

The Status and Potential of DHC in Europe

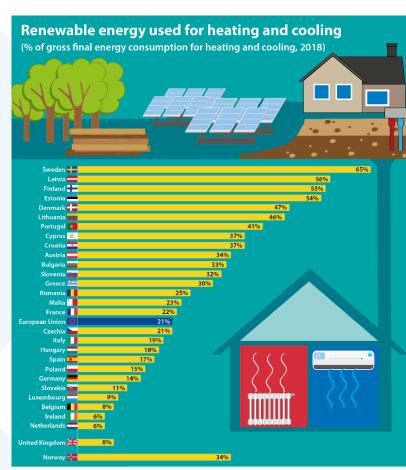
Jack Corscadden - Project Officer, Euroheat & Power



State of the art and market

DHC in Europe

- RES share of EU H&C 21%
 - Varies widely between countries
 - Mainly biomass 12% of overall heat consumption
- 60 million EU citizens served by DH
 - 140 million living in cities with at least one DH system.

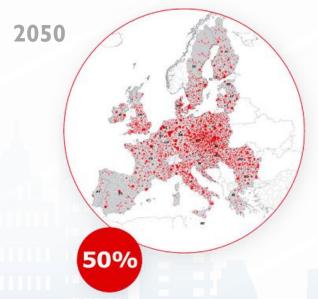


EXCITING SECTOR TO WORK IN

European cities with district heating systems

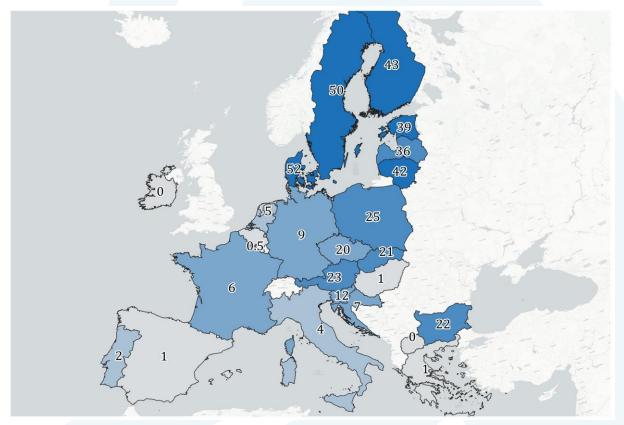


Europe's heat demand is met by district heating systems.



Europe's heat demand could be met by district heating by 2050 – If appropriate investments are incentivized by EU regulatory framework.

Share (%) of DH in fuel consumption for space heating

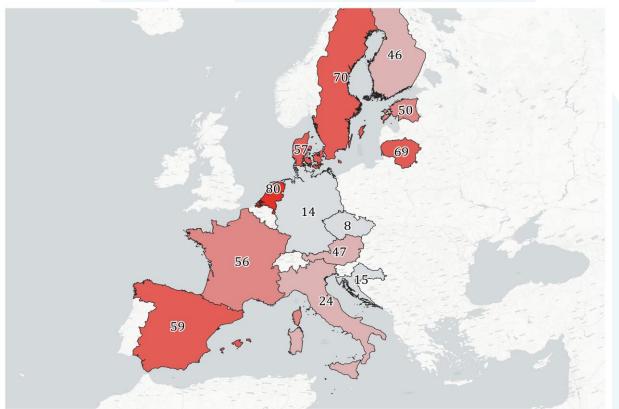


- Highest DH shares:
 Denmark, Sweden,
 Finland, Lithuania,
 Estonia, Latvia
- Lowest DH shares:
 Malta, Ireland, Cyprus,
 Belgium, Spain, Greece

Image: Hamburg Institut.
Source of data used: JRC (2019):
Decarbonising the EU heating sector.



Share (%) of renewable energy in the generation of DH

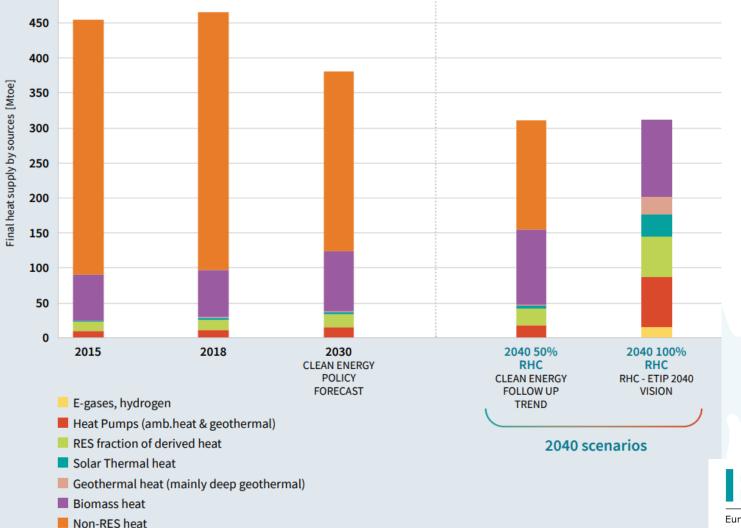


 Difficulty collecting data due to local nature of H&C

Share of RES in gross final energy consumption for heating and cooling 2018.

Image: Hamburg Institut. Source of data used: Eurostat (2020): Renewable energy for heating and cooling.







The European Green Deal has brought a new wave of policy initiatives with a direct impact on our sector

EU Climate Target Plan 2030

Building a modern, sustainable and resilient Europe

Have your say
on the new
#RenovationWave
initiative!

#EUGreenDeal

AN EU ENERGY SYSTEM INTEGRATION STRATEGY

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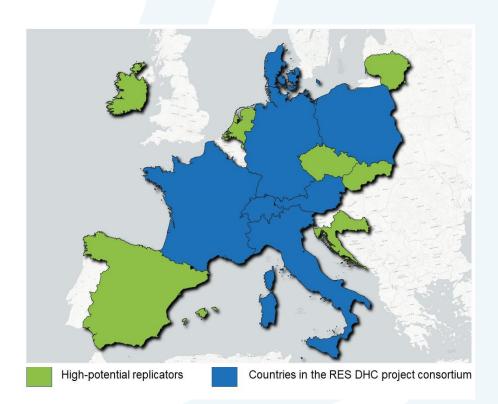
RED and **EED** currently being revised

Funding

- Public funding on EU level: 26 funding instruments available
- Multiannual financial framework (MFF) for 2021 2027 adopted
 - Horizon Europe -> largest research and innovation programme ever created
- European Investment Bank: important actor in financing DHC projects
- European Central Bank: shifting towards greener monetary policy
- Private financing: insurance, pension funds etc. are expected to invest increasingly in renewable energies



High Potential Replicators



High potential to deploy 5GDHC

Selected countries:

- Geographical, population and climate distribution
- Differ in their H&C decarbonisation progress
- Croatia, Czech Republic, Ireland,
 Lithuania, Netherlands, Slovakia, Spain.



Conclusion

- 5GDHC fueled by RES represents the most effective and economically viable option to decarbonise the H&C sector and deliver Europe's climate targets.
- Jack Corscadden, Euroheat & Power jc@euroheat.org
- Thank you!