



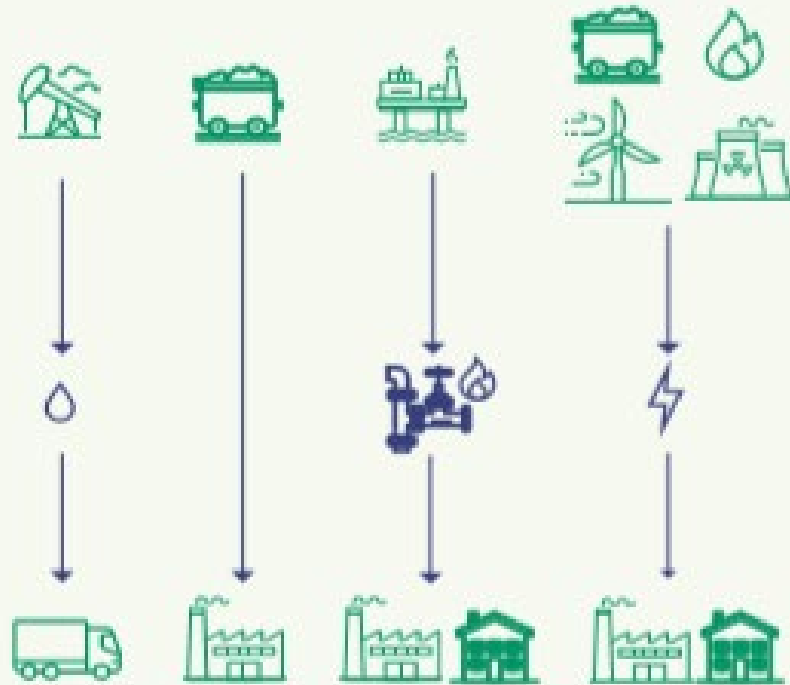
# District heating in a broader EU context

**COOL DH conference: Towards Next Generation of District Heating**

**18 May 2022**

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

