



EU and Energy Efficiency

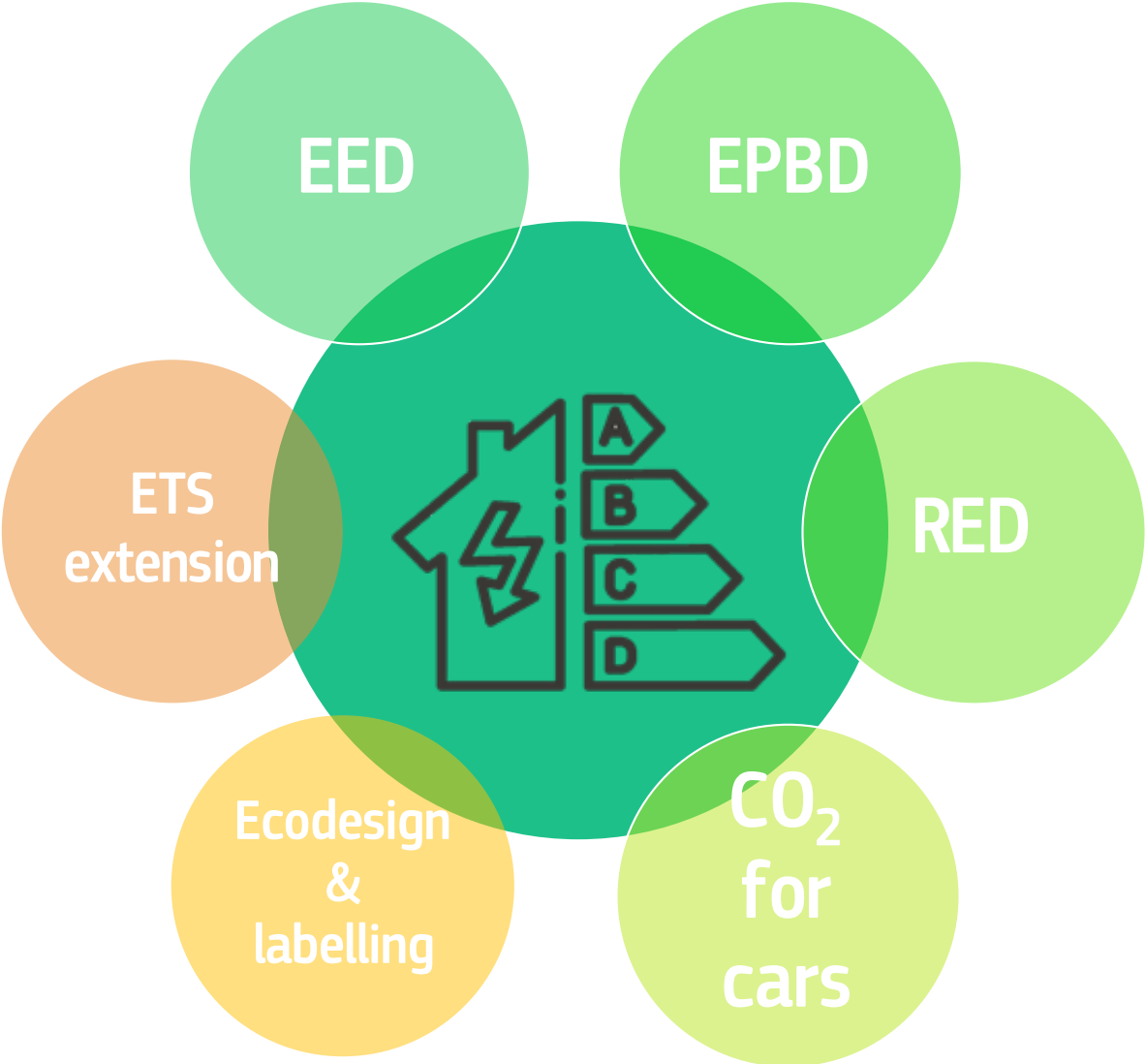
Latest developments

ECEEE summer study 2022

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Energy efficiency at the centre





Fit for 55

Revision of the

Energy Efficiency Directive (EED)

Main elements of the EED

Binding EU energy efficiency target & indicative national contributions

-9 % as compared to
2020 Reference Scenario for 2030
(-36% for FEC and -39% for PEC compared to REF2007)

