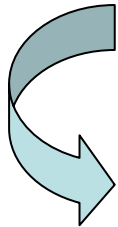


CFG Services - Organisation



CFG Services (established in 1985)

Engineering and services company specialised in geothermal energy, 100% owned by BRGM.

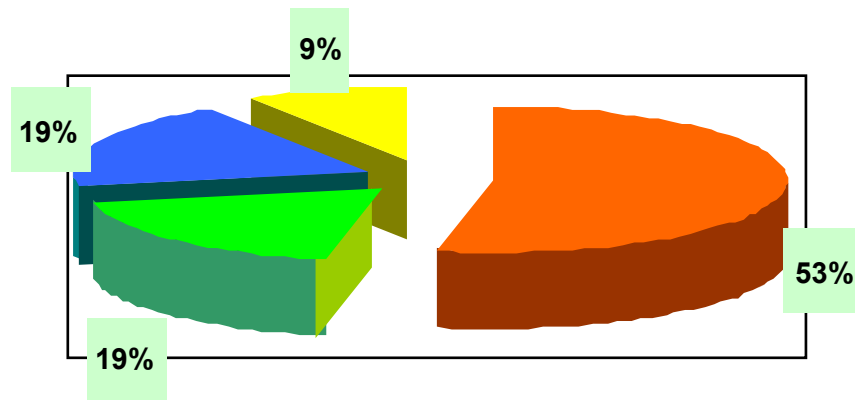


3 main fields of activities

- **Maintenance and exploitation of geothermal power plant**
- **Studies and projects in geothermal energy (low, medium and high enthalpy)**
- **Expertise, studies and audit in the field of corrosion, hydrogeochemistry, detection of fluids leakages by helium injection**



Turn over for the year 2004



- Maintenance and low enthalpy exploitation
- Maintenance and high energy exploitation
- Studies and projects
- Hydrochemistry / Corrosion

TURN OVER 2004 : 5,2 M€ - 36 people



Main activities of CFG Services

- ▶ **Maintenance and exploitation of low enthalpy geothermal power plants (heat production/district heating) and high enthalpy geothermal power plants (power generation)**

- ▶ **Among our referencies:**
 - **Exploitation of the geothermal power plant of Bouillante in Guadeloupe (16 MWe gross power, delivering 10% of the island electricity needs)**

 - **Follow up of the geochemistry of geothermal fluids and maintenance of the equipments on 12 doublets in the Paris basin used for district heating and sanitary hot water production.**



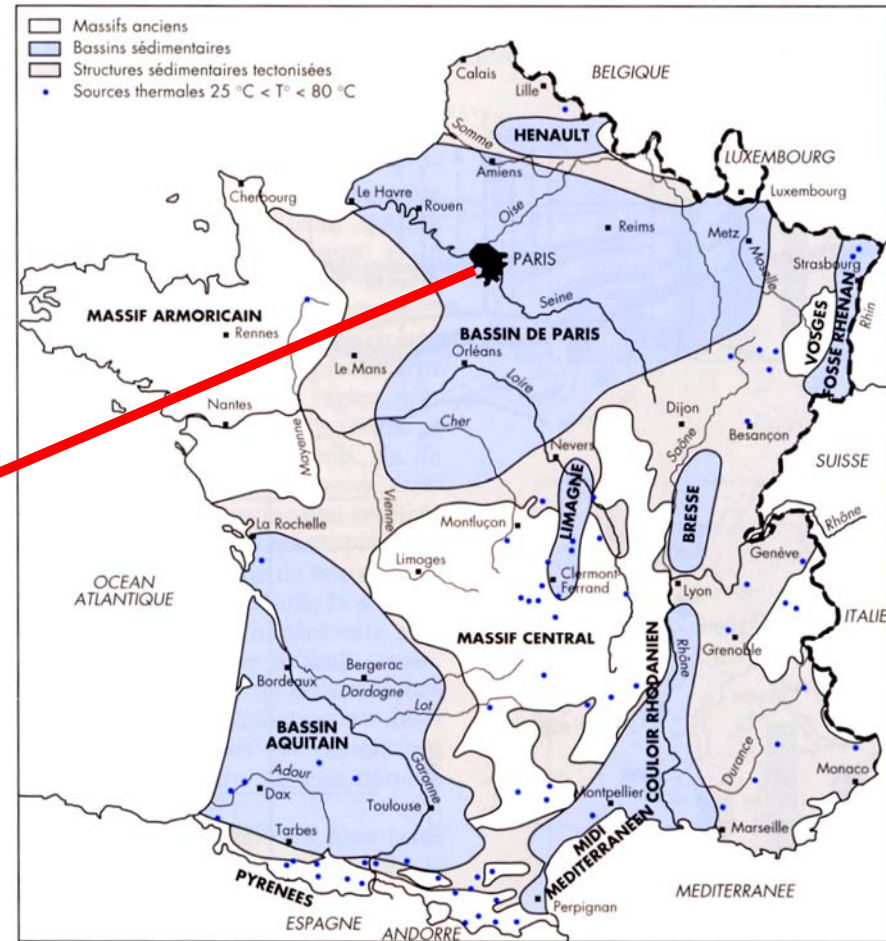
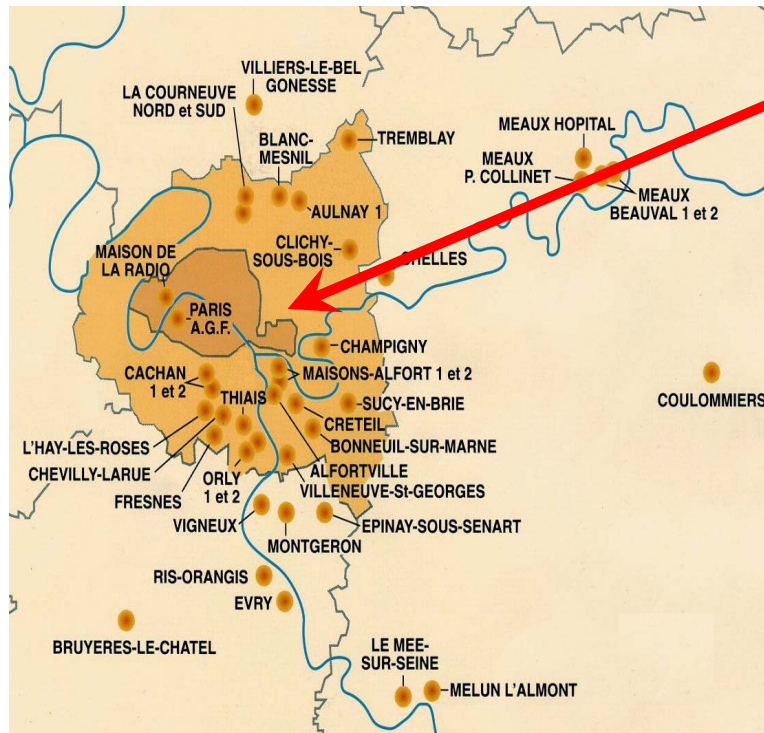
Main activities of CFG Services

