

# Renewable Heating & Cooling Platform



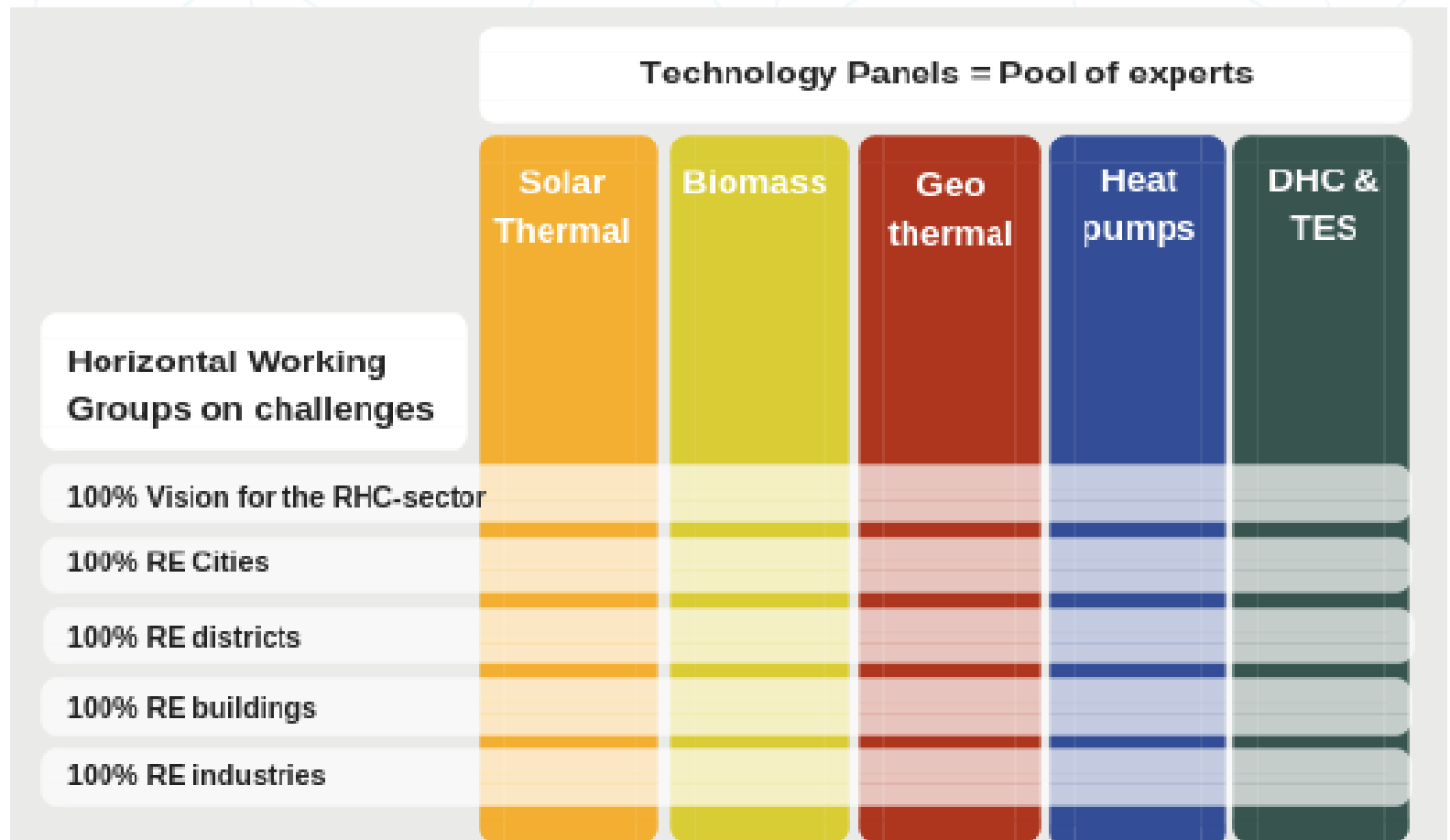
**RHC** Renewable  
Heating & Cooling

[www.rhc-platform.org](http://www.rhc-platform.org)



**ETN**  
Global

# RHC-structure



# Activities of horizontal working groups

- In the next 3 years the HWGs will deliver input to
  - A vision for 2030-2050
  - Strategic research and innovation priorities
  - Technology roadmap describing a deployment and innovation strategy

# Work package structure of HWGs

- WP1: Set up and operation of Issue Groups
- WP2: Stakeholder workshops (two times per year until their purpose has been fulfilled)
- WP3: Elaboration of a HWG vision for 2050, research and innovation priorities and deployment and innovation strategy with the purpose of providing input to the common RHC-ETIP documents
- WP4: Final dissemination workshop (to be aligned with the common RHC-ETIP Deployment and innovation strategy)



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# Deliverables of the HWGs

- Discussion paper on the vision to 2050 (May 2019)
- Discussion paper on the R&I priorities (May 2020)
- Discussion paper on the deployment and innovation agenda (May 2021)



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# **2030 - 2050 COMMON VISION FOR RENEWABLE HEATING AND COOLING IN EUROPE (draft outline)**

- INTRODUCTION
- THE PATH TOWARDS A LOW CARBON HEATING AND COOLING SECTOR IN EUROPE
- HEATING AND COOLING IN EUROPE: CURRENT STATE AND FUTURE FORECAST
  - Heating and cooling in the different sectors
- RENEWABLE HEATING AND COOLING: STATE OF TECHNOLOGY AND FUTURE OUTLOOKS
  - Bioenergy , Solar thermal, Geothermal, Heat pumps, Energy storage, heating and cooling
- NON-TECHNOLOGICAL CHALLENGES AND OPPORTUNITIES
  - Legislative and financial , training, market issues
- CONCLUSIONS



# Next steps (1/2) – Input for the vision document

- Current state of the heating and cooling sector in EU + **state of technologies and future outlooks**
- **Path toward a low carbon H&C sector in EU** (vision for 2050 100% RE in industry / buildings for H&C)
- Other non-technological challenges and opportunities

## Next steps (2/2) – Input for 100% RE Industries

- **T1.1** Clustering industry sectors in regards to energy demand, load profiles and temperature
- **T1.2** Clustering of RE energy technologies in regards to availability, volatility and temperature
- **T1.3** Assessment of concepts and tools for 100% RE Industry (including EE)





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- Who is interested to provide input to the RHC vision?
- Collect information on actual industrial / building applications
- Opportunities for future applications with renewable fuels