

# EUROPEAN TECHNOLOGY & INNOVATION PLATFORM ON DEEP GEOTHERMAL

## Terms of Reference

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# Objectives of ETIP on Deep Geothermal

- Market uptake of already competitive geothermal technologies.
- Innovation in cogeneration and for industrial process: low temperature systems, energy efficient devices, micro-CHP etc.
- Demonstration of flexible RES power plants.
- Research and Development of the next generation of RES technologies such as EGS.
- Towards a smart integrated energy system: The future energy system should make a strong link between its three sectors: electricity, heating & cooling, transport with renewable energy carriers like geothermal energy.

# Structure

The Management structure of the ETIP-GT is the following:

- **ETIP Board:** The Board is the highest decision-making body of the ETIP and is responsible for providing guidance to the activities of the Platform.
- **ETIP Secretariat:** The ETIP is managed by EGEC.
- **Working groups:** The ETIP consists of five working groups (WGs) which include all deep geothermal technologies. Acting under the guidance of the Board, each WG is responsible for collecting and developing stakeholders' inputs from the respective sectors.
- **The ETIP aims at having stakeholders representing all deep geothermal technologies for power from industry, research, and the public sector from all over Europe.**



**Working Groups**

| <i>Subsurface</i>                      |                       | <i>Surface</i>                 |                          | <i>Horizontal</i>    |
|--|-----------------------|--------------------------------|--------------------------|----------------------|
| <b>Exploration</b>                     | <b>Deep Drilling</b>  | <b>Production technologies</b> | <b>Surface</b>           | <b>Non Technical</b> |
| Hydrothermal:<br>medium and high<br>T° | Improvement           | Reservoir                      | Power<br>conversion      | Legal & Policy       |
| EGS                                    | Novel<br>technologies | Materials                      | CHP                      | Education & Training |
| Supercritical                          | Drilling concept      |                                | Zero emissions           | Public acceptance,   |
|  |                       |                                | Grid Flexibility         | Risk management      |
|  |                       |                                | Hybrid (other<br>source) | Finance              |
|  |                       |                                |                          | Competitiveness      |
|  |                       |                                |                          | System approach      |

- The ETIP will liaise with the European Technology and Innovation Platform on Renewable Heating and Cooling (RHC-Platform), officially launched in 2010. The Platform is now recognized by the European Commission as one of the European Technology and Innovation Platforms (ETIP) and it is included in the publicly available list of recognized ETIPs on the European Commission ETP's website.
- Working group on exploration and deep drilling will be merged.

- 3.2. STEERING COMMITTEE (SC)
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