

Context : launched in 2009 to support the heat production from renewable sources, this scheme aims at reaching the French objectives of 23% of renewable energy in the final net energy consumption of France and 32% within 2030. Based on grants to support investment in heat generation infrastructures, it can be cumulated with fiscal schemes such as reduced VAT and credit taxes. In 2018, considering the pace of heat deployment not sufficient to reach the French objectives, an evaluation has been launched to analyse the efficiency and the leverage effect of the fund.

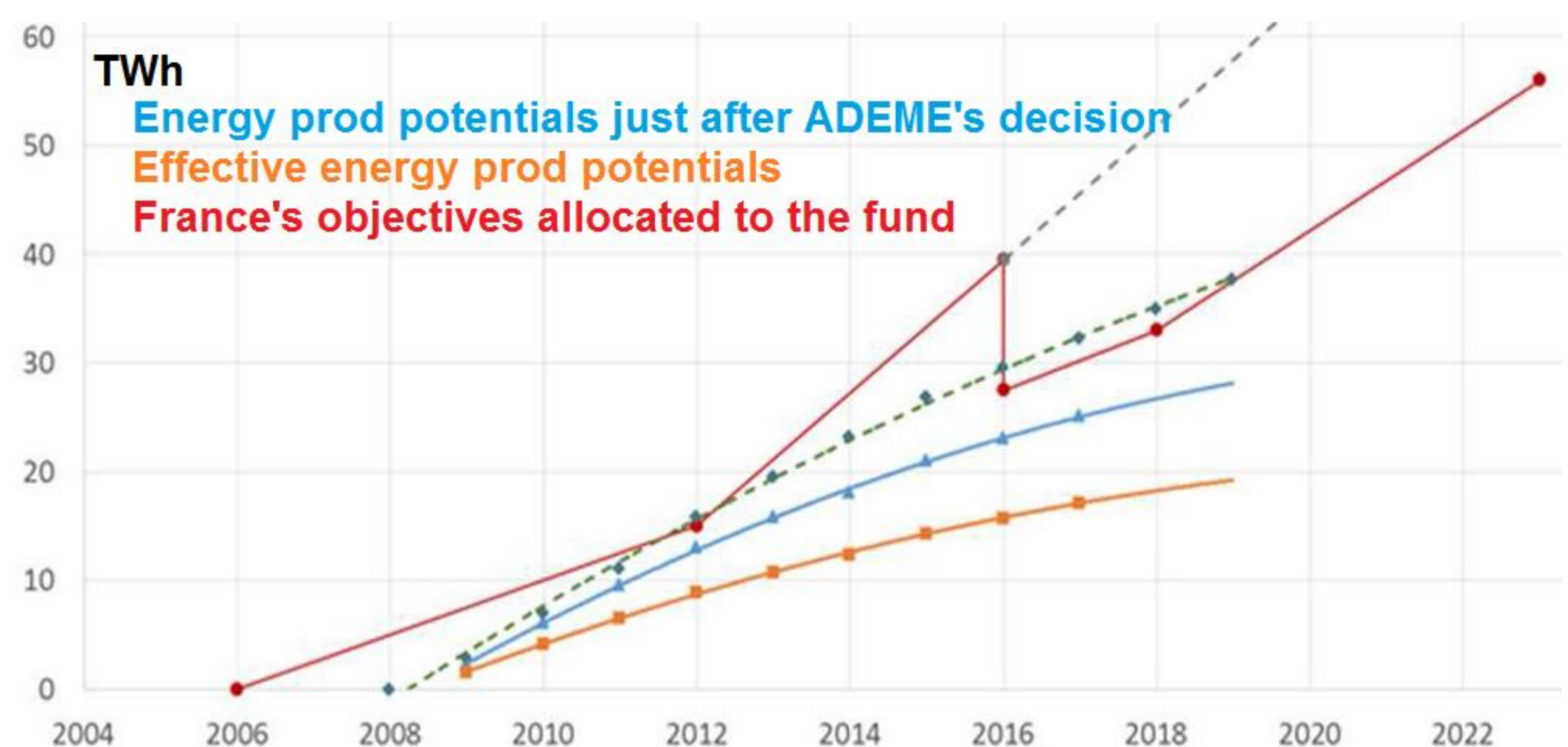


Evaluation Methodology

- Phase 1 : analysis of the scheme in the period 2009-2017 (interviews, data collection and analysis)
- Phase 2 : online survey among 160 businesses and local authorities beneficiaries and 600 non beneficiaries, 9 study cases, deep analysis of 2 regional cases, and European benchmark study (Germany, Austria, Denmark)
- Phase 3 : conclusions, prospective workshop and recommendations

