

Financing energy rehabilitation of buildings and its implementation

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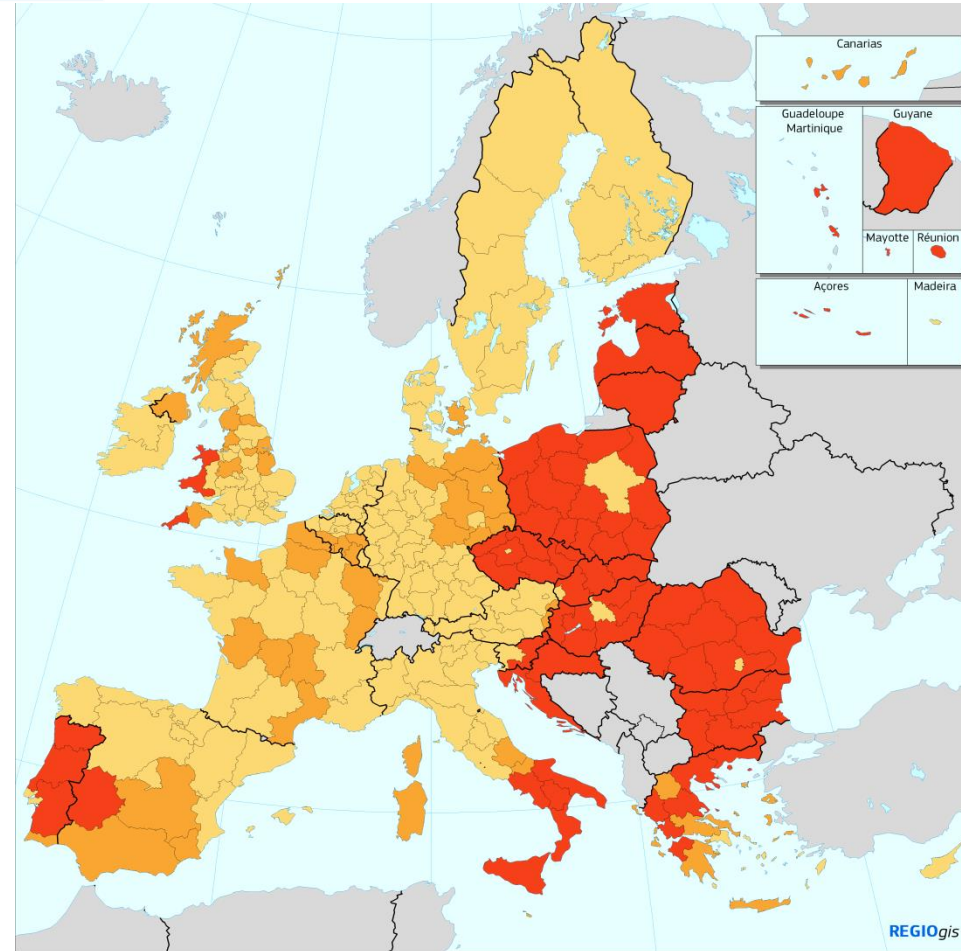
*Serving society
Stimulating innovation
Supporting legislation*





- **Cohesion Policy (ESIF):** 39 B€ for investments in energy efficiency, renewable energy, smart distribution grids and sustainable urban mobility, including research and innovation in those areas, plus some 2 B€ for smart energy infrastructure
- Other ESIF funds: 7 B€ from European Agricultural Fund for Rural Development and European Maritime and Fisheries Fund for low-carbon
- **Horizon 2020:** 5.7 B€ for R&I in "Secure, clean and efficient energy"
- **Connecting Europe Facility:** 4.7 B€ for investments in TEN-E infrastructure of highest European added value
- **LIFE+** and **COSME** also relevant for certain aspects
- **European Fund for Strategic Investments (EFSI):** mobilising private financing for strategic investments, including in renewable energy, energy efficiency and energy infrastructure

- **Based on EU Treaty and aiming at 'economic, social and territorial cohesion' and 'reducing disparities'**
- **Major reform for the 2014-2020 period and alignment with Europe 2020 goals**
- **Three ESIF funds:**
 - European Regional Development Fund (ERDF)
 - European Social Fund (ESF)
 - Cohesion Fund (CF)
- **In total 352 B€ 2014-2020 concentrated in less developed regions**



