



Delivering on the European
Green Deal and Fit for 55

energy efficiency policy background

European Commission – DG ENER
Energy Efficiency unit
Margot Pinault

EU policy context - Overview

- **European Green Deal** - Overarching policy

EU to be climate neutral by 2050 and cut GHG emissions by at least 55% by 2030

- **Fit for 55 package** - Delivering the Green Deal

Set of interconnected proposals, including revision of key legislation **EED, EPBD, RED**

+ **REPowerEU**, call on co-legislators to make the "Fit for 55" package more ambitious and speed up its implementation to end EU dependency on fossil fuels

Global policy context

- **Global Renewables and Energy Efficiency Pledge** – to double the global average annual rate of improvement in energy efficiency from around **2%** to over **4%** per year by 2030



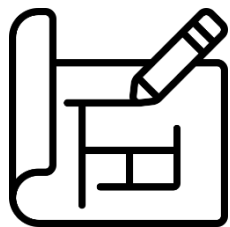
The Energy Efficiency Directive recast

- **Adoption** of the final text on 13 September 2023
- **Publication** in the Official Journal on 20 September 2023:

Directive (EU) 2023/1791

- **Entry into force** on 10 October 2023
- Transposition period of 2 years

Article 3 EED: Energy Efficiency First Principle

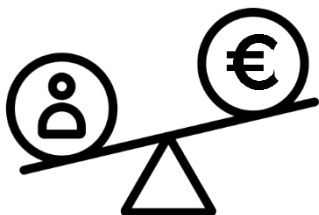


Apply EE1st in **planning, policy and major investment decisions*** in energy systems & non-energy sectors with significant impact on energy consumption

* more than €100 million each and €175 million for transport infrastructure

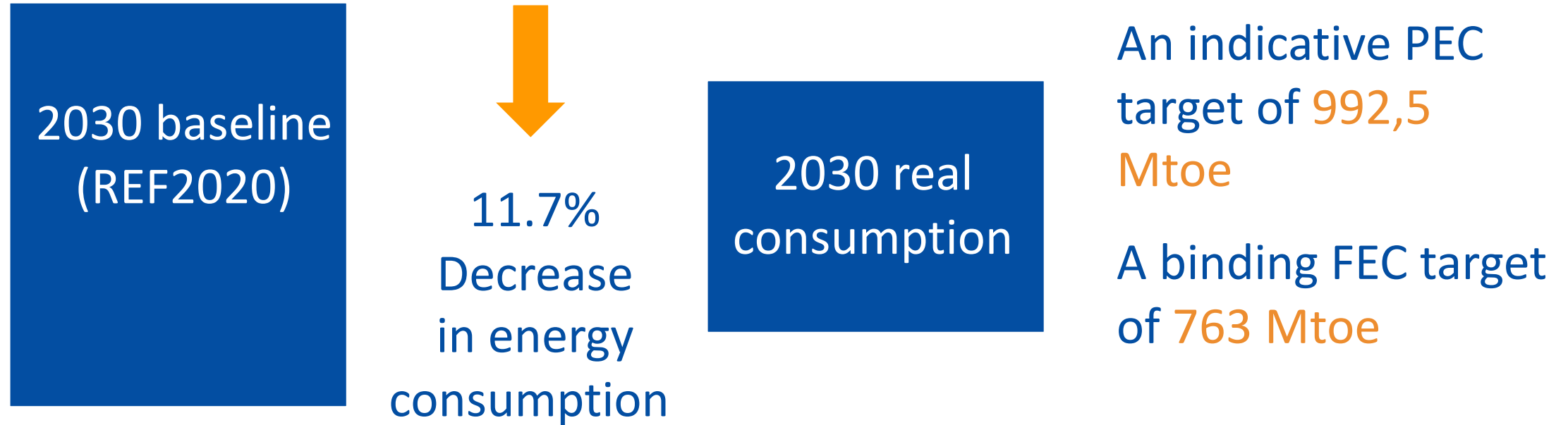


Monitor the application of EE1st (identify a monitoring entity or entities)



