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# Unlocking EU Funds potential for Energy Efficiency

**ENSMOV Project | Workshop session**

The logo for e.on, featuring the lowercase letters 'e.on' in a bold, red, sans-serif font. The 'e' is lowercase and the 'on' is lowercase, with a period between them. The logo is positioned in the lower right quadrant of the slide.

# EU and national ambitions for a zero-carbon economy

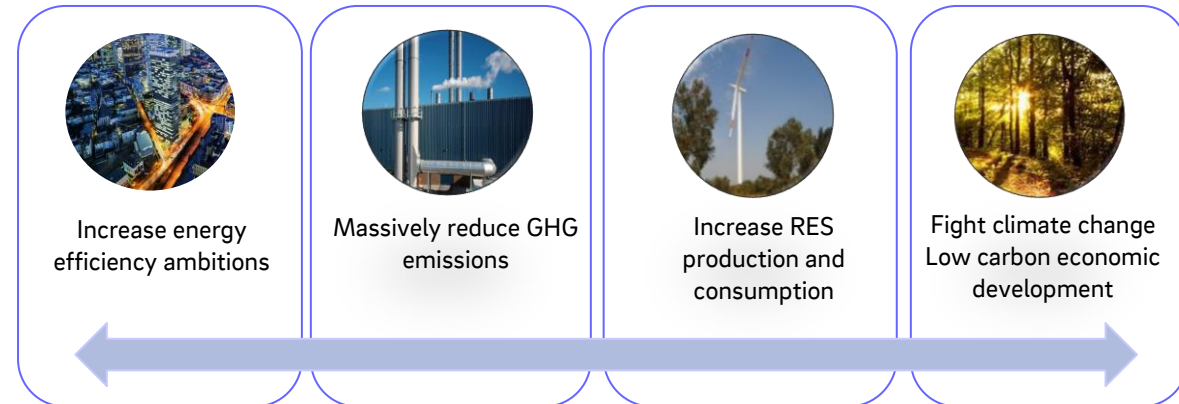
## European Green Deal targets



2030: >50-55% cuts in GHG emissions  
>32% share for renewable energy  
>32.5% increase of energy efficiency

2050: zero GHG emissions

## National Integrated Plan on Energy and Climate Change



2030: GHG emissions: -43.9%  
Total share of renewables in final gross consumption: 30.7%  
Energy Efficiency: -40.4% final energy consumption  
-45.1% primary energy consumption

Energy efficiency solutions will be at the heart of the next decade EU & national investment priorities for the energy field and will be reflected within EU funding dedicated resources.

# Major non-reimbursable financial resources for the investment gap in the energy sector

## EU LONG-TERM BUDGET:

**€1.8 trillion\***

### Multiannual Financial Framework

Cohesion Policy	330.2
Common Agricultural Policy	336.4
New reinforced priorities	335.5
<i>CEF</i>	18.4
<i>Horizon Europe</i>	76.4
<i>Just Transition Fund</i>	7.5
<i>Others</i>	305.4

### Next Generation EU

Recovery & Resilience Fac.	672.5
React EU	47.5
Horizon Europe	5.6
Just Transition Fund	10.0
Invest EU	5.6
Others	8.8

## RO EU FUNDING ALLOCATION:

**€79.9 billion\***

### Multiannual Financial Framework

Cohesion Policy	26.8
Common Agricultural Policy	18.6
Just Transition Fund	0.76

### Next Generation EU

Recovery & Resilience Fac.	30.4
<i>Grants</i>	13.7
<i>Loans</i>	16.7
React EU	1.4
Common Agricultural Policy	0.64
Just Transition Fund	1.0

## ENERGY SECTOR POTENTIAL

### EU Managed Programmes

*CEF Energy / Transport:* PCIs for power smart grid projects, EV charging infrastructure pilot projects