Structural Funds (ERDF and ESF) eligibility 2014-2020

Category

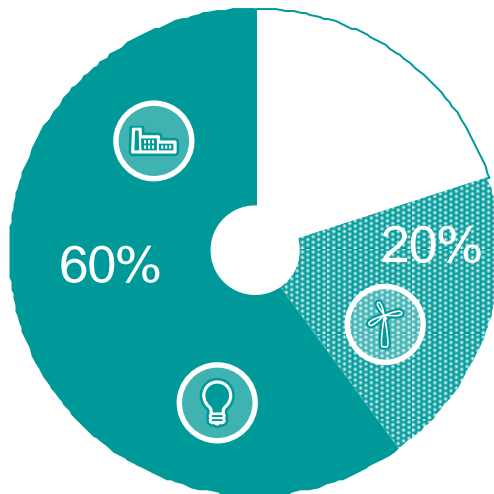
- Less developed regions (GDP/head < 75% of EU-27 average)
- Transition regions (GDP/head between $\geq 75\%$ and $< 90\%$ of EU-27 average)
- More developed regions (GDP/head $\geq 90\%$ of EU-27 average)

2014-2020: Concentration of ERDF resources to maximise impact

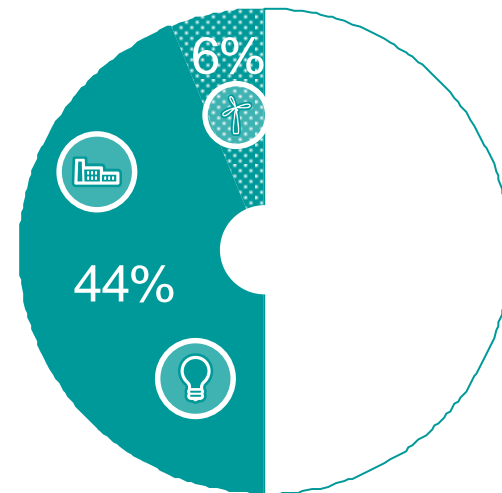
 Research and Innovation

 Energy efficiency and renewable energy

 SMEs competitiveness



Developed regions and
transition regions



Less developed regions

- **Targeting resources at key growth sectors – thematic concentration**
- **Greater focus on results**
- **Pre-conditions for funding – ex-ante conditionalities**
- **Reinforced partnership – engagement of stakeholders**
- **Increased synergies between the five European Structural and Investment (ESI) Funds – of which the three Cohesion Policy funds are part + with other EU instruments**
- **Stronger link to economic governance and European semester processes**
- **Reinforced urban dimension and new tools for integrated territorial development and strategic planning**
- **Increased role for financial instruments**
- **Territorial Cooperation opportunities**

11 Thematic Objectives

Smart Growth

1. **Research & Innovation**
2. Information and communication technologies (ICT)
3. Competitiveness of Small and Medium-sized Enterprises

120 BC

Sustainable Growth

4. **Shift towards a Low-Carbon economy**
5. Climate change adaptation & risk management and prevention
6. **Environmental protection & resource efficiency**
7. Sustainable transport & removing bottlenecks in key network infrastructures