**The energy system today :** linear and wasteful flows of energy, in one direction only



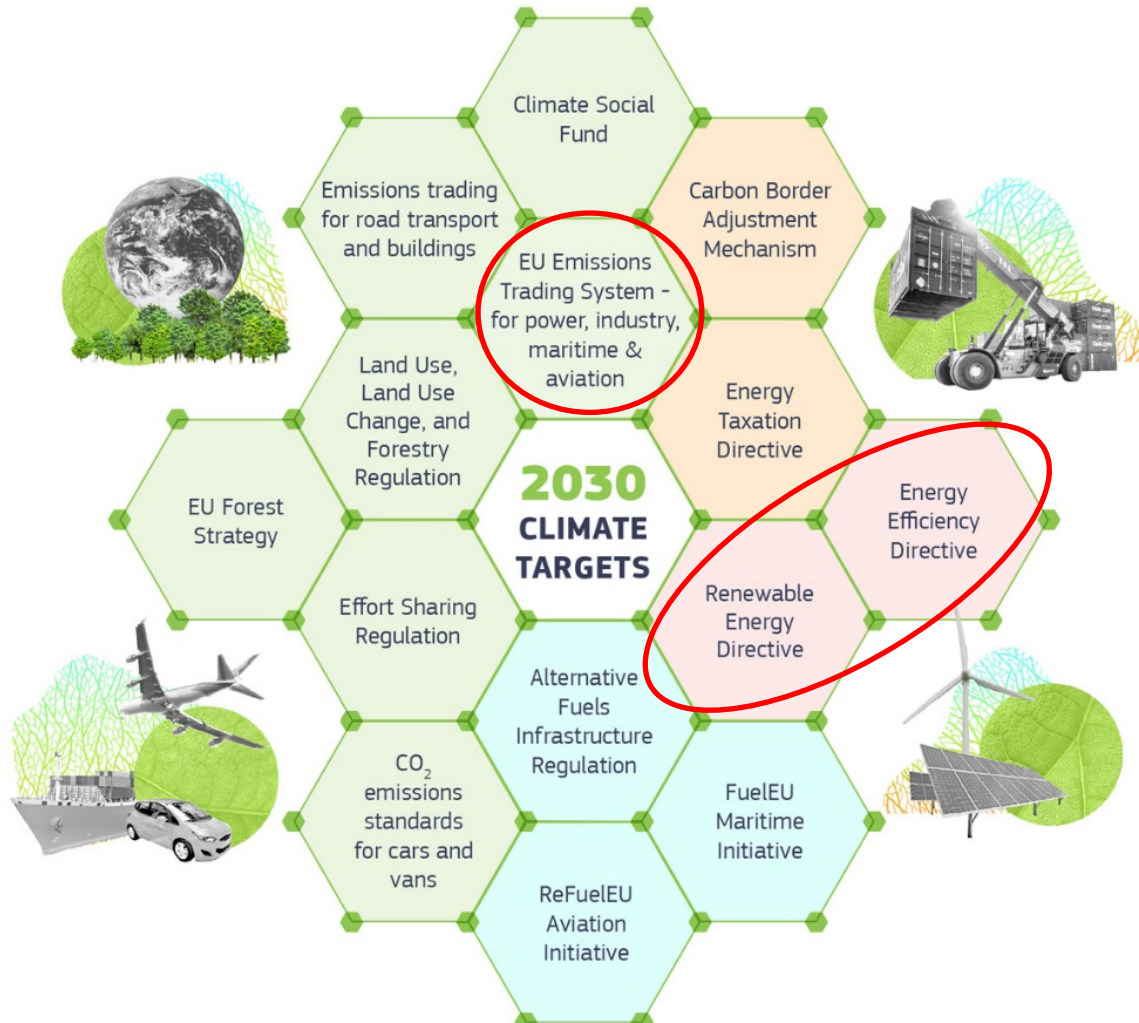
**Future EU integrated energy system :** energy flows between users and producers, reducing wasted resources and money



