

MINISTRY OF REGIONAL DEVELOPMENT  
National Coordination Authority

# ESIF for Energy Efficiency Now and Post 2020

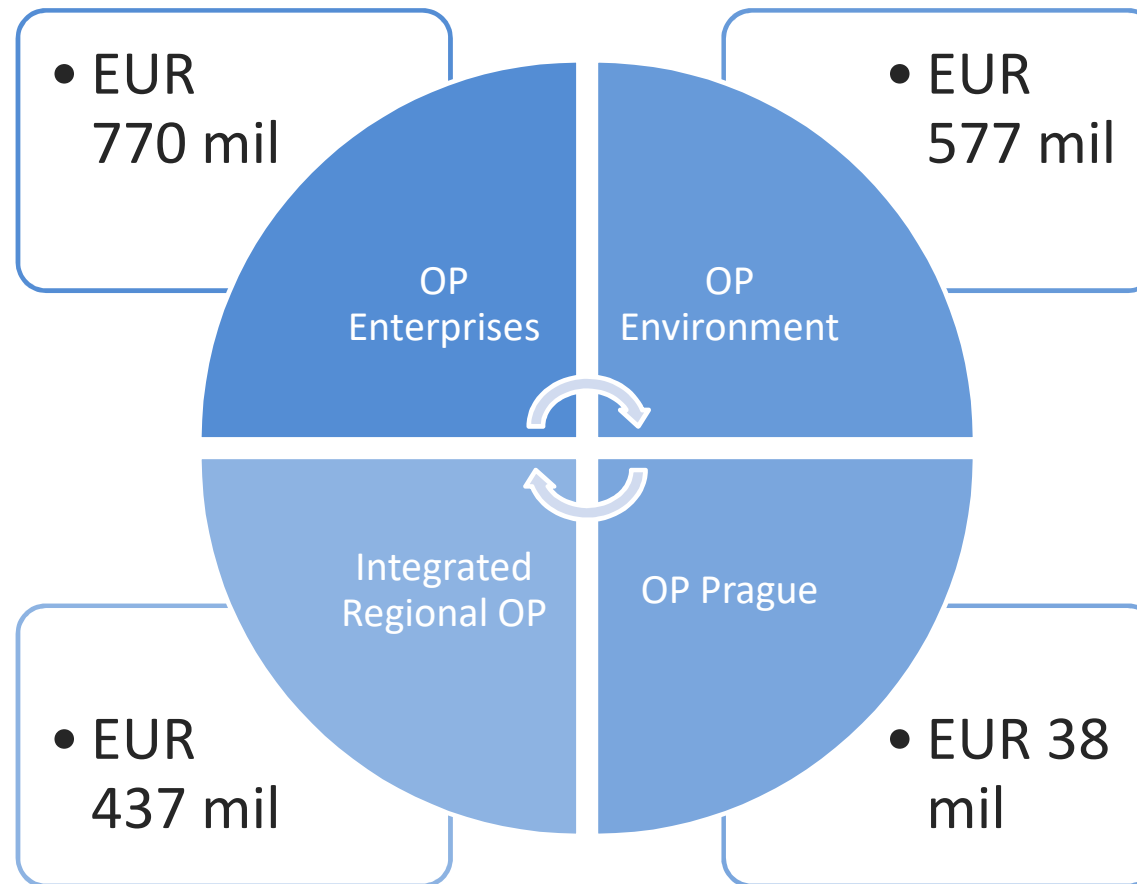
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MINISTRY  
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DEVELOPMENT CZ

# Financing Energy Efficiency 2014-2020



# Fragmentation



## Current Period and Its Bottlenecks

Adjustment	Obstacles
EUR 2 bln (ESIF) National funding 4 Operational programmes	<b>Fragmentation</b> in funding in instruments in beneficiaries in visibility

## Post 2020 Financing



**EUR 20 bln for Czech Republic**



**30 % for low-carbon economy**

# Proposal for a Regulation of European Parliament



Operations are expected to contribute 30 % to climate objectives.

