



Fit for 55

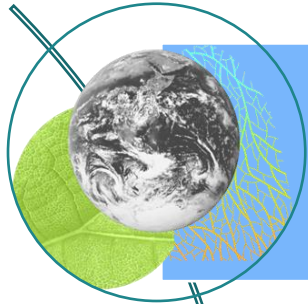
Recast of the

Energy Efficiency Directive (EED) : Heating and Cooling

28 October 2021

Madis Laaniste, ENER.B2
European Commission

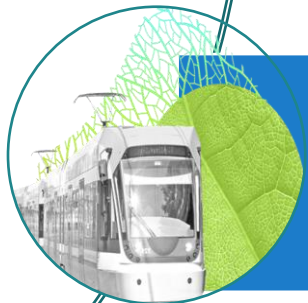
Energy efficiency in heating and cooling



Regular **comprehensive assessments** of heating and cooling within the NECPs



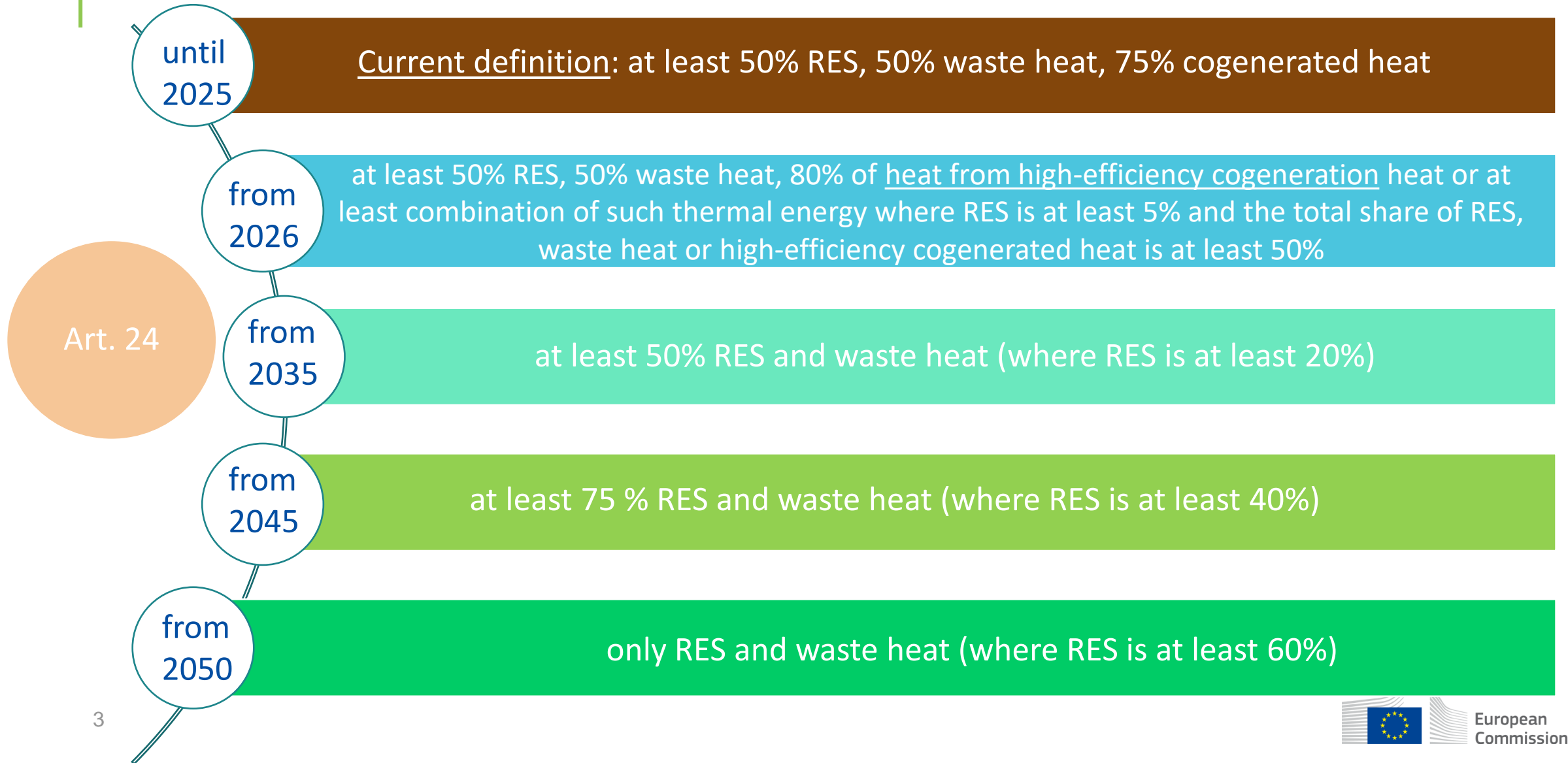
Ensure **implementation of cost-efficient measures** from comprehensive assessments



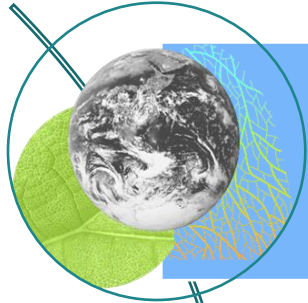
Encourage regional and local authorities to prepare **local heating and cooling plans** at least in municipalities having a total population higher than 50.000