- ▶ **Geothermal projects: reconnaissance phase, prefeasibility study and feasibility study (including exploratory wells), project financing, risk evaluation and mitigation**

- ▶ **Among our referencies:**
 - **Feasibility study, engineering design and construction supervision of the Lahendong geothermal power plant (20 MWe) in the north of Sulawesi island (Indonesia)**
 - **Supervision of the development program of the geothermal resources in El Savador**
 - **Supervision of the drilling and testing of the geothermal exploitation wells in Sao Miguel (Azores)**



Main geothermal projects in the Paris basin



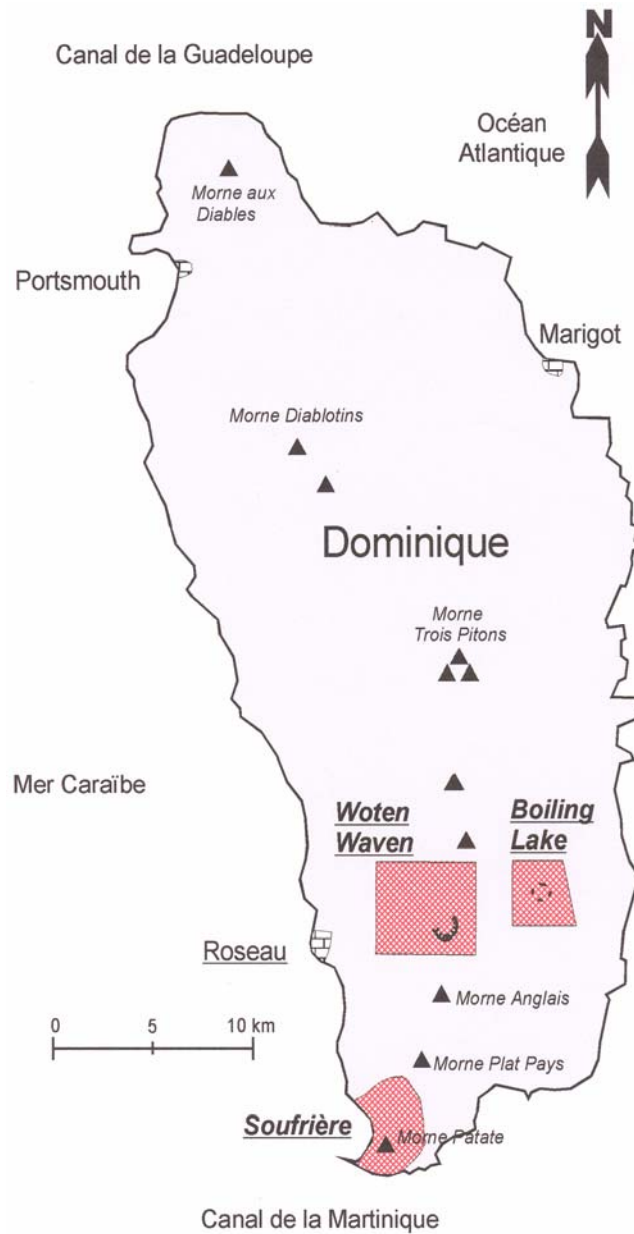
CFG presence worldwide





Bouillante geothermal power plant