Promote and apply **cost-benefit methodologies** (wider benefits of energy efficiency, societal perspective)

Article 4 EED: EU ambition & targets

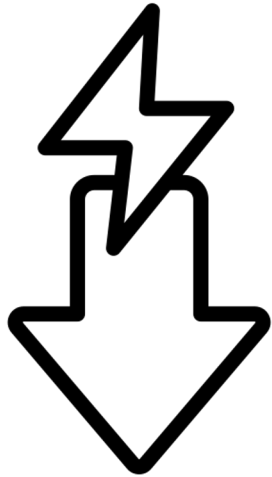


Member States shall set indicative national targets

An “ambition gap” mechanism will ensure that the national targets sum up to the EU targets

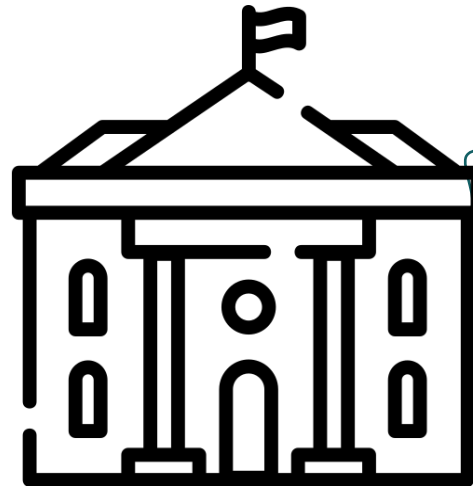
Articles 5 – 7 EED: Exemplary role of public sector

Reduce total
final energy consumption
of all public bodies



1.9% each year

Renovate
heated / cooled buildings
owned by public bodies

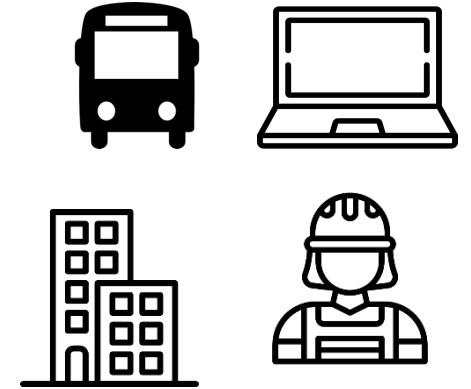


NZEB

Zero-emission

3% each year

Purchase



High energy efficiency
performance

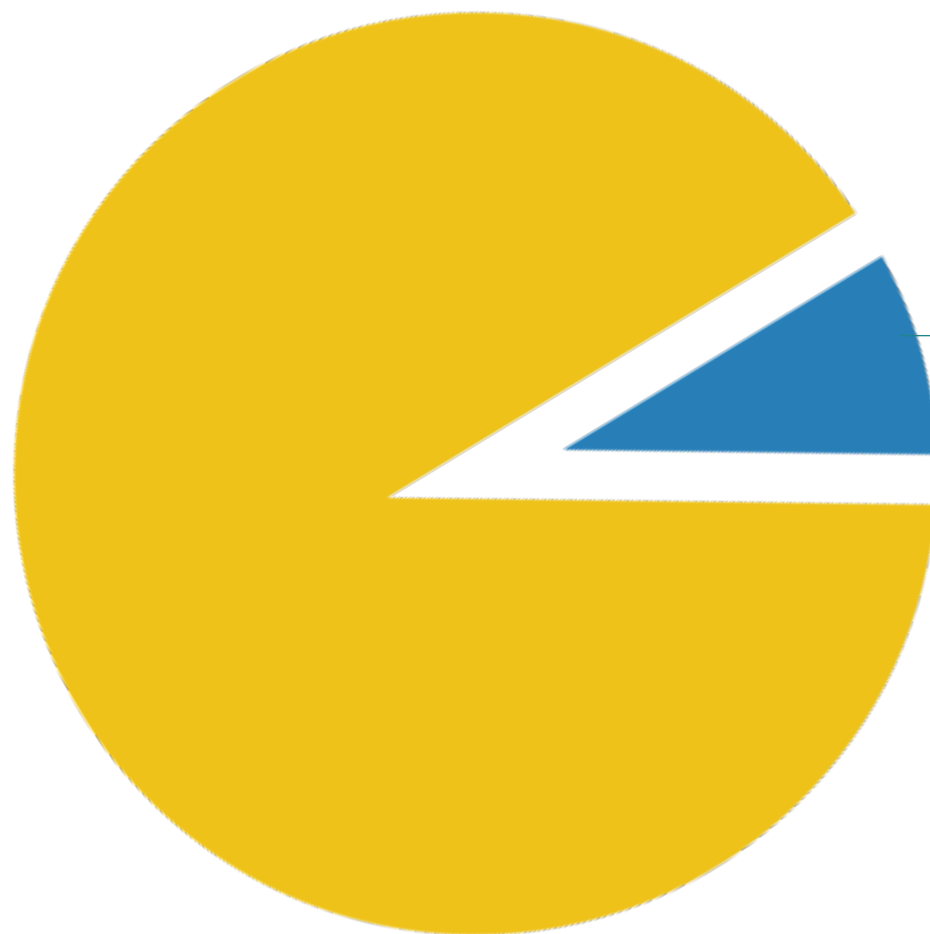
Article 8 EED: Energy savings obligation

