


The RHC-ETIP's role in supporting the RHC-sector at EU level

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Concept of European Technology and Innovation Platforms

- **Initiated** by European Commission
- **Objective: Accelerated technological development** in promising sectors
- **Governing rules** for the platforms:
 - Representation from all sectors: **research, industry, public sector**
 - Transparent and open structure:
 - Everybody can participate
 - Election of governing bodies
 - Documents and positions
- **Activities:** Joint development of a **vision, strategy and roadmap**
- **Expected results**
 - Harmonized research activities of industry and research sector
 - More efficient use of R&D funding



The image shows a screenshot of the 'Strategic Energy Technology Plan' document from the European Commission. At the top right, there is the European Commission logo and the text 'European Commission'. Below the title, there is a blue banner with a network diagram. The main text describes the 'European Technology and Innovation Platforms' (ETIPs) and lists several platforms.

Strategic Energy Technology Plan

European Technology and Innovation Platforms
The European Technology and Innovation Platforms (ETIPs) were created to support the implementation of the SET Plan by bringing together EU countries, industry, and researchers in key areas. They promote the market uptake of key energy technologies by pooling funding, skills, and research facilities.

The platforms:

- [ETIP Wind](#)
- [ETIP PV](#)
- [Ocean Energy Europe](#)
- [European Geothermal Energy Council](#)
- [The European Innovation Partnership on Smart Cities and Communities marketplace](#)
- [Smart Networks for Energy Transition](#)
- [ETIP on Renewable Heating and Cooling](#)
- [European Biofuels Technology Platform](#)
- [CCS Platform](#)
- [Sustainable Nuclear Energy Technology Platform](#)

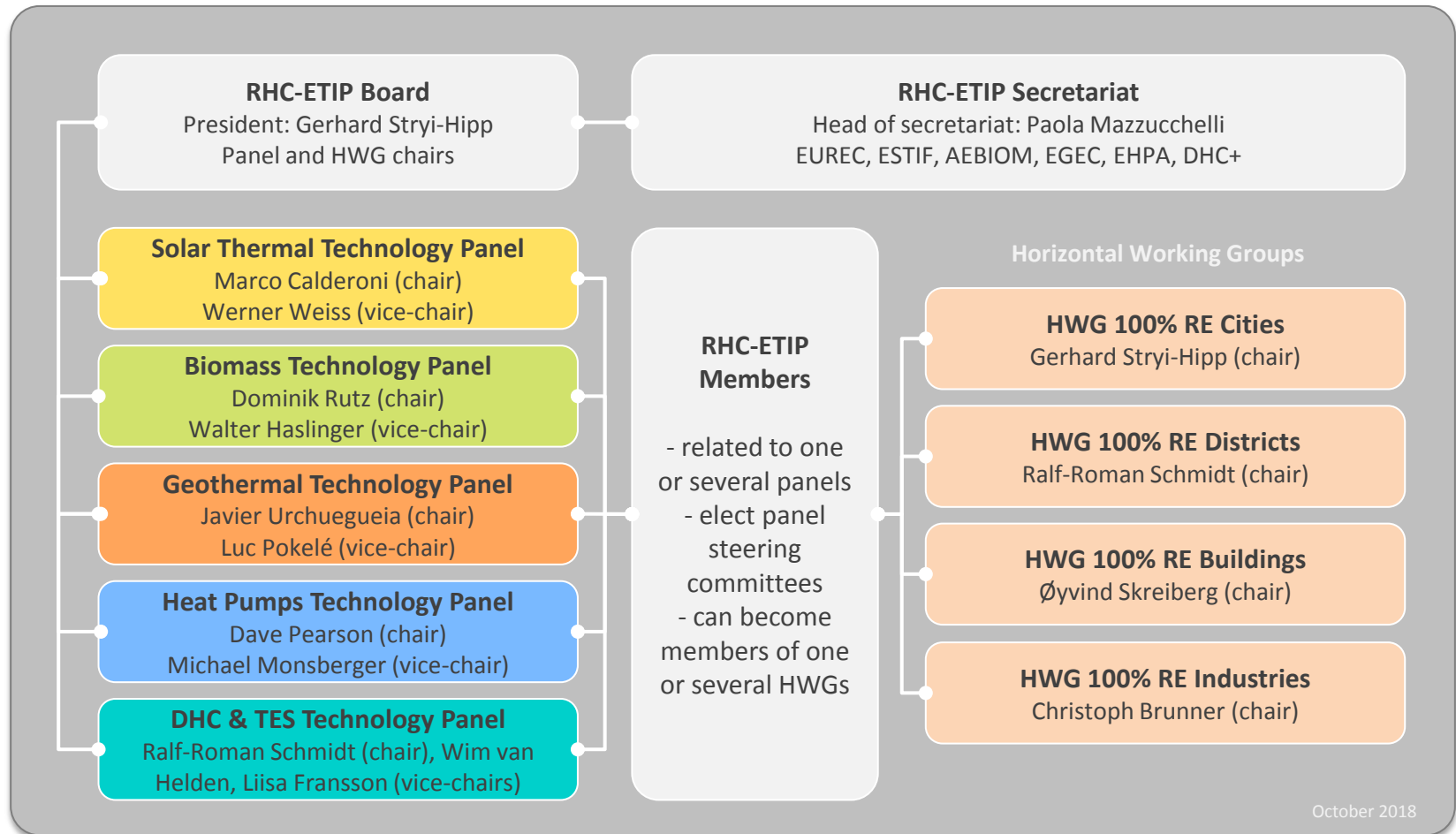
Source: <https://ec.europa.eu/energy/en/topics/technology-and-innovation/strategic-energy-technology-plan>