*Innovation Fund:* R&D projects for power & hydrogen solutions

*Horizon Europe:* R&D innovative technologies

*ICPEI:* hydrogen: technologies, pilot projects

### RO Managed Programmes

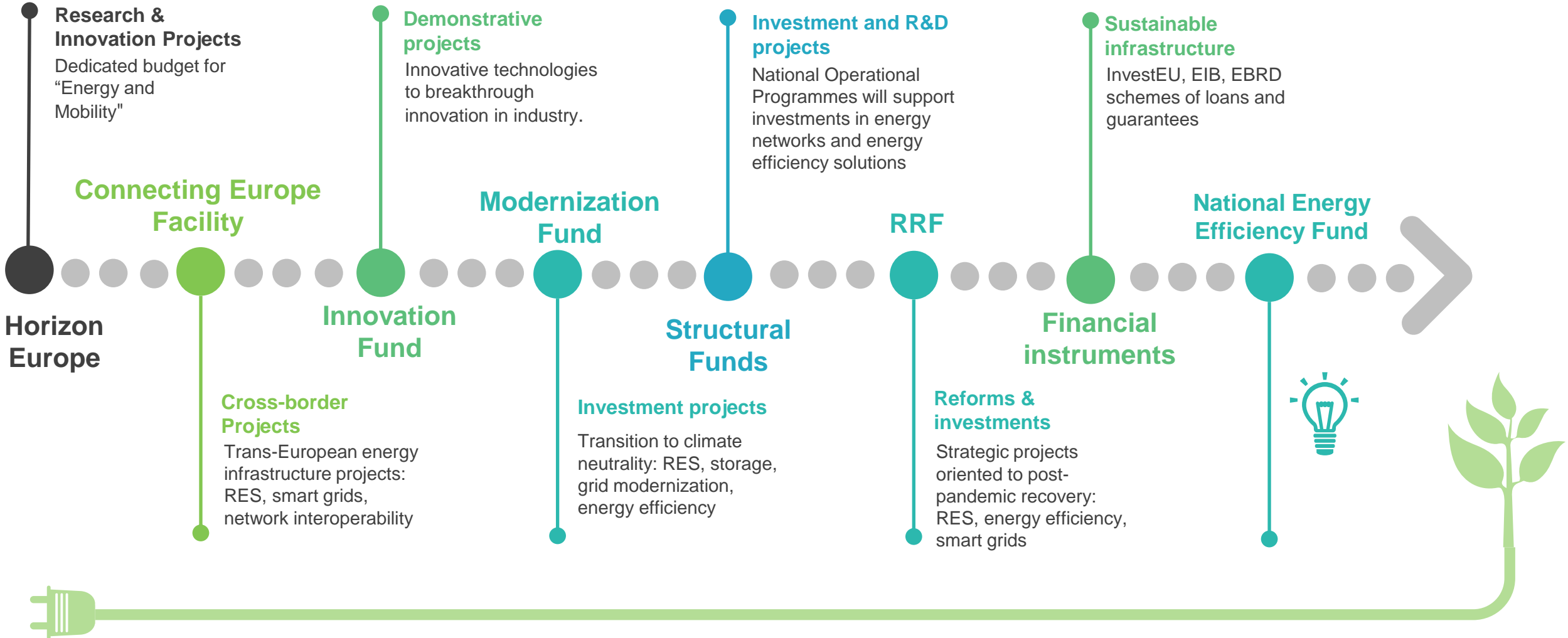
*Operational Programmes (Cohesion Policy):*

- Sustainable Development OP – power infrastructure modernization, digitization (SCADA, smart metering), hydrogen pilot projects, etc.
- Intelligent Growth & Digitization OP (R&D projects, including hydrogen), Regional OPs (EV charging infr., public lightning, etc), Just Transition OP (potential for gas),

*EU ETS Mechanism: Modernization Fund* – power infrastructure modernization, digitization, RES integration, etc.

*\*EU 2021-2027 long term budget is currently under final negotiations and approval procedures; it is estimated that by the end of 2021 funding programmes priorities and financial allocations will be defined.*