Stepwise increase
in annual cumulative
energy savings
obligation in end use:

1.3% as of 2024

1.5% as of 2026

1.9% as of 2028



Just transition sub-target:

Achieve share of the
total amount of energy
savings among
vulnerable customers
and energy poor

**Member
States to
define**

Savings coming from direct fossil fuel combustion progressively
excluded

Article 11: Energy efficiency in industry

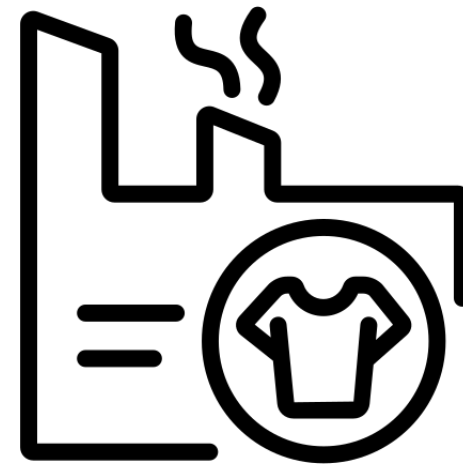
Energy management system

Enterprises with an average annual consumption higher than **85TJ** of energy over the previous 3 years and taking all energy carriers together

Energy audit

Enterprises with an average annual consumption higher than **10TJ** of energy over the previous 3 years and taking all energy carriers together that do not implement an energy management system

Main criterion: energy consumption



ACTION
PLAN!



Article 12: data centres

Owners and operators of data centres on EU territory with an installed IT power demand of at least **500kW** to make publicly available the information on performance of the data centre during the last full calendar year

Articles 25 & 26: Heating and cooling

➤ Article 25:

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**

➤ Article 26:

