



EU strategy on energy system integration

Energy systems integration - role of DHC systems

CA EED

22 March 2022

The Energy System Integration Strategy [COM(2020) 299 final]

1

A more **circular and energy efficient** energy system

2

More **electrification** of consumption, based on renewables

3

Renewable and low carbon fuels (incl. hydrogen) in hard-to-abate sectors

+

Consumers can choose the best clean option for their needs

Infrastructure is planned in an integrated way, looking jointly at gas, electricity, heat and hydrogen

Digitalisation fully enables a smarter system

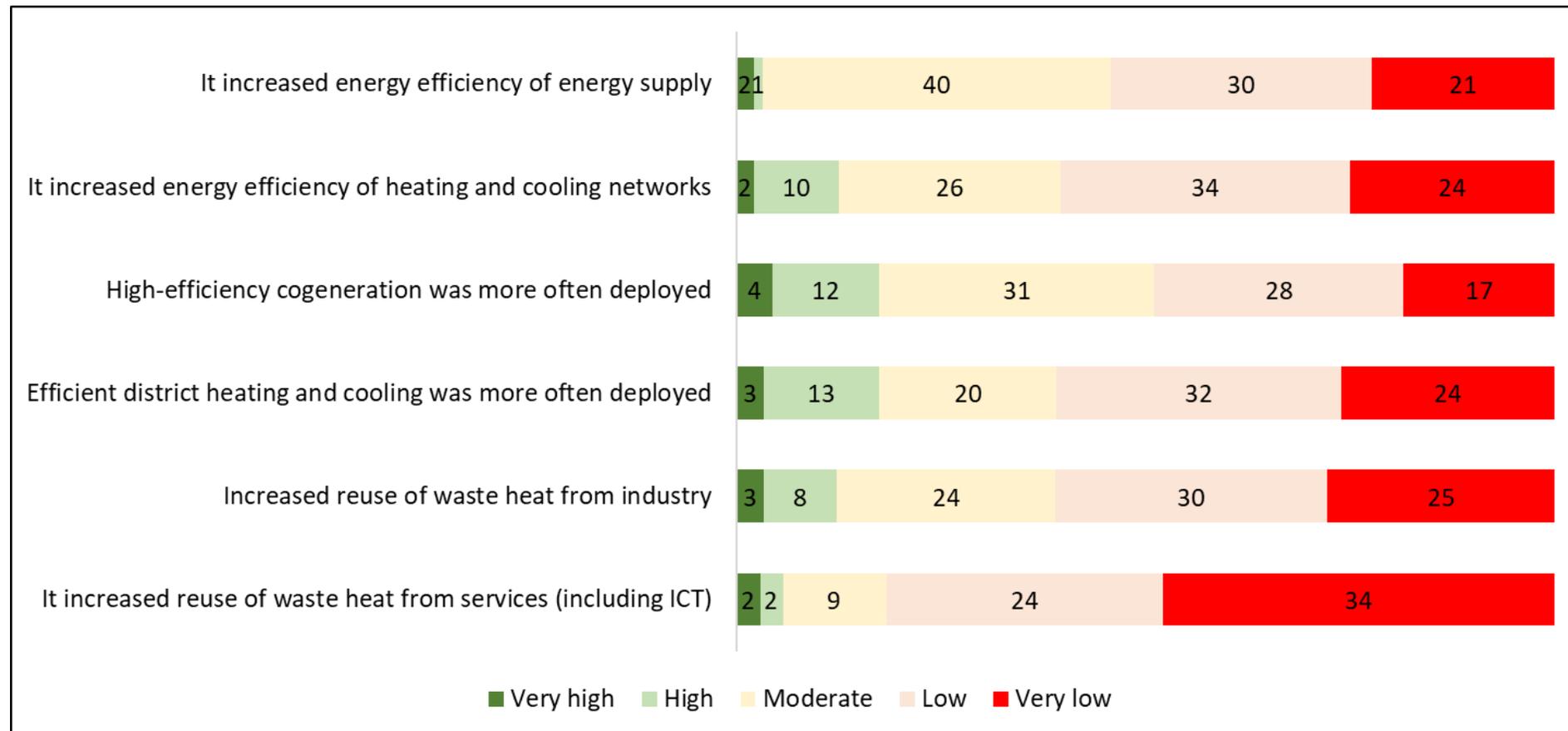
Key links with the district heating