Main results and key data

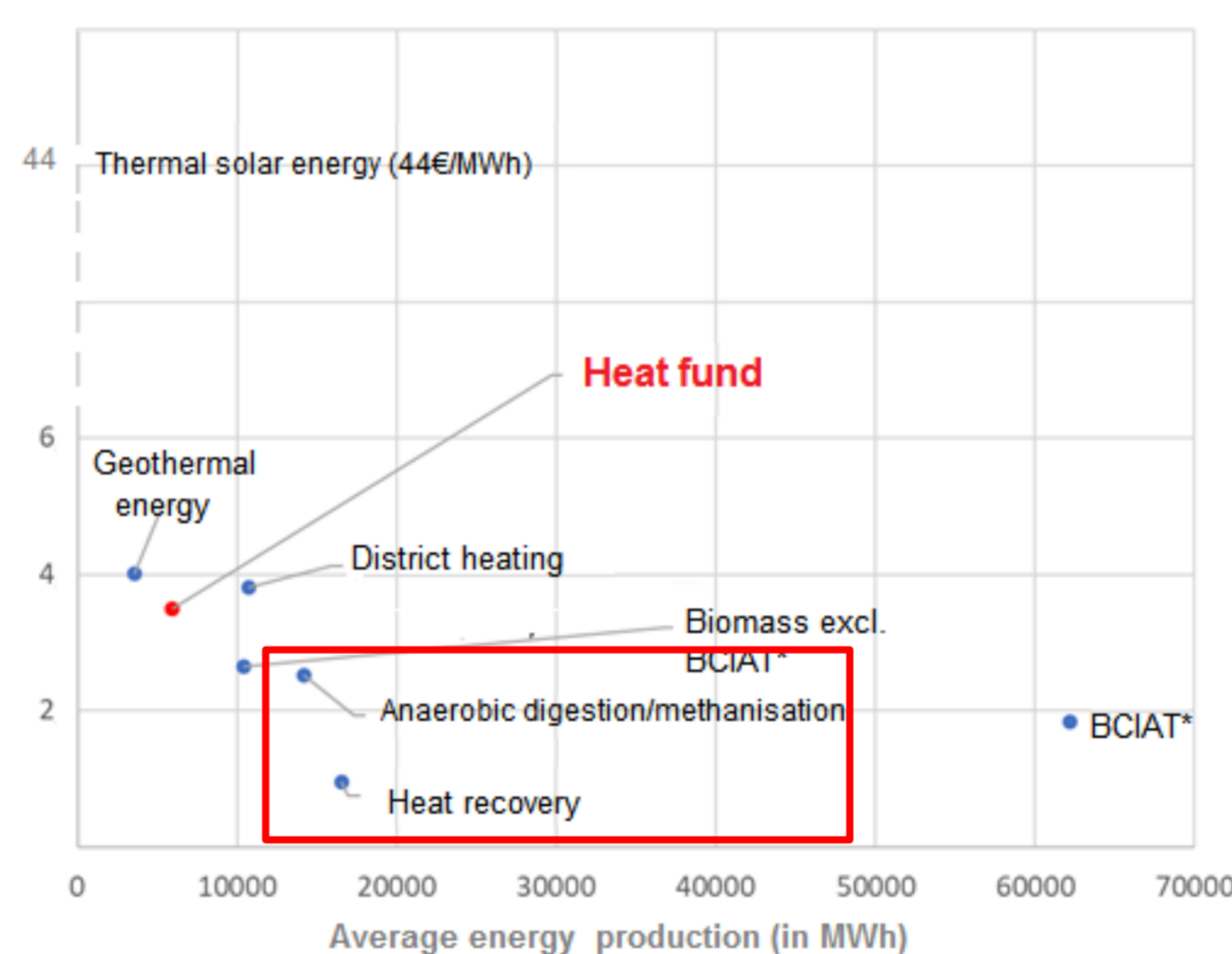
- ✓ Good supervision but budget allocation too low
- ✓ Lack of staff for operational management
- ✓ Needs for marketing and commercial skills to better promote the scheme and ease access to benchmarks data
- ✓ Lack of competitiveness due the economic context (dec. in fossil fuel prices & weak carbon taxation)
- ✓ Needs for better coordination with regional and European funds and of lack of regional objectives



Key data for [2009-2017]

No. of supported installations	4,217
Total budget	b€ 6.7
Eligible costs	b€ 5.8
Grants from the fund	b€ 1.7
Provisional energy production	2.2*10 ⁶ toe

Average efficiency over 20 year (€/MWh)



*BCIAT: heat generation from biomass for the industry, agriculture and tertiary

- Significant differences in provisional heat production quantities and effective ones due to abandonments for administrative, economic and/or technical reasons: most of abandonments just after the ADEME decision to support the project
- High efficiency for heat recovery and anaerobic digestion (low eff. for solar)

Recommendations & perspectives

- Give more stability and budget to the fund to reach France's objectives in terms of renewable energy development
- Set long term objectives at the regional level
- Strengthen operational piloting means at the regional and national levels
- Better promote the fund especially among potential beneficiaries from the industrial and tertiary sectors
- Optimize processes, clarify allocation rules and revise the refundable fund principle to cover market and technical risks especially for heat recovery projects

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