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

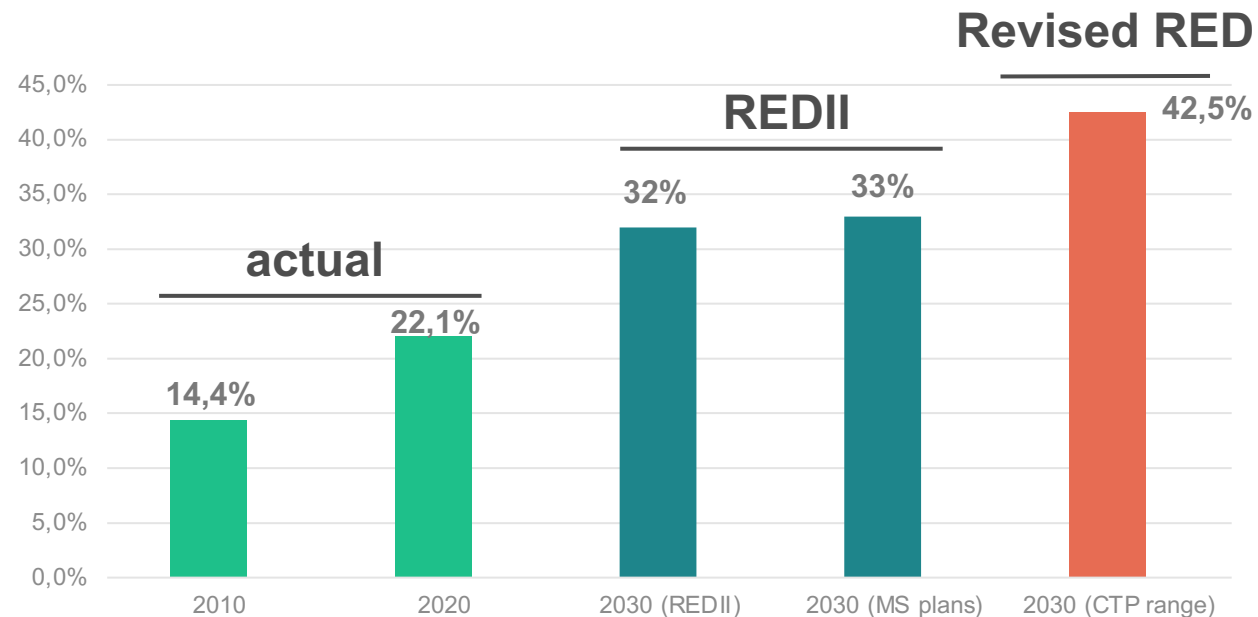
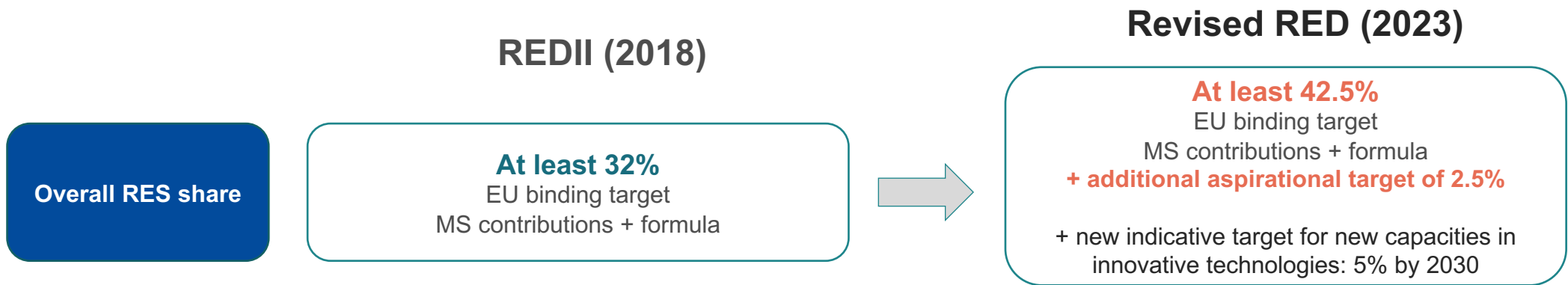


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Background on the renewable energy directive

European Commission – DG ENER
Renewables and Energy System Integration Unit
Vera KISSLER