Facts and figures of RHC-ETIP

European Technology and Innovation Platform on Renewable Heating and Cooling

- 2005** Solar thermal technology platform founded
- 2008** enlarged to RHC technology platform with 4 panels (solar thermal, biomass, geothermal, cross cutting)
- 2008** officially endorsed by European Commission
- 2015** structure extended by the heat pump panel
- 2016** RHC-ETP became RHC-ETIP, confirmed by European Commission
- 2018** RHC-ETIP updated its structure and started Horizontal Working Groups (interdisciplinary development of solutions)
- Today** More than 800 members from almost all European countries, some from abroad:
 - ca. 40% industry
 - ca. 35% research & academia
 - ca. 5% government, public agencies
 - ca. 20% NGO, others

RHC-ETIP structure



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DHC & TES = District Heating and Cooling & Thermal Energy Storage RE = Renewable Energies

RHC-Platform: Work of the first phase

2011

2012

2013

2014



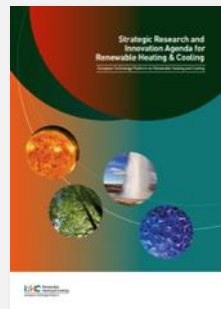
Common Vision
2020 – 2050

...



Strategic Research Priorities of Solar thermal, Biomass, Geothermal and Cross-cutting
➔ **Strategic Research & Innovation Agenda**

...



Technology Roadmaps of Solar thermal, Biomass, Geothermal and Cross-cutting
➔ **Common Implementation Roadmap**