- Revise regulatory framework for the reuse of waste heat from industry and data centres (RED / EED):
 - Facilitate the reuse of waste heat from industrial sites and data centres, through strengthened requirements for connection to district heating networks, energy performance accounting and contractual frameworks
 - Accelerate investment in smart, highly-efficient, renewables-based district heating and cooling networks, if appropriate by
 - proposing stronger obligations through the revision of the EED and RED
 - financing of flagship projects

EED public consultation

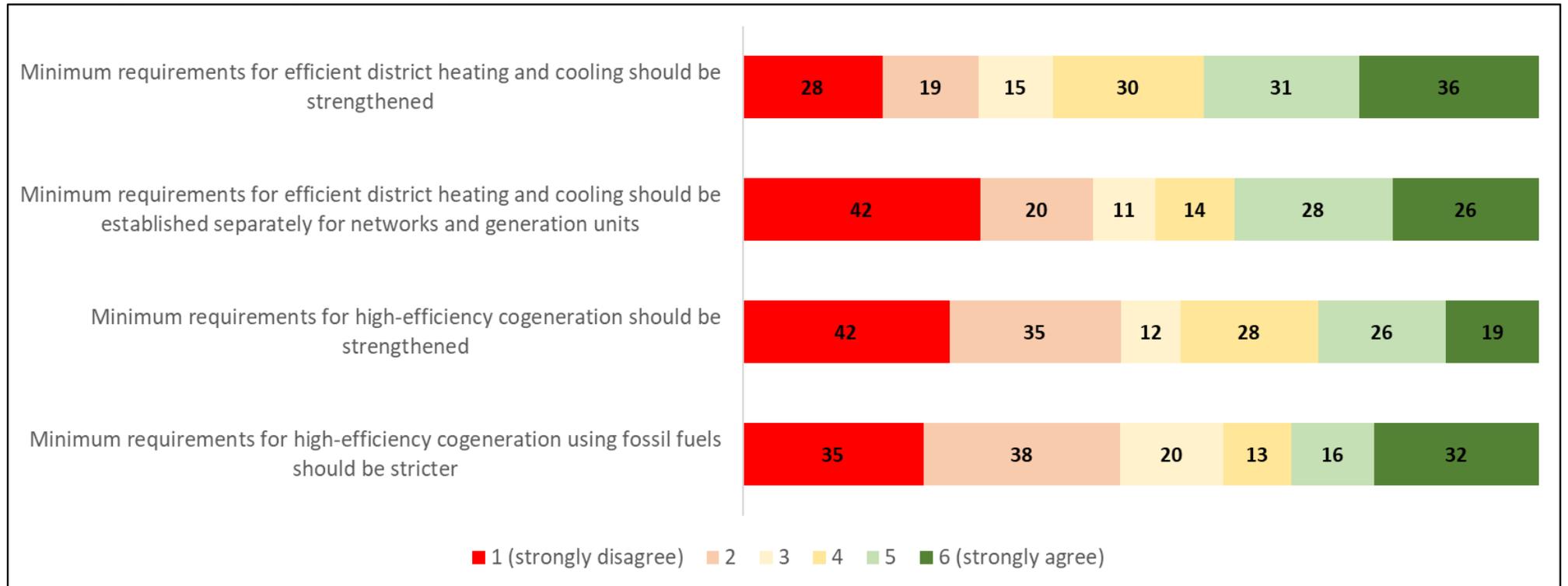
3.16 What was the impact in your country of the requirement to carry out a cost-benefit analysis under Article 14(5) in the following areas?