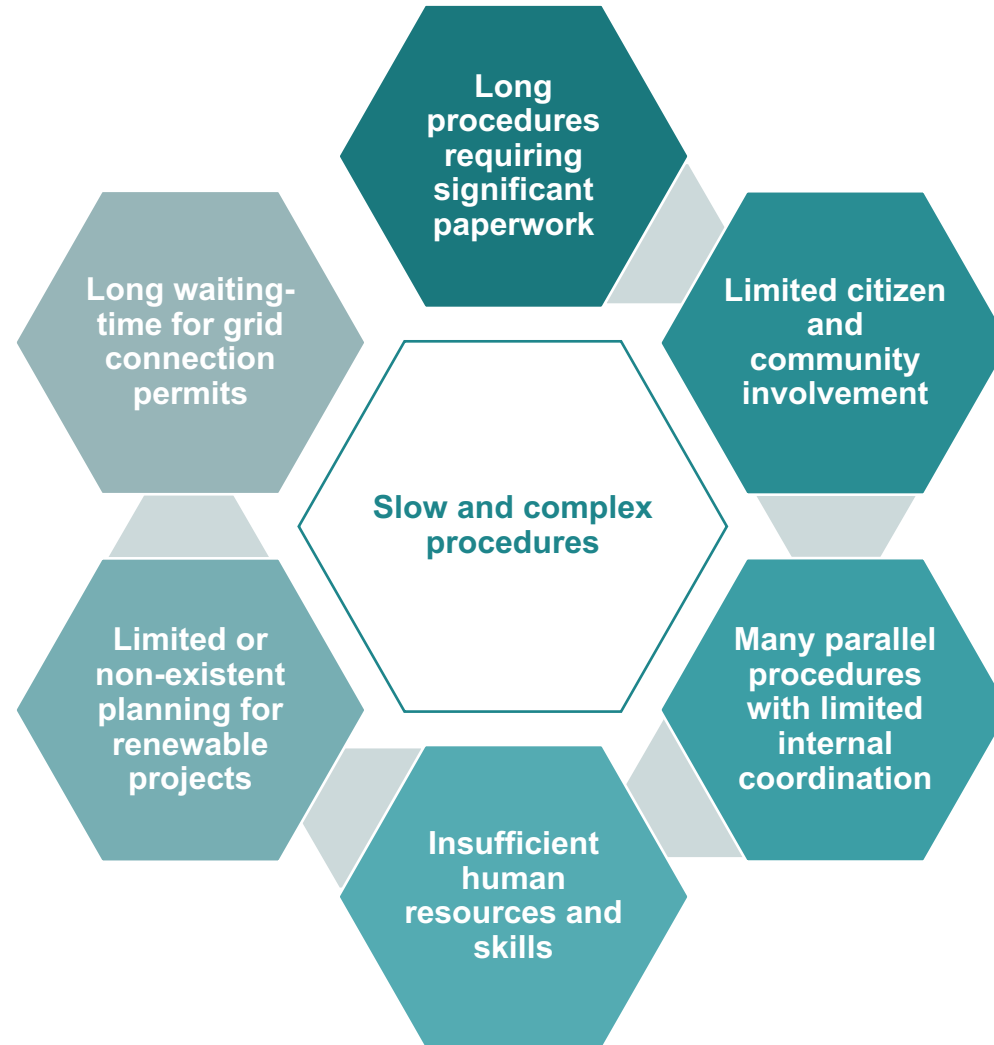
Revised RED: new RES target for 2030