'Energy Efficiency First' Principle

integral part of energy related
policy and investment decisions

Strengthened energy savings obligation in end-use

1.5 % of annual FEC saved, cumulatively,
new fossil fuels do not count

Stronger exemplary role of public sector

1.7 % annual consumption reduction,
3 % buildings renovated to NZEB annually

Increased focus on alleviating energy poverty and consumer empowerment

prioritise for energy-poor
a share of saving among energy poor

Energy Performance of Buildings Directive recast



Main changes compared to 2018 EPBD

New buildings

Nearly zero-energy →
zero emission

Worst-performing
buildings

Minimum standards

Planning and
Information tools

Building Renovation Plans
Energy Performance Certificates
Building Renovation Passports



REPowerEU



Additional proposal to Fit for 55

Energy Efficiency Directive

- EU energy efficiency target 13%
- FEC 750 Mtoe, PEC 980 Mtoe

Energy performance of Buildings Directive

- Solar installation on buildings
- 2027 new public and commercial buildings >250m²
- 2028 all public and commercial buildings >250m²
- 2030 all new residential buildings



EU save energy Communication

Energy savings (i)

Achieving short-term energy savings through behavioural change

- Key sectors: **heating** in households and services, **transportation**
- **Information campaigns** on individual actions : turn down heating, encouraging train and cycle use, ...
- **Supporting actions** : rebates on energy-efficient appliance purchase, reduced VAT on high efficiency heating systems and to replace fossil fuels, ...

Potential savings

-5 % gas use (+/- 13 bcm)

-5 % oil use (+/- 16 mtoe)

Energy savings (ii)

Accelerating mid- to long-term energy efficiency measures

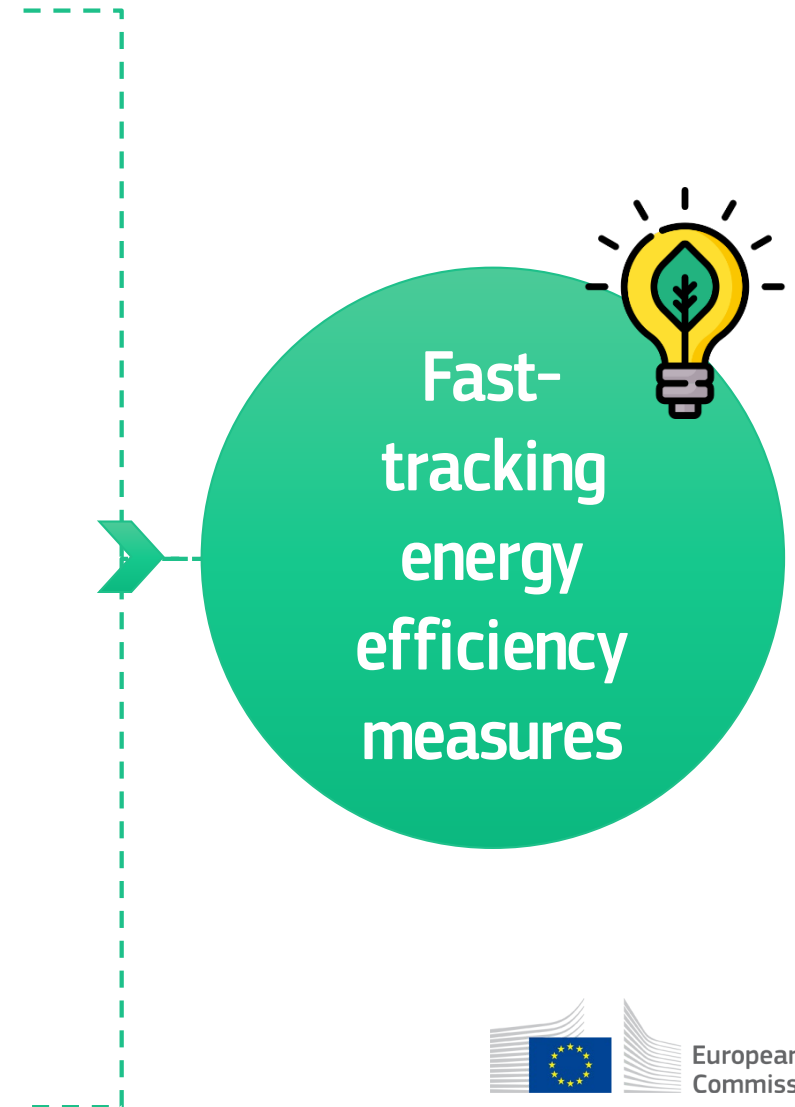
- Strengthen regulatory framework through FitFor55
- Incentivise acting on energy audits
- Smart controls in buildings and district heating
- Increase energy efficiency in transport e.g. motorway speed limits, minimum share of electric vehicles, ...

