

SUPPORT FOR SMART GRIDS IN THE 2021- 2027 THE ERDF AND COHESION FUND



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Thematic menu

11 objectives are simplified and consolidated into 5:

1. A smarter Europe (innovative & smart economic transformation)
2. **A greener, low-carbon Europe (including energy transition, the circular economy, climate adaptation and risk management)**
3. A more connected Europe (mobility and ICT connectivity)
4. A more social Europe (the European Pillar of Social Rights)
5. A Europe closer to citizens (sustainable development of urban, rural and coastal areas and local initiatives)

Horizontal issues: administrative capacity building, cooperation outside the programme area

ERDF: PO 1-5

Cohesion Fund: PO 2-3 (excl. broadband)

Policy objective 2:

A greener, low-carbon Europe (including energy transition, the circular economy, climate adaptation and risk management)

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

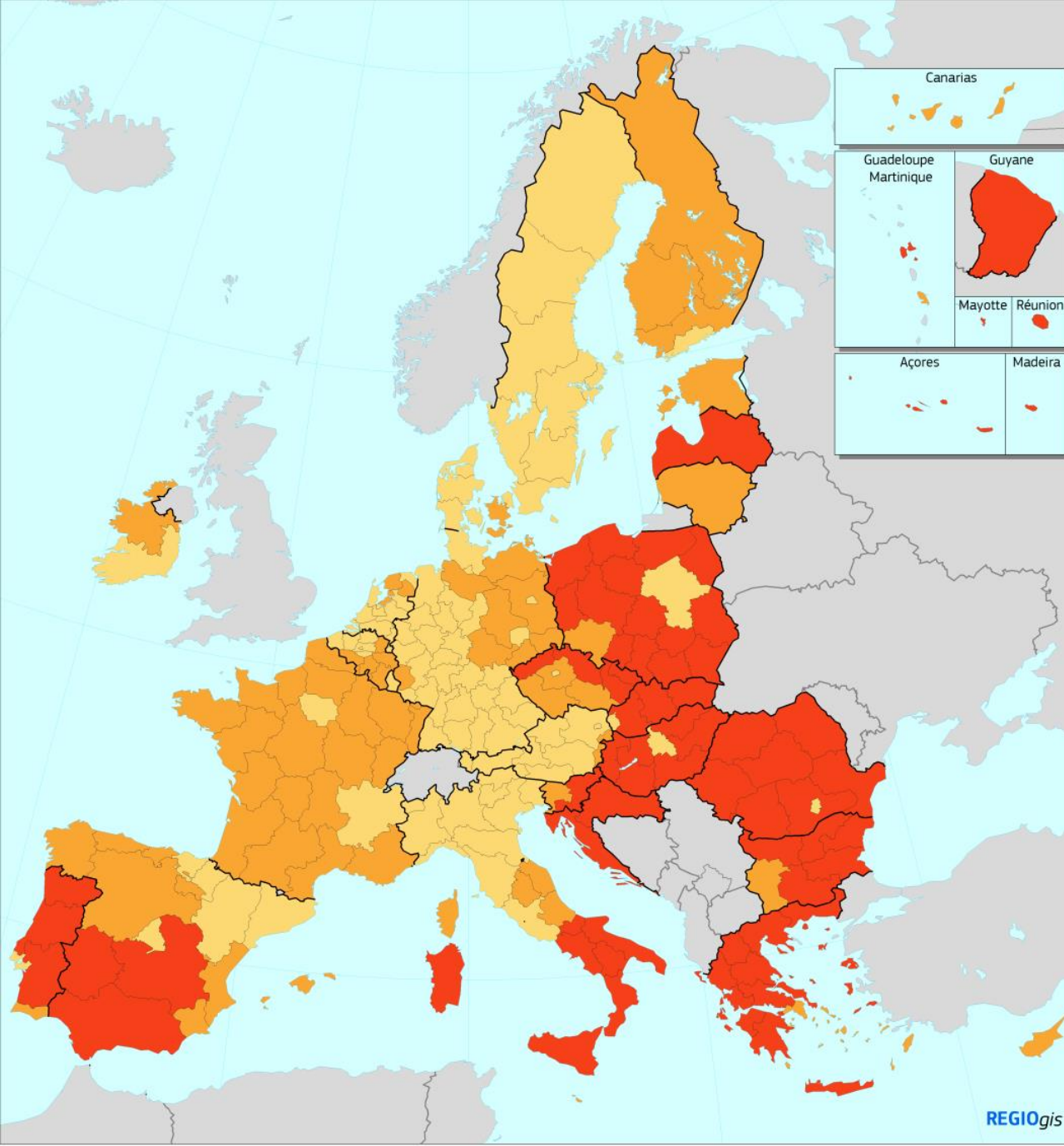
ERDF thematic concentration

- Maintaining spending in the key areas for growth and jobs
- At national level based on GNI per head => flexibility

For countries with:	minimum % PO1 ("smarter Europe")	minimum % PO2 ("greener, low carbon Europe")
GNI below 75%	35%	30%
GNI 75-100%	45%	30%
GNI above 100%	60%	PO1+PO2 min. 85%

- 6% of budget to urban development, delivered through local development partnerships (can overlap with above)

New regional eligibility map for the 2021-2027 period



Index, EU-27 = 100

- < 75% (less developed regions)
- 75% - 100% (transition regions)
- >= 100% (more developed regions)

Cohesion policy: smart grids investment

RATIONALE: Successful integration of increased amounts of renewable energy (mostly variable), improved energy efficiency and demand side management, require smart energy systems

SCOPE OF SUPPORT: Smart energy systems at local level, including smart electricity distribution grids, related demand-side measures and storage solutions – linked to demand and supply planning

EXCLUSION FROM SUPPORT:

1. Investments to achieve the reduction of GHG emissions from activities listed in Annex I to Directive 2003/87/EC (ETS)
2. Investments related to production, processing, distribution, storage of combustion of fossil fuels

PROJECT EXAMPLES





Aligning the transmission network with the Smart Grid standard

- Energy distribution system operator *Energa* is implementing smart grid infrastructure in seven Polish provinces for nearly 3M inhabitants
- Reduce energy consumption, empower consumers, enhance resistance to extreme weather and improves possibilities to integrate renewable energy
- EU investment (Cohesion Fund): EUR 38 725 408



CoRDEES: CoResponsibility in District Energy Efficiency and Sustainability

- A new energy ecosystem at Clichy Batignolles (a 54 hectare eco-district)
- The aim is to reach the energy efficiency objective: 50 kW/h per square meter and 90% less CO2 emissions.
- A three step approach:
 - Establish an energy governance system
 - Deploy a monitoring platform
 - Test new services to achieve energy efficiency goals in real conditions.
- EU investment (ERDF): EUR 4 364 796

Conclusions

- Cohesion policy can support development of smart energy systems
- 2020 is a critical year for programming 2021-2027 period (priorities, type of actions, allocations) – act now!
- Plan the energy transition in a context of the transition to a climate-neutral EU by 2050, incl. attention to the just transition aspect

Thank you!