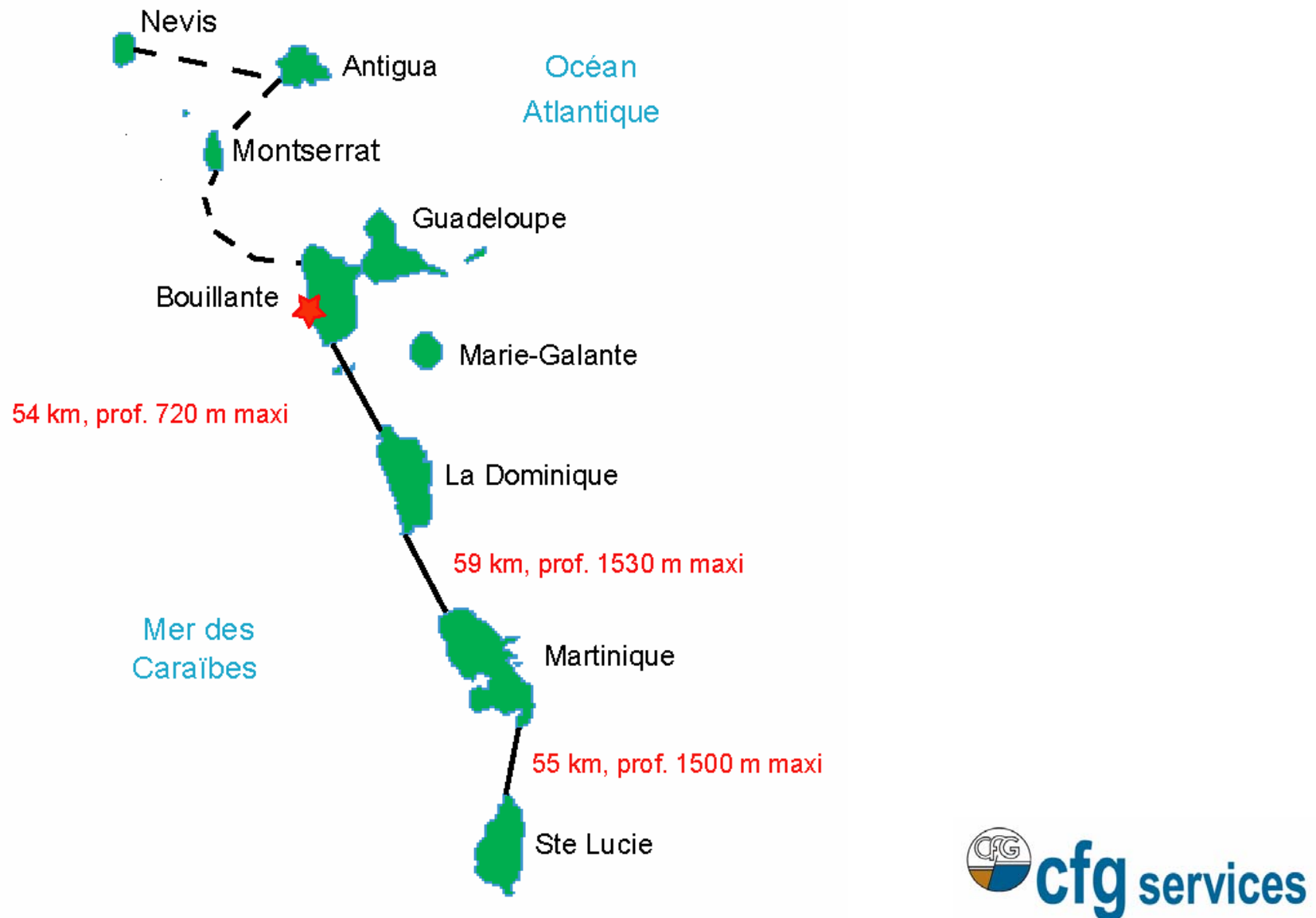




Main prospects in Dominica



Preliminary design of the islands interconnection



Location of the Lahendong geothermal power plant



Access to the GPP (operated since july 2002)



Photo D. Tournaye

Droits réservés



CHINA

Yanqing geothermal project
(District heating)



- I Yanqing geothermal field
- II Shahe geothermal field
- III Xiaotangshan geothermal field
- IV Liangxiang geothermal field
- V Geothermal field in Beijing urban area
- VI Tianzhu geothermal field
- VII Houshanyu geothermal field
- VIII Lisui geothermal field
- IX Shuangqiao geothermal field
- X Fenghe geothermal field
- II III Zoning and numbering of geothermal fields
- Boundaries of plain areas