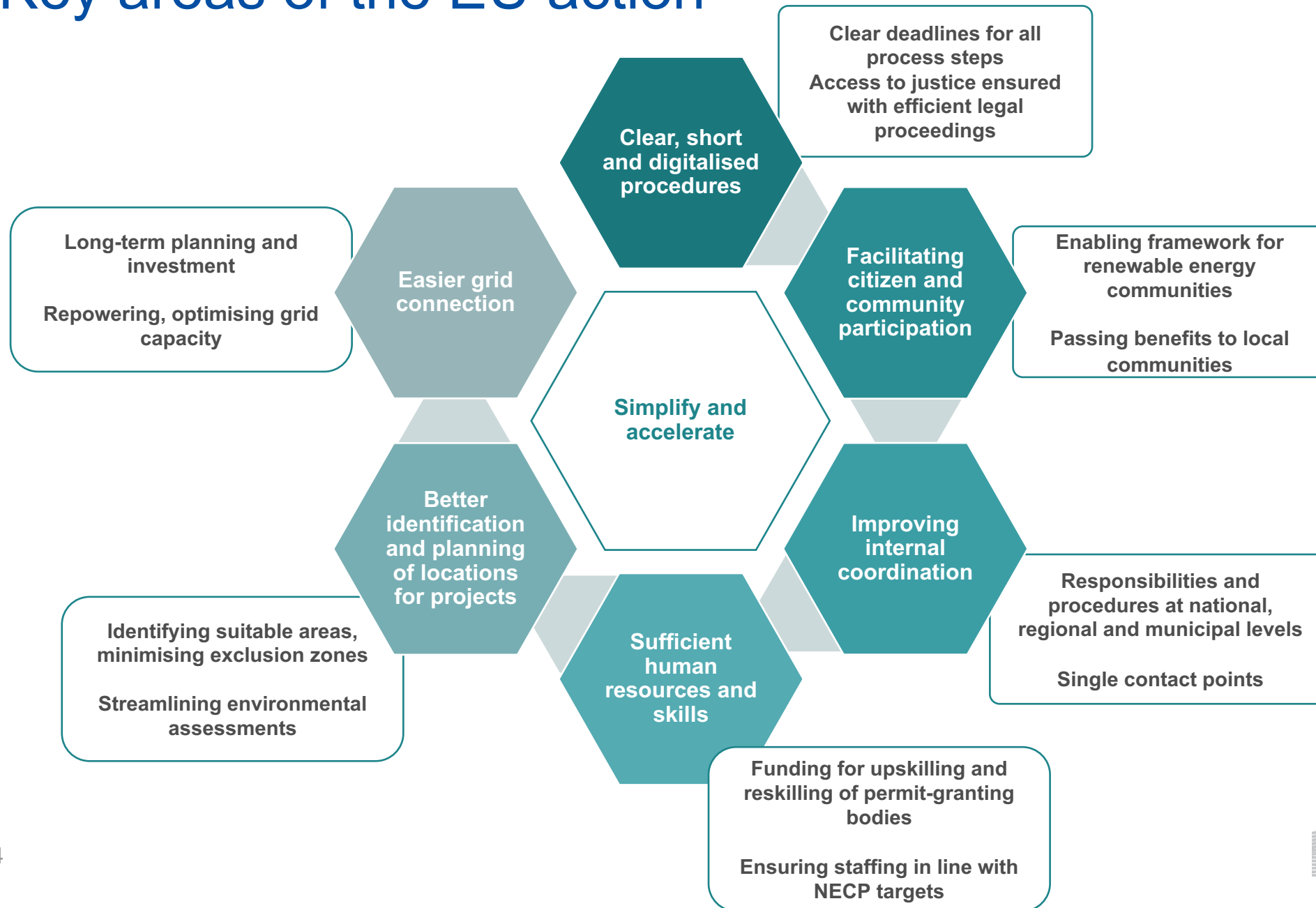
RED – measures to support target achievement