199 responses



EED public consultation

3.17 Given that additional energy efficiency efforts are needed, how could Article 14 and related Annexes and definitions (Article 2) be made more effective? To what extent do you agree that the following measures should be implemented? (224 responses)

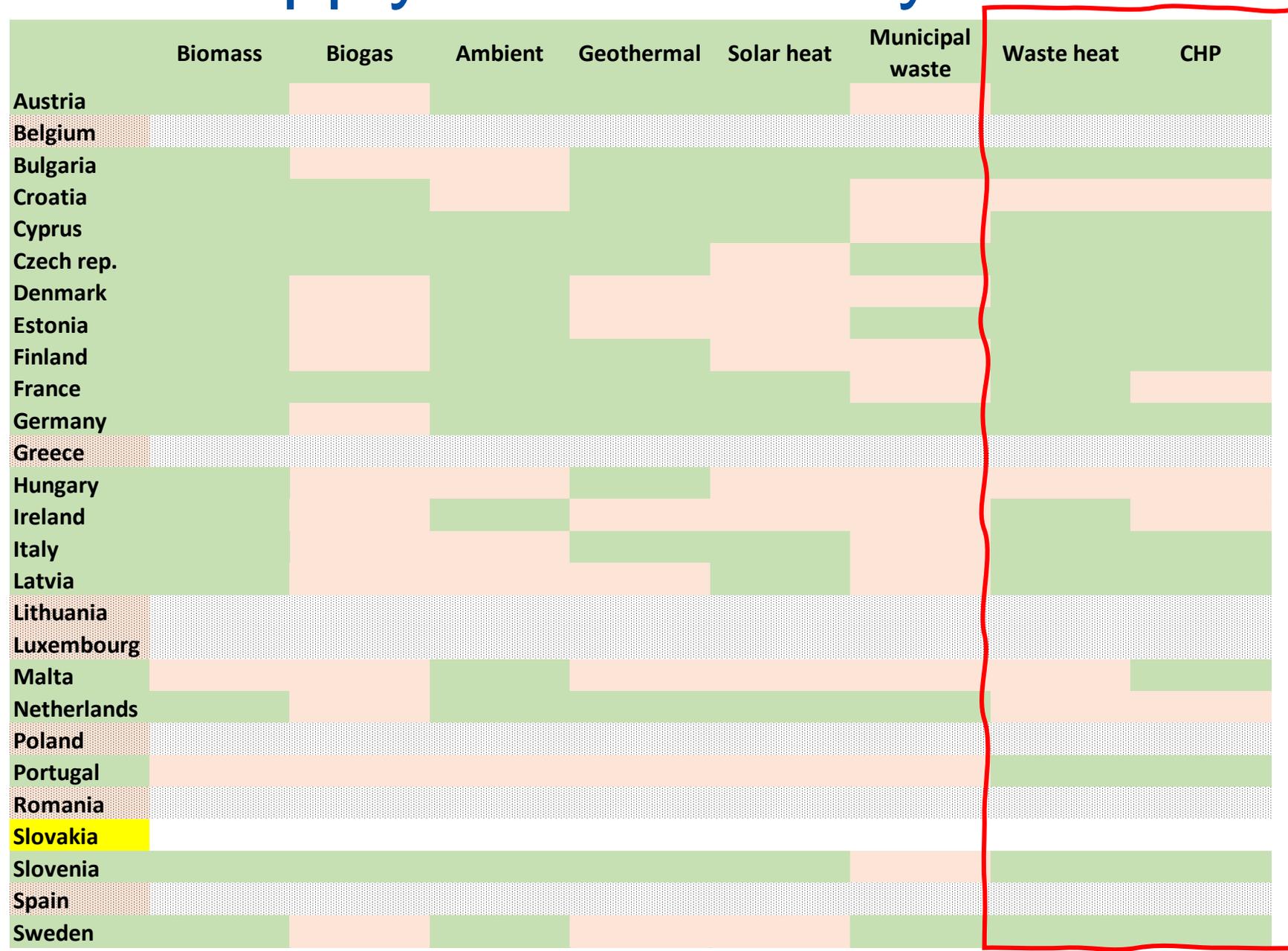


System integration in the EED recast proposal