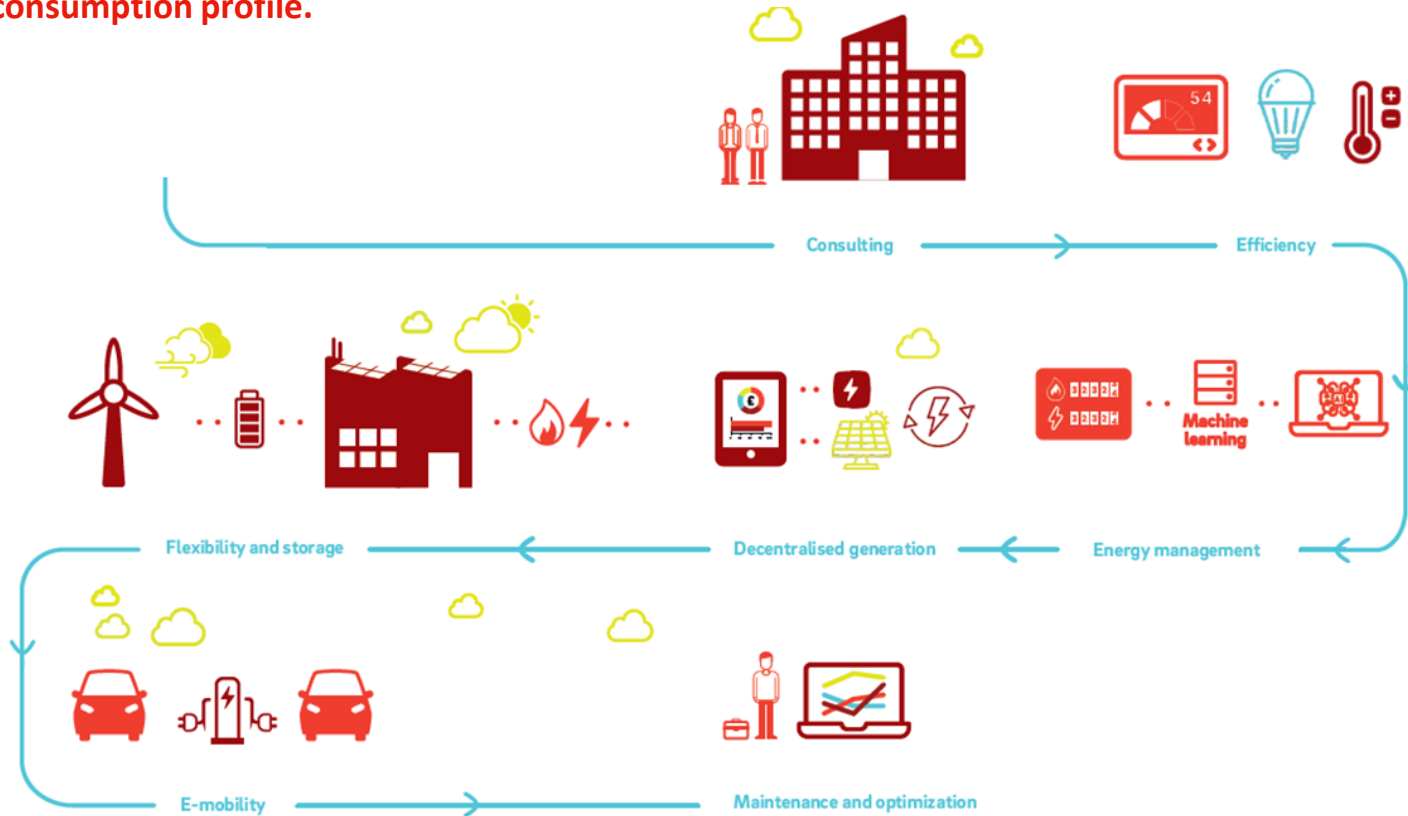
# Energy efficiency financial resources



# Energy efficiency generates more independence for customers

*E.ON as integrated supplier of electricity, natural gas and energy solutions*

**Tailored energy efficiency, customized on industrial and consumption profile.**



## E.ON Romania solutions

- |                   |              |                      |                            |
|-------------------|--------------|----------------------|----------------------------|
| E.ON Photovoltaic | E.ON R-Power | E.ON Lighting        | E.ON Drive                 |
| E.ON Heating      | E.ON CHP     | E.ON Street Lighting | Energy Efficiency Services |

## E.ON Group Case Study:

*Hyllie/Malmö Sustainability in Sweden: Digitalization as the driver of the urban energy revolution*

### Smart City concept

- Smart Home
- Smart Building
- Local generation
- Integrated smart networks
- Sustainable mobility
- Climate-neutral carbon footprint
- Local energy storage

### Facts and figures

**Objective** - 100% renewable energy by 2030

**Achievements so far:**

- 70% electricity from local production
- 13,500t CO2 savings per year
- 2,000 apartments
- 8,500 jobs
- 4,500-metre-long heating grid
- 900-metre-long cooling grid

# Path to Success...the way forward?

- **Prepare** investment projects to support the transition of power and gas infrastructures towards Smart Grids
- **Develop** pilot projects to test gas grids readiness to integrate hydrogen & green gases
- **Seize** EU funding opportunities for energy efficiency projects while contributing to climate goals achievement
- **Capitalize** on existing best practices and share knowledge across borders for developing highly-effective & mature projects

Points of interest



## Required steps

- **Unlock** the available sources of funding
- **Develop** interest & capacities for using financial instruments
- **Prepare & adapt** the regulatory framework for the new energy trends (e.g. hydrogen)
- **Stimulate** Research & Innovation for developing energy efficiency projects
- **Commit** to climate-neutrality and act strategically to align the legislative, funding and energy value chain perspectives.



*For E.ON every change counts in making our company more digital, sustainable and customer-oriented.*

# Key-recommendations for the next programming period



## Dialogue

- Programmes should be prepared in close consultation with private environment.
- Objectives & operations should be developed in partnership, in order to get full advantage during the negotiation process.



## Targeted approach

- Objectives of each axis should be correlated with energy sector strategies, targets and identified investment national priorities.
- Green Deal and National Plan for Energy and Climate Change should be carefully considered during the programmes' definition and implementation.



## Bottom-up strategy

- Operations should be designed on the basis of market investment needs.
- Market needs and funding programmes shall be correlated with sector strategies and regulations permissions / restrictions.



## Allocations

- Available sources of funding should be aligned with sector investment needs and strategies.
- Each allocation should be analyzed against bottom-up perspectives (with estimations from the market) and top-down strategic documents (national strategies and regulations permissions / restrictions).



## Capacity building

- The experience gained from previous programming period should be capitalized.
- Lessons learned should be disseminated among all the relevant stakeholders, improvement measures should be identified with high priority.



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