IEA TECHNOLOGY COLLABORATION PROGRAMME ON

HEAT PUMPING TECHNOLOGIES (HPT TCP)

Currentparticipating countries

Austria

Belgium

Canada

China

Denmark

Finland France Germany

Italy

Japan Netherlands Norway South Korea Sweden
Switzerland
United Kingdom

United States

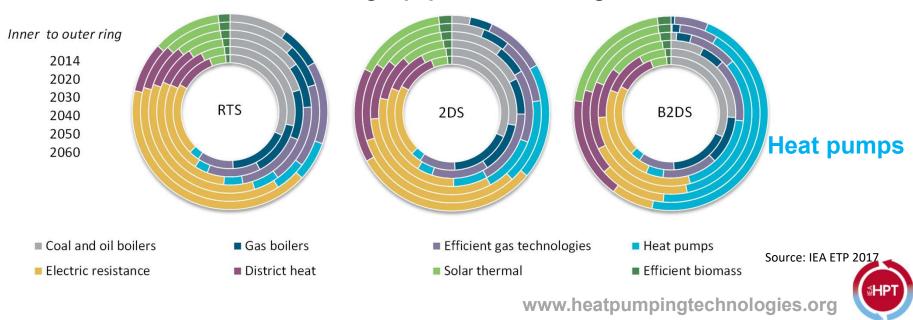
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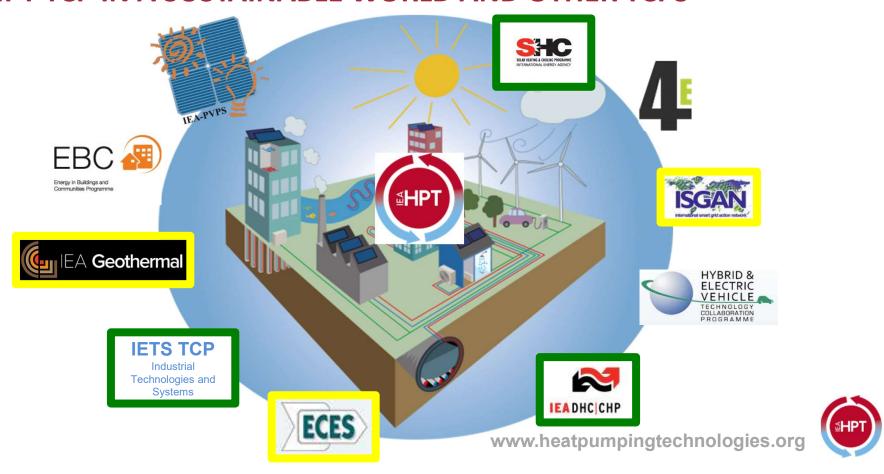
RELEVANCE OF HPT TCP: EXPECTED ENERGY DEVELOPMENTS

IEA ETP 2017 shows that **heat pumping technologies** are a **critical enabler** to reach **climatic ambitions** and their **deployment** needs to be **increased** more than tenfold

Evolution of heating equipment in buildings to 2060



HPT TCP IN A SUSTAINABLE WORLD AND OTHER TCPS



KEY CHALLANGES: STRATEGIC PLAN FOR 2018-2023

- a. Affordable and competitive technologies for heating
- **b.** More efficient cooling and air-conditioning, especially in warm and humid climates
- c. Flexible, sustainable and clean system solutions (e.g. in urban areas) using combinations of heat pumping technologies with energy storage, smart grid, solar and wind energy, thermal networks, energy prosumers, etc
- d. Possibilities offered by the developments in the area of digitalisation and Internet of Things
- e. New or special markets and applications, including automotive, industry and consumer products (e.g. white goods)
- **f. New, alternative or natural refrigerants** with **lower global warming potential**, high thermodynamic potential and low toxicity for both new and existing applications















Welcome to contact us



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