

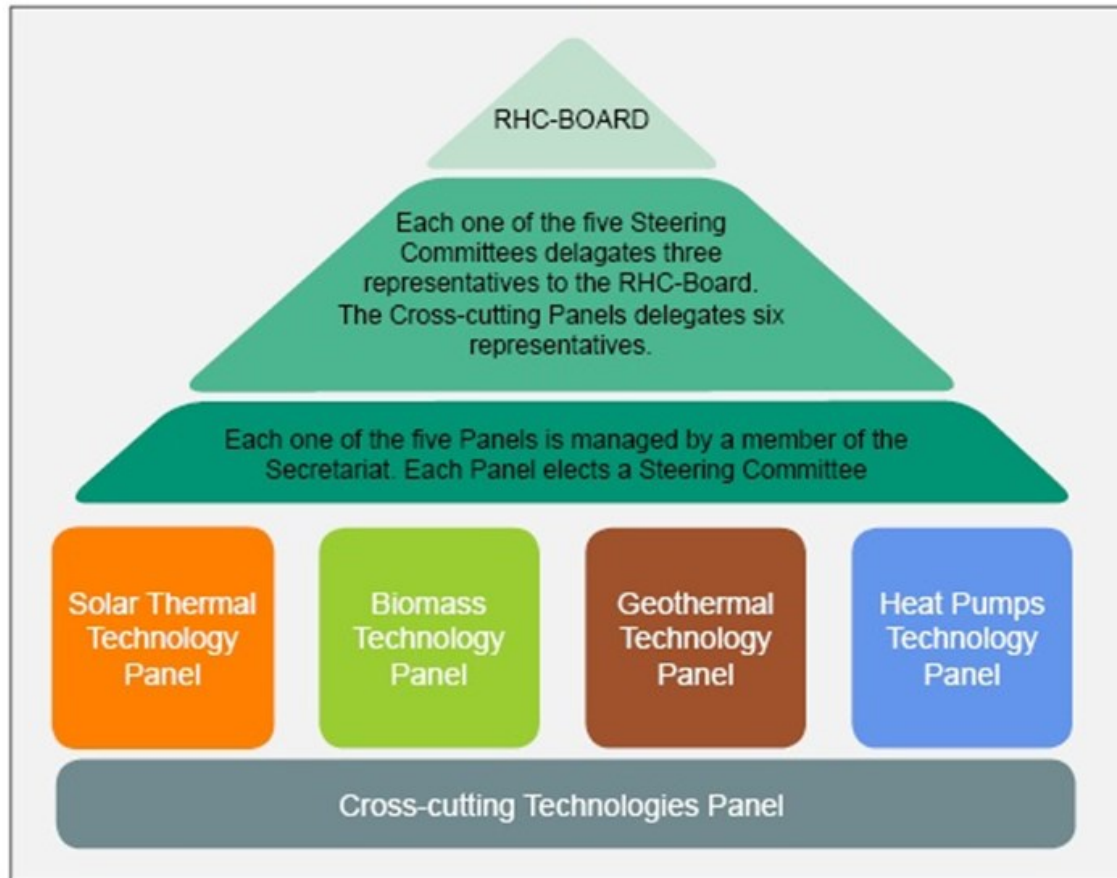
The Geothermal TP: Future activities

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New RHC platform structure



Steering Committee Geothermal TP

- Chairman: J Urchuegia (Geoplat)
- Vice-chairmen: B Sanner (EGEC) and F Batini (Magma/Rete geotermica)
- Members: V Van Heekeren (SPG), A Kujbus (Geoex), I Berre (CMR), L Pockele (RED), **M Stibitz (Geomedia)**, J Salisbury (GSHPA)

Michal Stibitz





- **Vision and R&D priorities for geothermal heating & cooling 2030 : 2009**
- **Strategic Research Agenda for geothermal heating & cooling : 2012**
- **Geothermal Implementation Roadmap: February 2014...2020**

2014: Activities

The geothermal panel was particularly active during 2014, with EGEC organising eight events for the group:

- **2 large workshops (90+ participants) in Jan. and Sept.**
- **2 webinars: in June and Dec.**
- **2 B2B meetings: in Jan. and March (offenburg)**
- **2 dedicated seminars: Induced seismicity (Jan.) and EGS (Dec.)**



2014: Activities

The results are outstanding.

Four projects (two shallow and two deep geothermal) have been accepted from the calls 2014 and will now be funded under the Horizon 2020 programme:

- 1) Deep drilling: Thermodrill and DESCRAMBLE**
- 2) Shallow drilling: Cheap-GSHPs and GeoTech**

This is much more than has been received in the past by the geothermal sector!



2014: Activities

LCE2-2014: 10 proposals, 4 short listed, 3 offers, 2 accepted !

LCE2-2015: 19 proposals, soon answers about projects accepted

LCE3-2014: 5 proposals, 2 accepted !

LCE3-2015: soon answers about projects accepted

2014: Activities



Low Carbon Energy Outcomes (553,8M€)

Fields (eranet+berlin)?	2014	2015	Total
Alternative fuels	6	4,5	10,5
Biofuels/Bioenergy (CHP)	56,1	26,6	82,7
CSP	27,1	11,5	38,6
Geothermal	24,1	45,6	69,6
Ocean Energy	17	41,4	58,4
Photovoltaic	9,5	8,8	18,3
Solar Heating & Cooling		4,4	4,4
Wind	21,3	34	55,3
New Knowledge Technology	18,3		18,3
SSH	13,6	7,7	21,3
Market Uptake measures	20,3	18,5	38,8
Decarbonisation of the use of fossil fuels	33,3	34,3	67,6
MS Joint Actions (ERANET&CSA)	33,8	36,1	69,9
Total	280,4	273,4	553,8

2015: Activities

- **1 workshop in March during Geotherm offenburg**
- **1 workshop and 1 Brokerage event in September**
- **1 webinar in December ?**
- **Dedicated seminars: Technical guidelines for GSHP, etc.**

Towards an integrated SET-PLAN

EC Communication adopted on 15/09/2015, identifies the need to:

- reinforce the implementation of actions beyond EU-funded projects
- strengthen the financial commitment from Member States and the private sector
- broaden the participation of stakeholders along the innovation chain in the various structures
- improve the reporting from Member States on national research and innovation priorities and investments
- Increase cooperation between industry and research and between member states

Towards an integrated SET-PLAN

Actions:

- **Next generation of RES a core priority:** in particular offshore wind, ocean energy, bioenergy, **geothermal technologies**, solar thermal, and technologies that convert power into chemicals and fuels.
- **A more integrated approach:** moving away from a vertical and technology-specific focus, to embrace a more horizontally integrated approach (focus on flexibility).
- **A new SET Plan management:** to ensure an increased transparency, accountability and monitoring of the progress achieved, as well as result-oriented approach.
- **Streamlining of current Technology platforms, European Industrial initiatives, etc.**

Next Activities

- **New SET Plan communication: merge TPs and Industry initiatives**
- **Towards a ETIP (European technology and Innovation Platform) on geothermal ?**
 - **Define specific strategic targets: on EGS, new turbines, smart geothermal grids, new generation of GSHP for retrofit buildings etc.**
 - **Call to Industry and Member States**

Next Activities

- **New Activities proposed:**

- 1) Monitor research results: EU and national projects**
- 2) Update the implementation roadmap**
- 3) Assess competitiveness of the European geothermal industry: global competition, supply chain, business models...**
- 4) Define export strategy, cooperation and technology transfer issue**