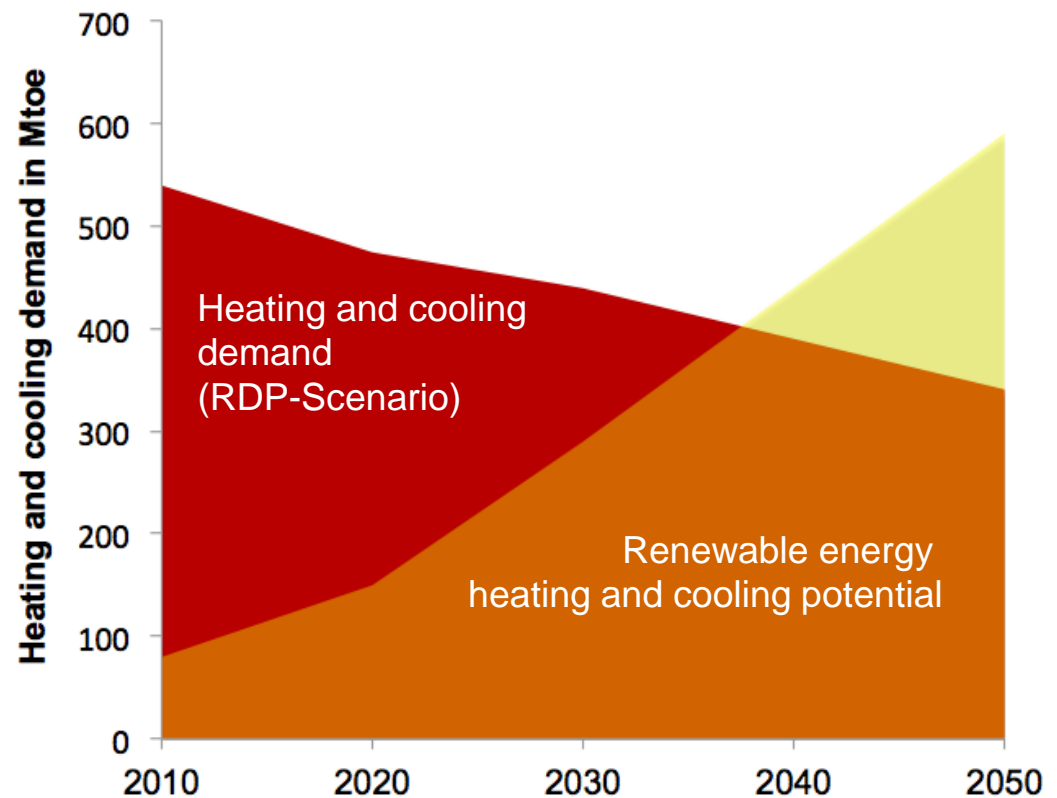
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2009-2017: Vision of RHC-platform: RES will deliver 100% of the European heating and cooling demand by 2040

Main message: “Huge potential of RES for heating and cooling”

Share of RES on heating and cooling demand in Europe in 2014: 17.7%

Source: EHC-platform, Common vision for the RHC-sector, 2011
RDP-Scenario = Full Research, development and policy scenario



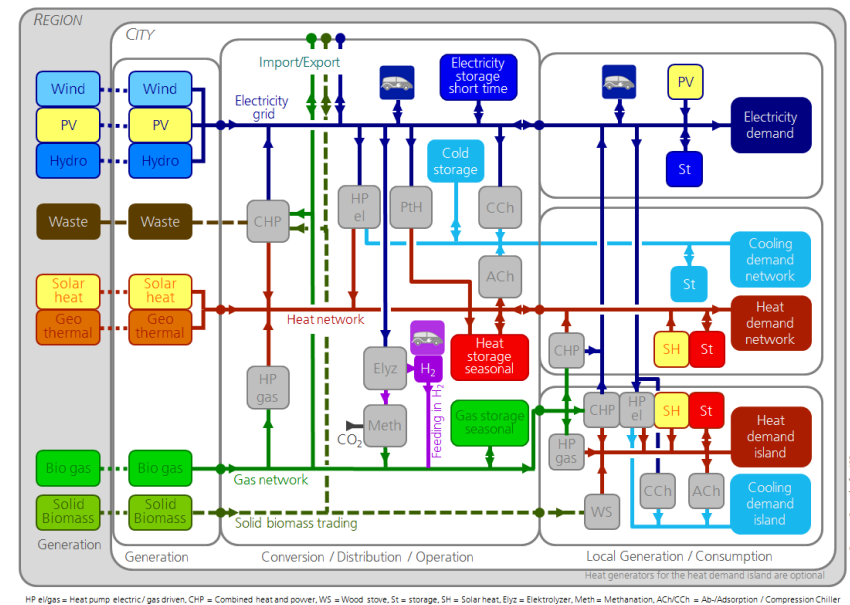
2018 started a new phase of RHC-ETIP work

Main message: “RES for heating and cooling are an important pillar of the future energy system based on sector coupling”

RHC-ETIP is focusing on

- **Interdisciplinary work** of experts from all panels
- **Integrated solutions** developed by horizontal working groups on cities, districts, buildings, and industries
- **Updates** on RHC-ETIP’s vision, strategy and roadmap

Smart energy systems with 100% renewables: dealing with high complexity



Thank you very much for your attention