40 BC

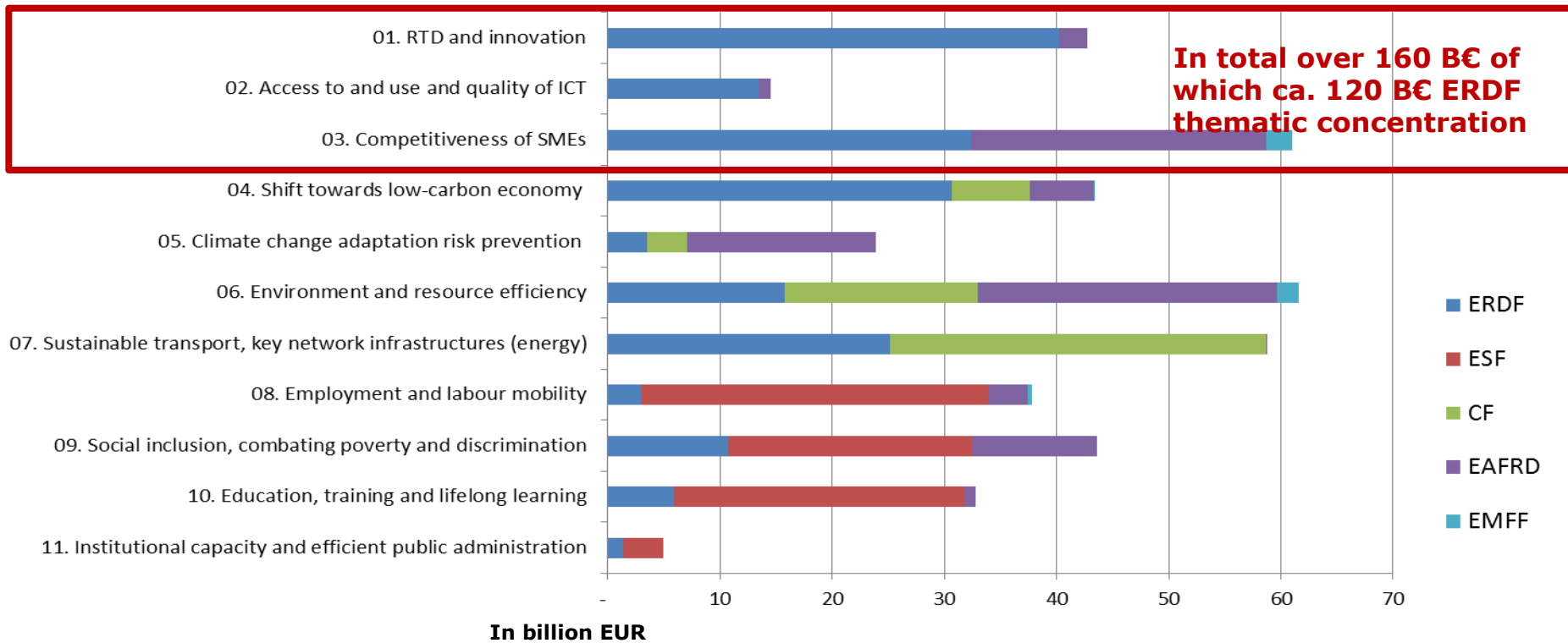
Inclusive Growth

8. Employment & support for labour mobility
9. Social inclusion & combating poverty
10. Education, skills & lifelong learning
11. Institutional capacity building & efficient public administration

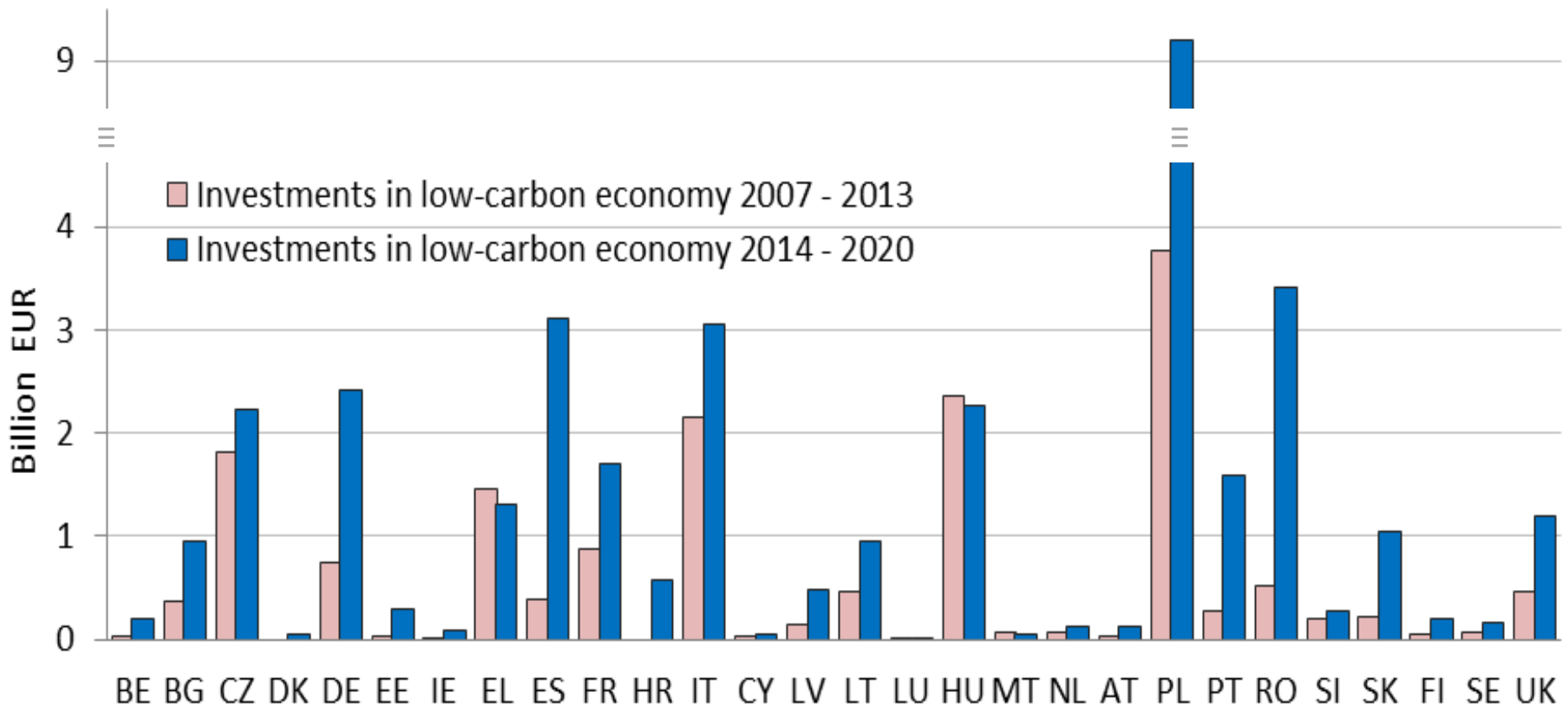
Translated into Fund-specific investment priorities