Article 23

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



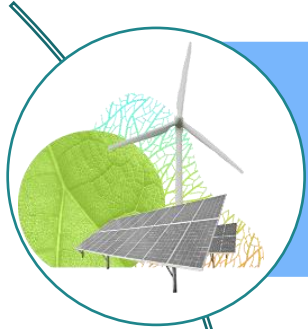
From 2025, plans for all the district heating and cooling systems above 5 MW to be converted into efficient district heating and cooling



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 definition of high-efficiency cogeneration



Direct CO₂ emissions from cogeneration should be less than 270 gCO₂ per 1 kWh of energy output from the combined generation

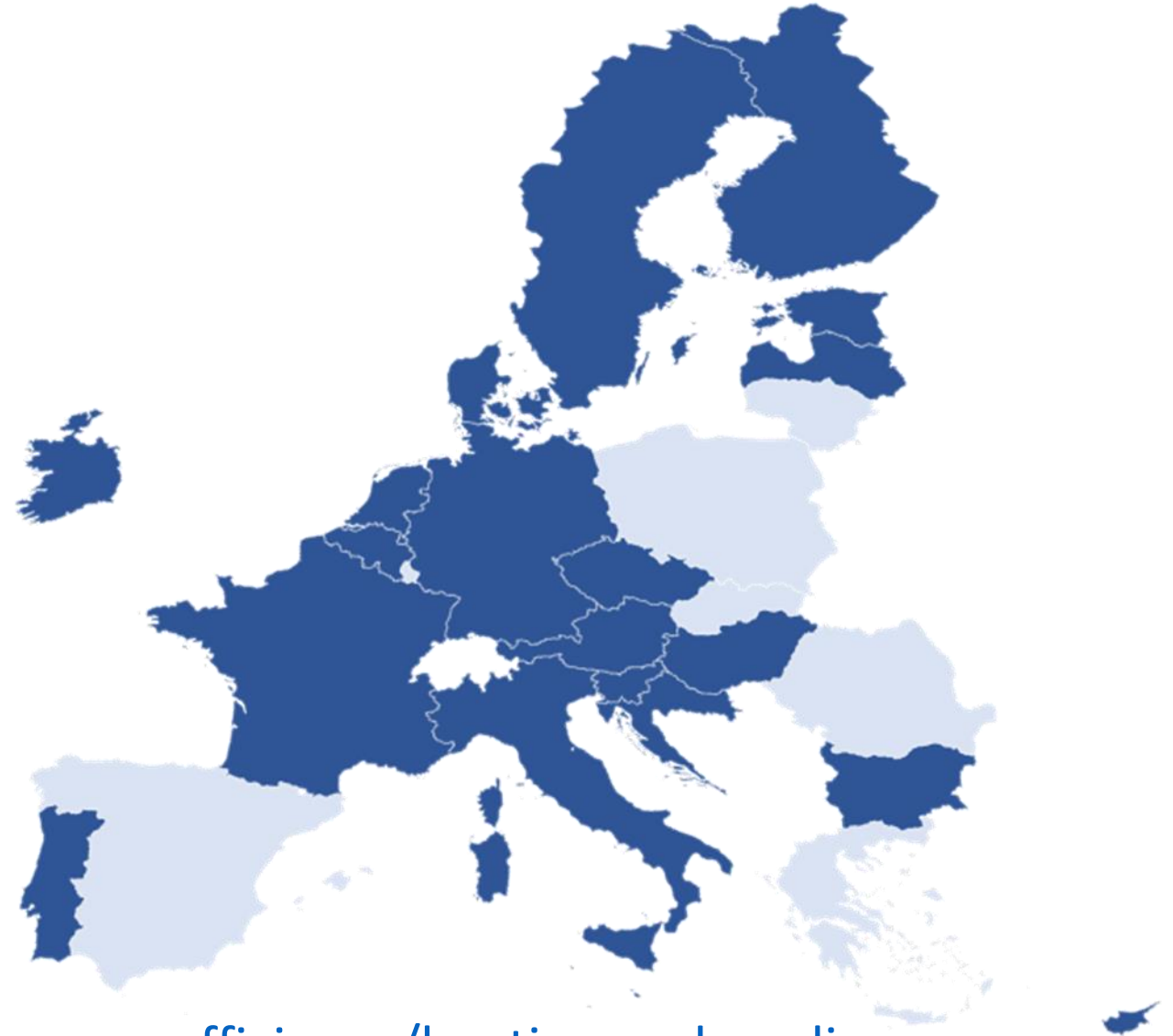


No increase in the use of fossil fuels other than natural gas in existing heat sources compared to 3 previous years. All the new heat sources in the system should not use any other fossil fuels than natural gas.

Article 24
&
Annex III

2020 Comprehensive Assessments: status of notifications

- As of 27.10.2021, in total 20 Member States have notified their CAs
- Covering ~85% of total heat market in EU



https://ec.europa.eu/energy/topics/energy-efficiency/heating-and-cooling_en



Thank you

[Fit for 55 package: EU economy and society to meet climate ambitions \(europa.eu\)](#)
[Proposal for a directive on energy efficiency recast.pdf \(europa.eu\)](#)