

Overview of Heating and Cooling: Perceptions, Markets and Regulatory Frameworks for Decarbonisation

Contracting authority: [European Commission, DG Energy \(ENER\)](#)

Funded by: Fraunhofer ISI

Partners: DTU, AIT and EHPA

Tender call closed on: 14.11.2019

Start on July 2020

Duration: 22 Months

The team formed by the founder and organizer [Fraunhofer ISI](#) and its partners [Technical University of Denmark \(DTU\)](#), the [Austrian Institute of Technology \(AIT\)](#) and the [European Heat Pump Association \(EHPA\)](#) are set since July 2020 and for the following 22 months to devote their comprehensive expertise for the in-depth analysis required for carrying on the project.

They are assisted by [EPEE](#), [EUREC](#), [Euroheat & Power](#), [REHVA](#) which signed a letter of support in form of networks, data and other information.

Description of tasks:

Task 1: Meta-study on research and policy

The aim of this task is to carry out a meta-study on research and policy to provide an overview on the critical elements of decarbonizing heating and cooling.

Task 2: Assessments of perception and image of H&C

This task purpose is to carry out a qualitative analysis to provide an aggregated description of the perception of Heating & Cooling at the EU level. This analysis will assess the perception of heating and cooling by users and non-users of heat pump and DHC from industrial, residential and public sectors on the EU28 member states as well as Norway, Switzerland and Iceland.

Task 3: Analysis of momentary and non-monetary incentives

This task aims to carry out an analysis on the incentives, monetary or non-monetary, of expanding the high-efficiency and renewable Heating & Cooling market to provide an overview of the regulatory, fiscal and socio-economic conditions at the EU level as well as the framework needed for such expansion.

Task 4: Cost of District Heating and Cooling and Heat pumps

The objective of this task is to provide an overview of the cost for European End-users of investing and operating appliances for Heating & Cooling, focusing on Heat Pump installations and District heating substations.

Task 5: recommendations for the trade of EEOSs

The goal of this task is to carry out an analysis of existing EEOS regarding the role of District Heating and Cooling as well as Heat Pumps to provide recommendations for tradable elements as well as a new harmonized white certificate scheme.

Task 6: Presentation of work and deliverables

This task purpose is to present the work and results that have emerged during the tender to Member States and Stakeholders in four different meetings organized by The European Commission.