ESIF programming: State of Play

- Almost all ESIF programmes adopted
- Half of them with Action Plans for RIS3, mainly in monitoring



Cohesion Policy: Doubling of Low-Carbon economy investments





- Promoting **production and distribution of RES**
- Promoting **energy efficiency (EE) and RES use** in enterprises
- Supporting **EE**, smart energy management and RES use in public infrastructures, including **in public buildings, and in the housing sector**
- Developing and implementing **smart distribution systems** at low and medium voltage levels
- Promoting low-carbon strategies for all types of territories, in particular for urban areas, including **the promotion of sustainable multi-modal urban mobility** and mitigation relevant adaptation measures
- Promoting **research and innovation** in and adoption of low-carbon technologies (ERDF only)
- Promoting **the use of high-efficiency co-generation** of heat and power based on useful heat demand

T04 - Energy What?



- **ERDF** and **CF** to allocate € 40 billion to investments in low-carbon: energy **efficiency and renewable energy, smart distribution grids and sustainable urban mobility**, including **research and innovation** (only ERDF) in those areas in **complementarity with Horizon 2020**.
- **ERDF** support also, mainly in less developed regions, to remove bottlenecks in key network infrastructures, including smart energy **distribution, storage and transmission systems**, in **complementarity with the Connecting Europe Facility**. Some € 2 billion expected.
- **ESF** support to ensure that people can adapt, through acquiring **appropriate skills** and through **lifelong learning opportunities**, to new challenges such as the transition to a low-carbon and more **energy-efficient economy**.
- The other **ESI Funds**, European Agricultural Fund for Rural Development (EAFRD) and European Maritime and Fisheries Fund (EMFF), also to invest almost € 8 billion in Low-Carbon activities.

TO4: Which measures?



- **Energy efficiency** for lower energy bills, better living and working conditions, local jobs and competitive businesses (~€19 bn)
- **Sustainable multimodal urban transport** (~€16 bn) to achieve a modal shift and decarbonise the transport sector
- **Renewable energy and smart distribution grids** (~€7 bn) to transform energy systems
- **Research and innovation** boosting Low-Carbon technologies (~€3 bn)
- **Reduction of greenhouse gases and ammonia, carbon sequestration** in rural areas (~€4 bn)
- Additional investments in **training and capacity** (~€1 bn)
- Complementary funding for energy infrastructure and transport

(Note: provisional data based on categories of intervention related to TO4 but included also under other TOs, further verification of the data ongoing)

Further Support



- Smart Specialisation Platform
- EMA Network of Energy and Managing Authorities
- Advisory platform for financial instruments: fi-compass
- Off-the-shelf financial instruments, including 'Renovation loan'
- Administrative capacity support
- Guidance documents, workshops
- RegioStars Awards and Regio OpenDays
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Thank you for your attention!

<http://s3platform.jrc.ec.europa.eu>

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