# The Energy System Integration Strategy and 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

# The Fit for 55 Package

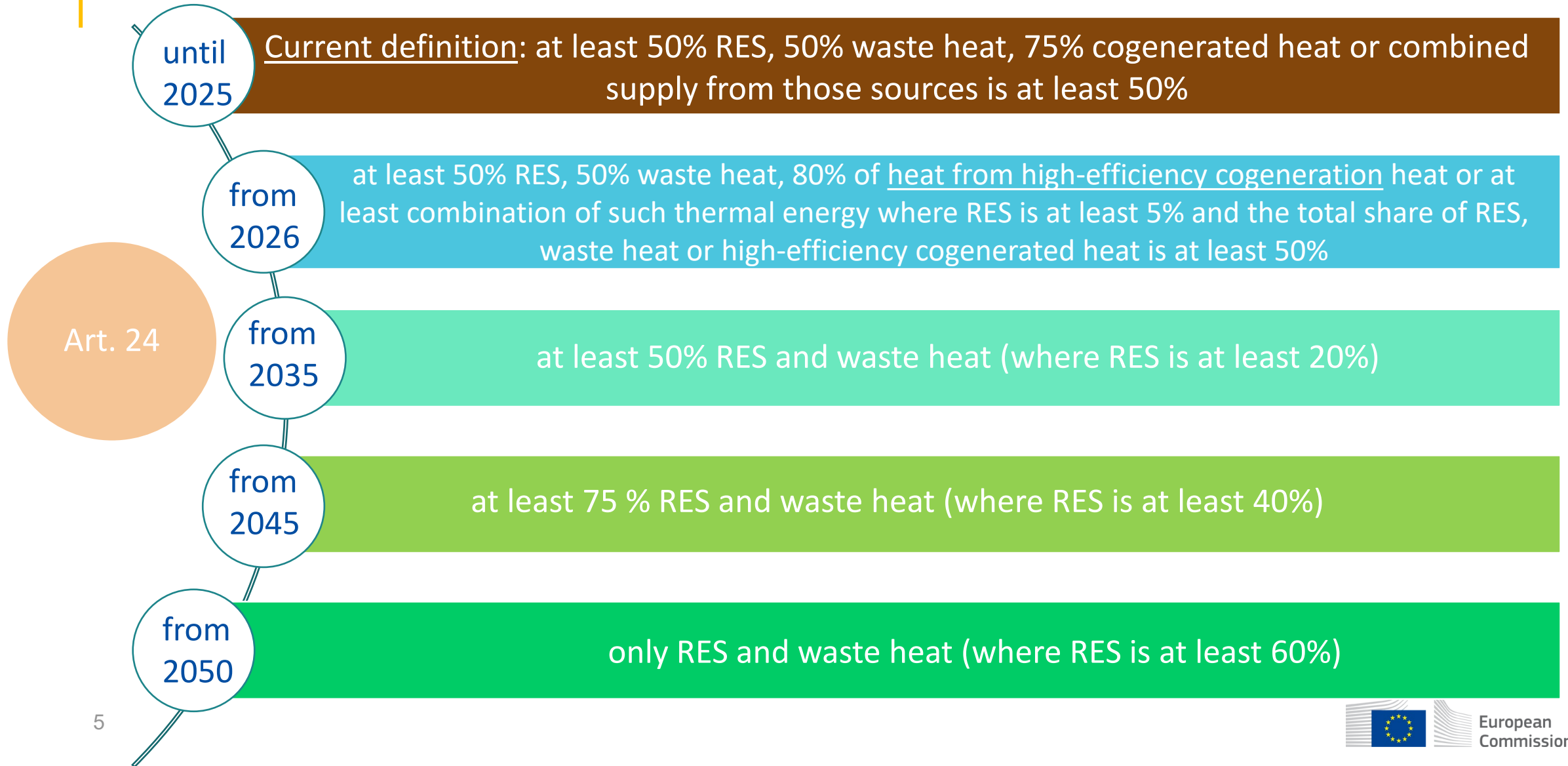


## 2030 Climate Target Plan (September 2020) and its impact assessment:

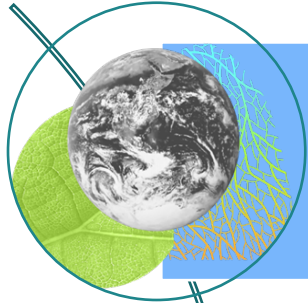
district heating is one of the sectors, where the most cost-efficient potential of reducing GHG emissions is available

+ non legislative review of State aid rules for DH

# Definition of efficient district heating and cooling



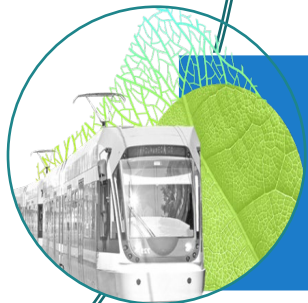
# Energy efficiency in heating and cooling



Any new or substantially refurbished system needs to meet criteria for efficient district heating and cooling when it starts or continues its operation after the refurbishment



From 2025, plans for all the district heating and cooling systems above 5 MW to be converted into efficient district heating and cooling



Cost-benefit analyses for data centres above 1 MW and lower minimum threshold for other installations (5 MW instead of 20 MW)

Article 24

# Revised energy efficiency directive

## New contractual rights for DHC and hot water

Member States:

Shall ensure that *final customers* are granted the following basic contractual rights:

a contract with their supplier that specifies a set of basic information (as in the Electricity Directive 2019/944)

adequate notice of any intention to modify contractual conditions

a wide choice of payment methods

Household customers who have access to prepayment systems shall not be placed at a disadvantage by the prepayment systems



Both *final customers* and *final users*...

