RHC-ETIP is a unique networking platform for experts in the renewable heating and cooling sector.

**Benefits of being an RHC-ETIP member**

- **RHC-ETIP** gives the possibility to influence the European Commission's funding instruments for the RHC sector.
- **RHC-ETIP** makes your voice heard to increase the share of research, development and deployment funds dedicated to RHC.
- **RHC-ETIP**'s well-established reputation contributes to put RHC higher on the political agenda.
- **RHC-ETIP** provides first-hand news on relevant policy and regulatory topics of general interest to the heating and cooling sector.
- **RHC-ETIP** gives you access to a pool of innovative projects on RHC and gives wide visibility to your own projects, which you can upload to our website in a few steps.
- **RHC-ETIP** offers exclusive access to contribute to the strategic documents for the RHC-sector.

**PARTNERS & EXPERTISE FIELDS**

- **EUREC & BIOENERGY EUROPE** coordinate the Secretariat of the European Technology and Innovation Platform on Renewable Heating and Cooling.
- **WIP RENEWABLE ENERGIES** It coordinates the Biomass Technology Panel & the 100% RE Buildings Horizontal Working Group.
- **EGEC geothermal** It coordinates the Geothermal Technology Panel & the 100% RE Cities Horizontal Working Group.
- **ehpa European heatpump association** It coordinates the Heat Pump Technology Panel.
- **EUROHEAT & POWER** It coordinates the District Heating and Cooling and Thermal Energy Storage Technology Panel & the 100% RE Districts Horizontal Working Group.
- **Solar Heat Europe** It coordinates the Solar Thermal Technology Panel & the 100% RE Industries Horizontal Working Group.

**How to join?**

The membership of the RHC-ETIP is free of charge and on a voluntary basis. To apply, please visit [www.rhc-platform.org](http://www.rhc-platform.org) and fill in the online application form.

**Questions?**

Contact us via [info@rhc-platform.org](mailto:info@rhc-platform.org)

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Strategic research
and innovation agenda
for climate-neutral heating
and cooling in Europe

RHC technologies are mature, commercial, and market ready, today.

They will be continuously developed for increasing their performance and competitiveness. However, without strong political support to speed up the market uptake of these solutions, the 2050 vision will hardly become reality. The subsidiarity principle requires local leadership along with guidance at European and national levels.

It is unanimously concluded by the members of the European Technology and Innovation Platform on Renewable Heating and Cooling (RHC-ETIP) that this vision can only be reached with a very strong and resolute political will to change the H&C sectors towards 100% renewables and zero carbon dioxide (CO₂) emission sources – together with a persistent integration of the electricity sector under the terms of a level playing field.

Courageous political decisions are needed immediately to accelerate the ending of fossil fuels.

The provision of 100% renewable energy-based heating and cooling (100%RHC) in buildings, districts, cities, and industrial processes in Europe is achievable even by 2040.

Today’s decarbonisation strategy tends to emphasise electrification. However, a dramatic increase in electric H&C and electric mobility would require costly upgrades to distribution networks. While for mobility, this may be unavoidable, a fully carbon-neutral H&C sector is possible with currently available thermal RHC technologies.

Today, H&C is thermally driven and it should remain this way in the future.

The Strategic Research and Innovation Agenda responds to the need for an update of the priorities identified in 2013 and the need to push RHC technologies to centre stage in order to achieve carbon-neutrality by 2050 at the latest. It presents the main R&I priorities to overcome current and imminent societal, technological and industrial challenges facing RHC.

Raising the public-private expenditure for RHC research to the average annual level close to EUR 2 billion is crucial to achieve RHC’s full potential. To this end, support is required at the EU level through different funding instruments, which should dedicate to RHC R&D the attention and resources the sector deserves.

By investing in the ambitious RHC priorities presented in this document, the EU H&C sectors can achieve decarbonisation within the next 20 years.

In terms of RHC stakeholders’ R&D spending, there appears to be a trend towards investing a greater amount of revenue into RD&I activities in RHC.

The findings of this report point towards an increase in funding or a stagnation over the past 3-5 years. Funding amounts seem to remain the same or increase further in the next few years.