Financing

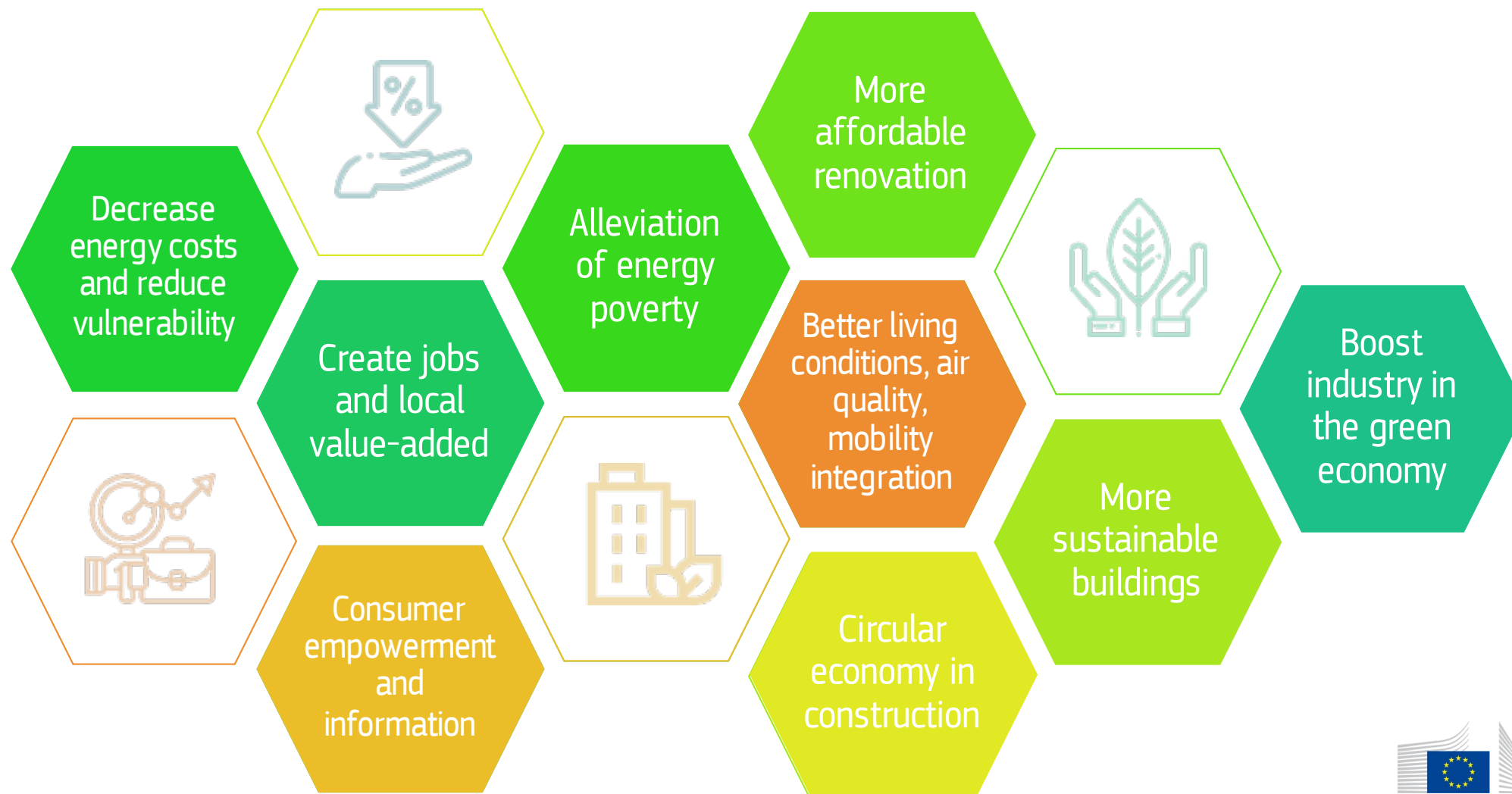
- RRP and MFF (cohesion funds, InvestEU, JTF, ETS, LIFE ...)
- Technical assistance for financing and investments
- Innovative ESCOs
- European Energy Efficiency Financing Coalition

Governance and partners

- Covenant of Mayors, 100 Climate-neutral and Smart Cities Mission
- Energy savings partnerships with specific sectors
- Islands initiative, Initiative on Coal Regions, ...



Benefits expected



Thank you