...shall have the right to a good standard of service and complaint handling by their suppliers

...shall be offered fair and transparent general terms and conditions in plain and unambiguous language

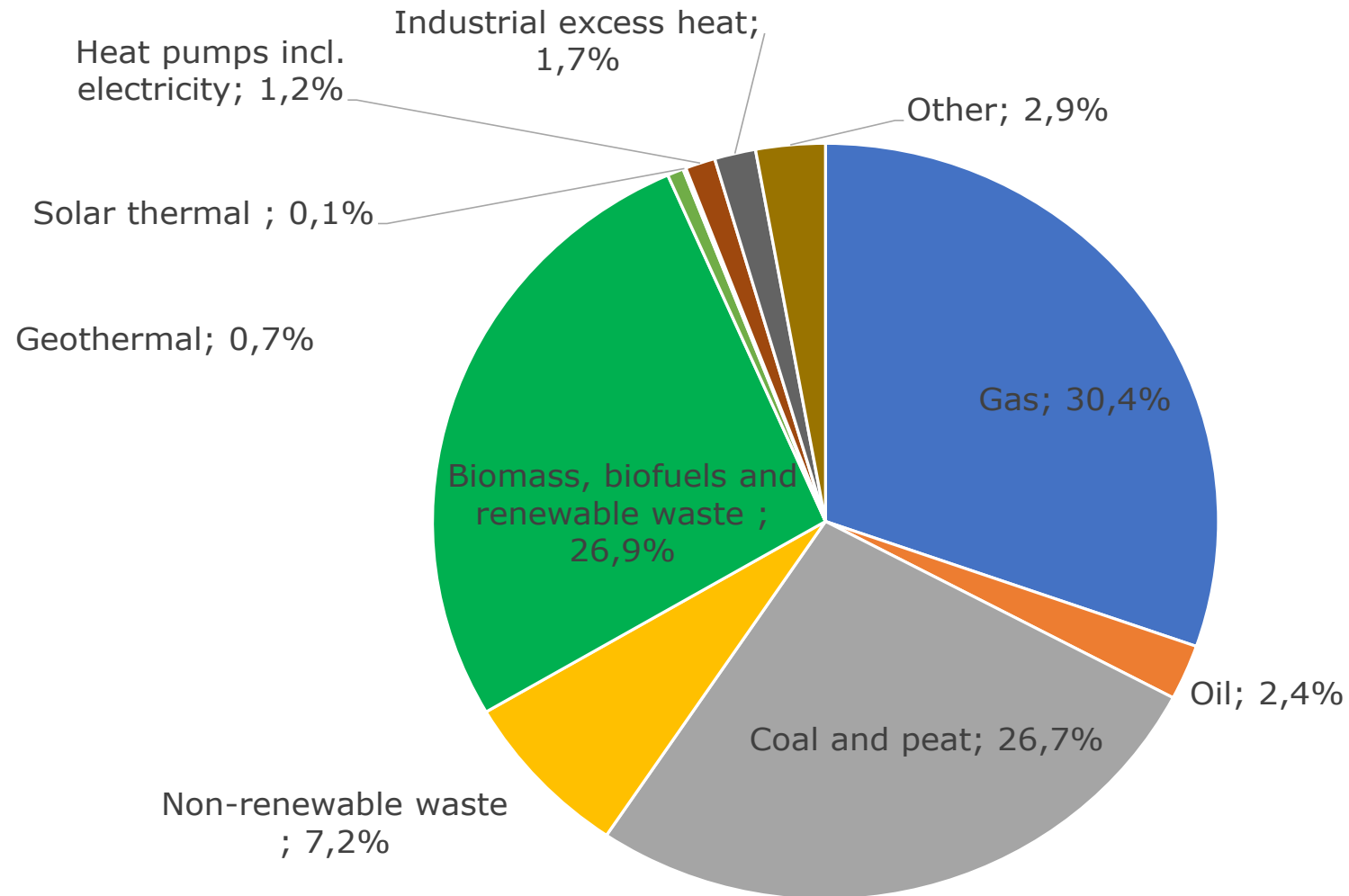
...shall be protected against unfair or misleading selling methods

# Plans for financing of district heating under the ERDF and CF programmes 2021-27

- Information from programmes of 17 EU MS
- High efficiency co-generation, district heating and cooling
  - 7 MS
  - 0.1% (BE) to 4.2% (PL)
  - approximate budget EUR 1.2 billion



# EU-27 District heating supply fuel mix in 2018



# Thank you

**Website:**



[www.europa.eu/energy](http://www.europa.eu/energy)



ion 2020

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