

Background

Objectives

CROWD THERMAL aims to empower the European public to directly participate in the development of Geothermal power projects with the help of alternative financing schemes (e.g. crowdfunding) and social engagement tools.

EU Energy Targets for 2030

- ❖ At least 40% cut in greenhouse gas emissions (from 1990 levels).
- ❖ At least 32% share for renewable energy.
- ❖ At least 32.5% improvement on energy efficiency.

Current State of Play

In 2015, the EU pledged to ambitious targets. However, these ambitions constitute a challenge. This graph presents the 2017 state of play of EU28 with: fossil energy shares, 2030 goals for renewables, shares of renewables and geothermal.



Energy

Shares

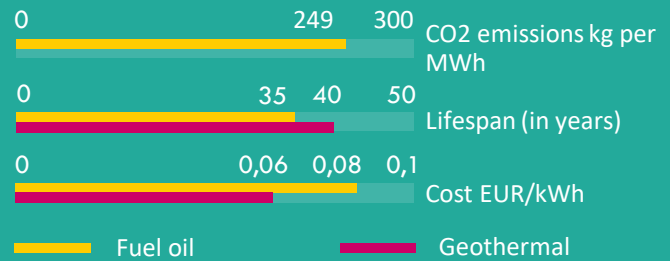
- Fossil energy (oil, gas)
- 2030 renewable energy targets
- 2017 renewable energy production
- 2017 Geothermal energy production

- 44%
- 32%
- 17.5%
- 3%

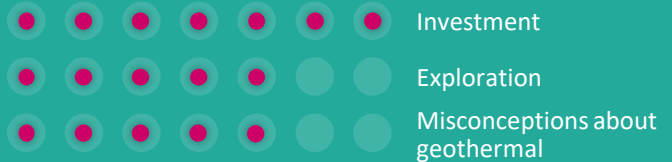
Case studies



Advantages of Geothermal over Fuel Oil



Bottlenecks



Social media



www.crowdthermalproject.eu



@CrowdthermalEU

Reference

- ❖ European Commission. (2020). 2030 climate and energy framework. Retrieved from: https://ec.europa.eu/clima/policies/strategies/2030_en
- ❖ Fridriksson T., Merino A. M., Orucu A. Y., Audinet P. (2017). Greenhouse Gas Emissions from Geothermal Power Production. 42nd Workshop on Geothermal Reservoir Engineering Stanford University, Stanford, California, February 13-15, 2017. ❖ House of Parliament. (2011). Carbon Footprint of Electricity Generation. Postnote Update. Number 283 June 2011.