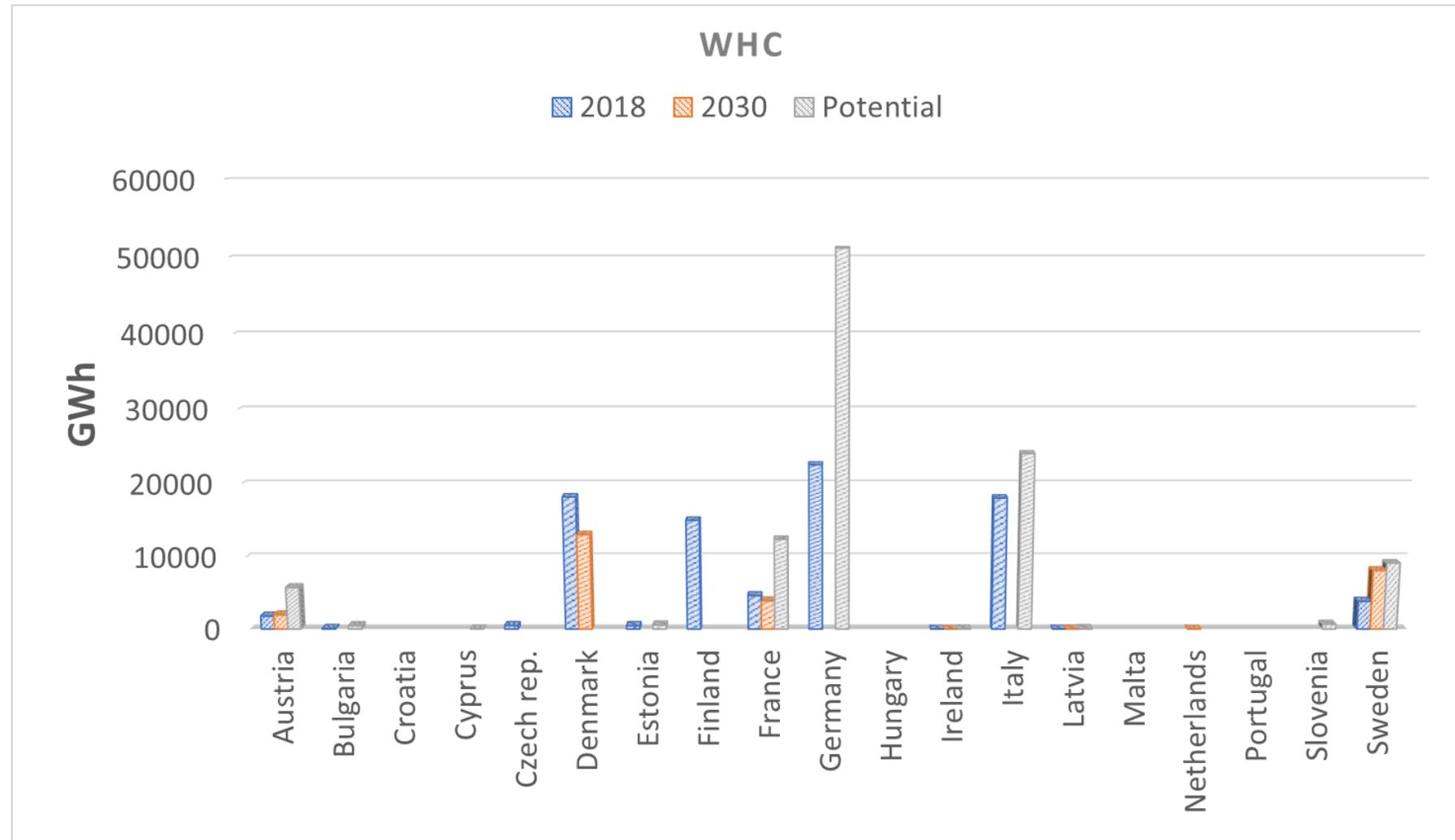
- Revised definition for the efficient district heating and cooling
- Cost-benefit analyses in Article 24(4)
 - Lowering the thresholds from 20 MW to 5 MW
 - Extension of the requirement to data centres above 1 MW
 - Requiring cost-benefit analyses from nuclear facilities
- Collecting information on cost-benefit analyses in Article 24(9)