Key issues affecting RES permit-granting procedures

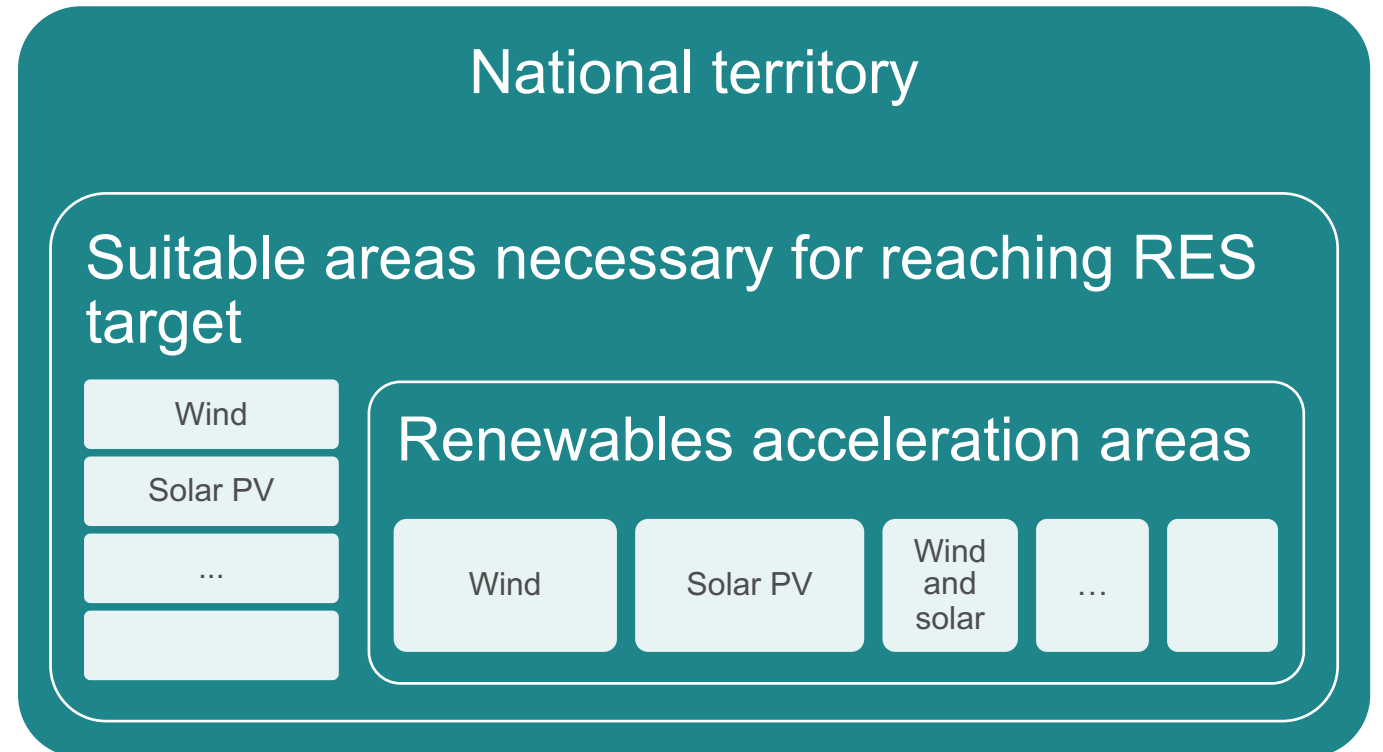


Key areas of the EU action



Revised RED: NECP areas and renewable acceleration areas

- Mapping of necessary areas for national contributions towards the 2030 RES target → by May 2025 (Article 15b)
- Designation of particularly suitable “**renewable acceleration areas**” (RAAs) → by February 2026 (Article 15c)





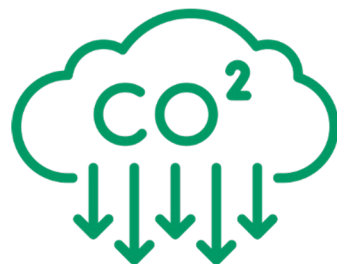
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Background on the revised Energy Performance of Buildings Directive (EPBD)

Text as adopted available at <https://data.consilium.europa.eu/doc/document/PE-102-2023-INIT/en/pdf>

European Commission – DG ENER
Energy Performance of Buildings and Products unit
Thibault ROY

Revised EPBD: priority areas and main provisions



Renovation

Decarbonisation

Modernisation & system integration

Financing

- National Building Renovation Plans
- Minimum Energy Performance Standards
- National trajectories for residential buildings
- Energy Performance Certificates
- Renovation passports

- Zero-emission buildings as new standard
- Whole life cycle carbon calculation and limits
- Solar deployment
- Phasing out of incentives for fossil fuels and new legal basis for national bans

- Infrastructure for sustainable mobility
- EPC digitalisation, data exchange & national and EU databases
- Indoor air quality
- Smart Readiness Indicator

- Public and private financing & technical assistance (one-stop-shops)
- Deep renovation standard
- Priority to vulnerable households