- promoting energy efficiency measures;
- promoting renewable energy;
- developing smart energy systems, grids and storage at local level;
- promoting climate change adaptation, risk prevention and disaster
- resilience;
- promoting sustainable water management;
- promoting the transition to a circular economy;
- enhancing biodiversity, green infrastructure in the urban environment,
- reducing pollution;



#### Thematic area of the shift towards a low-carbon economy and its sub-region

##### Transmission and distribution of electricity and modernization of energy infrastructure

- intelligent elements in power grids and distribution grids (smartgrids) - measurement, etc.
- construction, reinforcement, modernization and reconstruction of transmission system and transformer power lines
- Modernization of distribution systems

##### Thermal energy supply

- introduction of new and reconstruction of existing combined heat and power plants
- use of heat from power plants to supply heat to areas where there is no heat in existing electricity production
- reconstruction and modernization of heat distribution systems, mainly from steam to hot water
- the possibility of exchanging and upgrading heating plants where a cost-benefit analysis demonstrates that meeting the conditions of an efficient system as defined in the Energy Efficiency Directive is not rational
- Increasing energy efficiency on energy sources for distribution

##### Promoting the emergence and deployment of innovative low carbon technologies

- Reducing the share of coal in the production of electricity and heat by using more efficient technologies (eg for increasing the thermal efficiency of the combustion process)
- Introducing new technologies in the field of energy management
- Replacement of coal with greener fuels for electricity and heat generation

##### Promoting an efficient and environmentally friendly use of renewable energy sources

- installation of photovoltaic systems and energy storage for own use by the enterprise and household
- Support for the construction, reconstruction or modernization of small hydropower plants
- support for solar and wind power plants
- promoting the use of geothermal energy in the production of electricity and heat
- support for the use of biogas and biomass in heat and power generation (including the combination of heat and power generation)

##### Increasing energy efficiency and energy savings

- reducing the energy intensity of public buildings, business buildings and family and apartment buildings, increasing the energy efficiency of technical equipment of buildings
- reducing the energy intensity of production
- the introduction of "smart" elements in buildings
- the use of heat from production processes

## Low-Carbon Economy

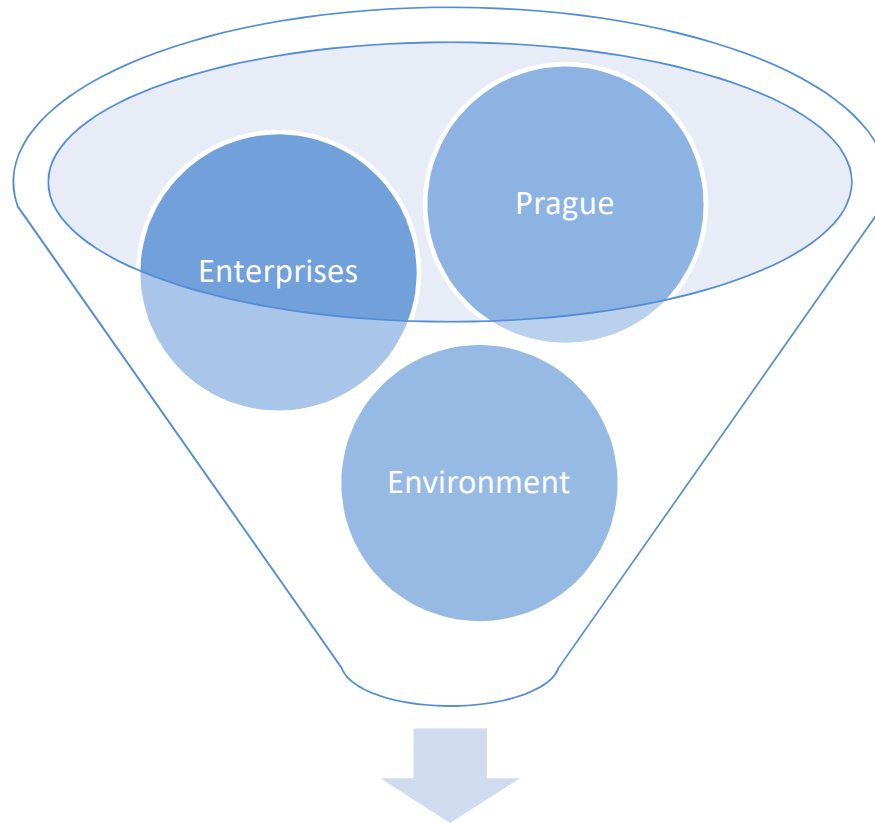
Transmission and distribution of electricity and modernization of energy infrastructure

Thermal energy supply

Promoting the emergence and deployment of innovative low carbon technologies

Promoting an efficient and environmentally friendly use of renewable energy sources

Increasing energy efficiency and energy savings



**Joint Programme for EE**



# Innovative Financial Instruments

- participation in equity (risk capital) funds
- guarantees lending to a large number of final beneficiaries, for instance small and medium-sized enterprises
- risk-sharing with financial institutions to boost investment in large infrastructure projects







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# Thank you for your attention

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EUROPEAN UNION  
Cohesion Fund  
Operational Programme Technical Assistance



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