Policy drivers for transition in heating and cooling supply
District heating and cooling

Madis Laaniste, Unit B2 - Energy Efficiency: Policy and Financing

Matthieu Ballu, Unit C1 - Renewables and Energy System Integration Policy
Policy drivers

EU strategy on energy system integration

Share of energy from renewable sources for heating and cooling, 2022

EU imports Aug 2022

EU imports Aug 2021

#EUGreenDeal

#REPowerE
Energy Efficiency Directive (EU) 2023/1791
Article 25: Heating and cooling assessment and planning

• Comprehensive heating and cooling assessment in NECPs

• Regional and local authorities to prepare local heating and cooling plans

  ➢ at least in municipalities with a total population higher than 45,000
Energy Efficiency Directive (EU) 2023/1791 Article 26: Heating and cooling supply

- Progressive evolution of **efficient district heating and cooling** definition in view of the sector decarbonisation in 2050

- District Heating and Cooling conversion plans
  - for systems having total heat and cold output $\geq 5$ MW and not meeting the requirements for the EDHC
**Renewable Energy Directive (EU) 2023/2413**

**Overall target and Article 23: RE in Heating and cooling**

- **New overall target**: 42.5% RES in energy consumption: doubling previous pace.

- **Binding national target for RES in heating and cooling** + additional indicative increase.

- Option to count waste heat and electricity, as flexibility options.
Renewable Energy Directive (EU) 2023/2413
Article 24: District Heating and cooling

• **National target for RES in district heating and cooling** (2.2 percentage point increase per year 2021-2030).

• Mandatory **cooperation framework between DHC and electricity DSOs**
  - Ensure that potential system services by DHC are taken into account in grid planning and infrastructure development
  - Support participation in electricity markets
Renewable Energy Directive (EU) 2023/2413
Article 24: District Heating and cooling

• Mandatory information on DHC systems (energy performance and RE share).

• Facilitate use of waste heat and cold: coordination framework between DHC and potential sources of waste heat and cold

• Mandatory information on DHC systems (energy performance and RE share).

• Facilitate use of waste heat and cold: coordination framework between DHC and potential sources of waste heat and cold