System integration aspects in Comprehensive Assessments

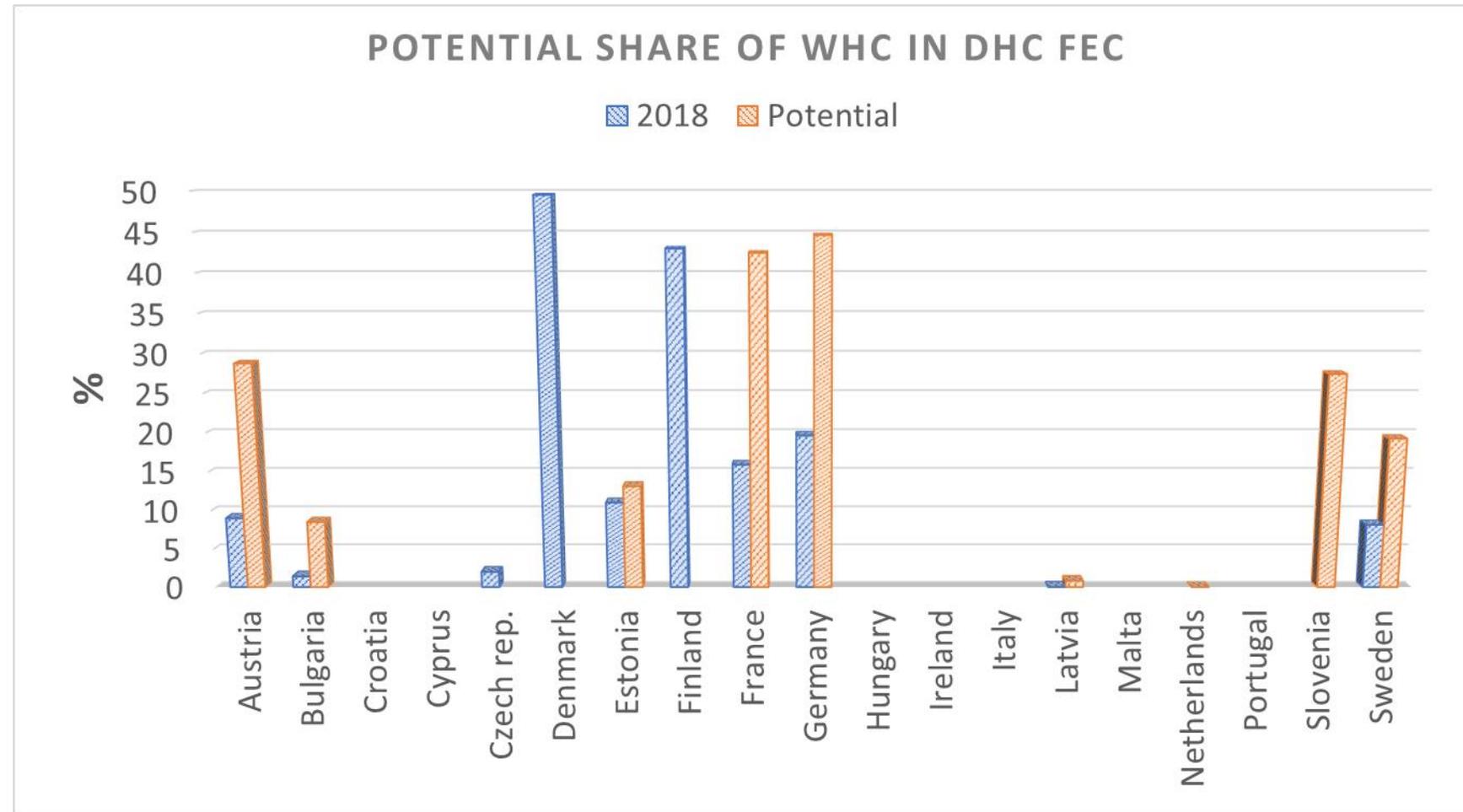
Heat supply sources analysed



- Large potential identified in AT, FR, IT and DE
- Other countries identify limited potential



- Potential can meet a significant share of DHC FEC in AT, FR, DE, SI, and SE > 20%



Thank you

Website:



www.europa.eu/energy



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