



Cohesion Policy support for sustainable energy over 2007-2013

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State of play Structural Funds and sustainable energy

The EU Cohesion Policy

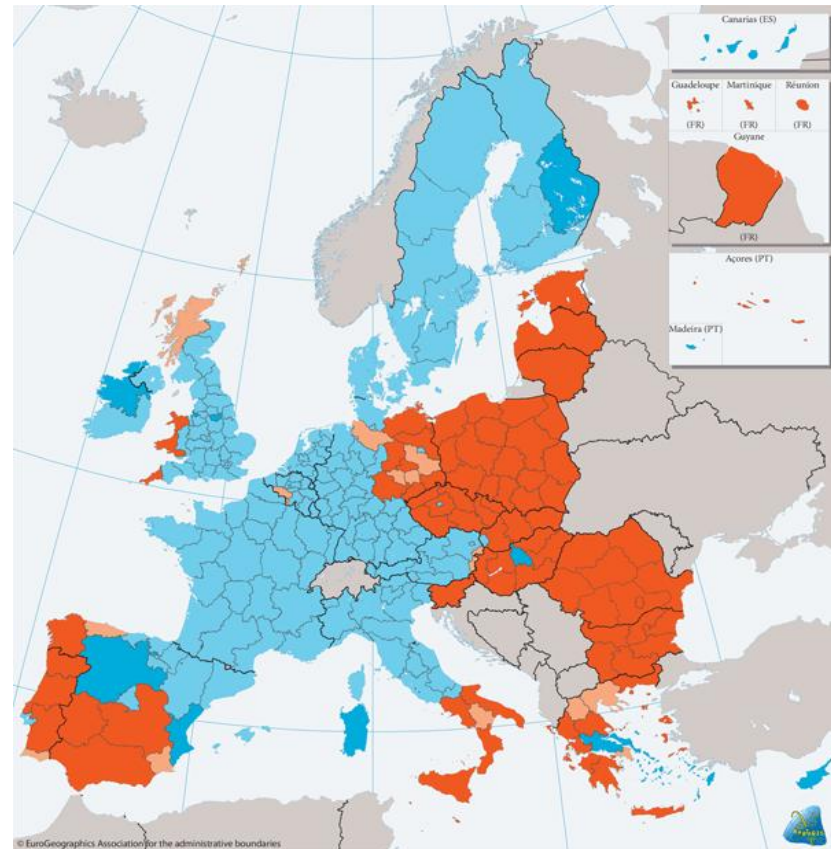
2007-2013: **347 billion euro** invested for less well-off regions or citizens in infrastructure, business, environment and training of workers

- ▶ **Regional Fund**
- ▶ **Social Fund**
- ▶ **Cohesion fund**

Convergence objective:
regions with GDP per capita under 75% of the EU average. 81.5% of the funds are spent on this objective.

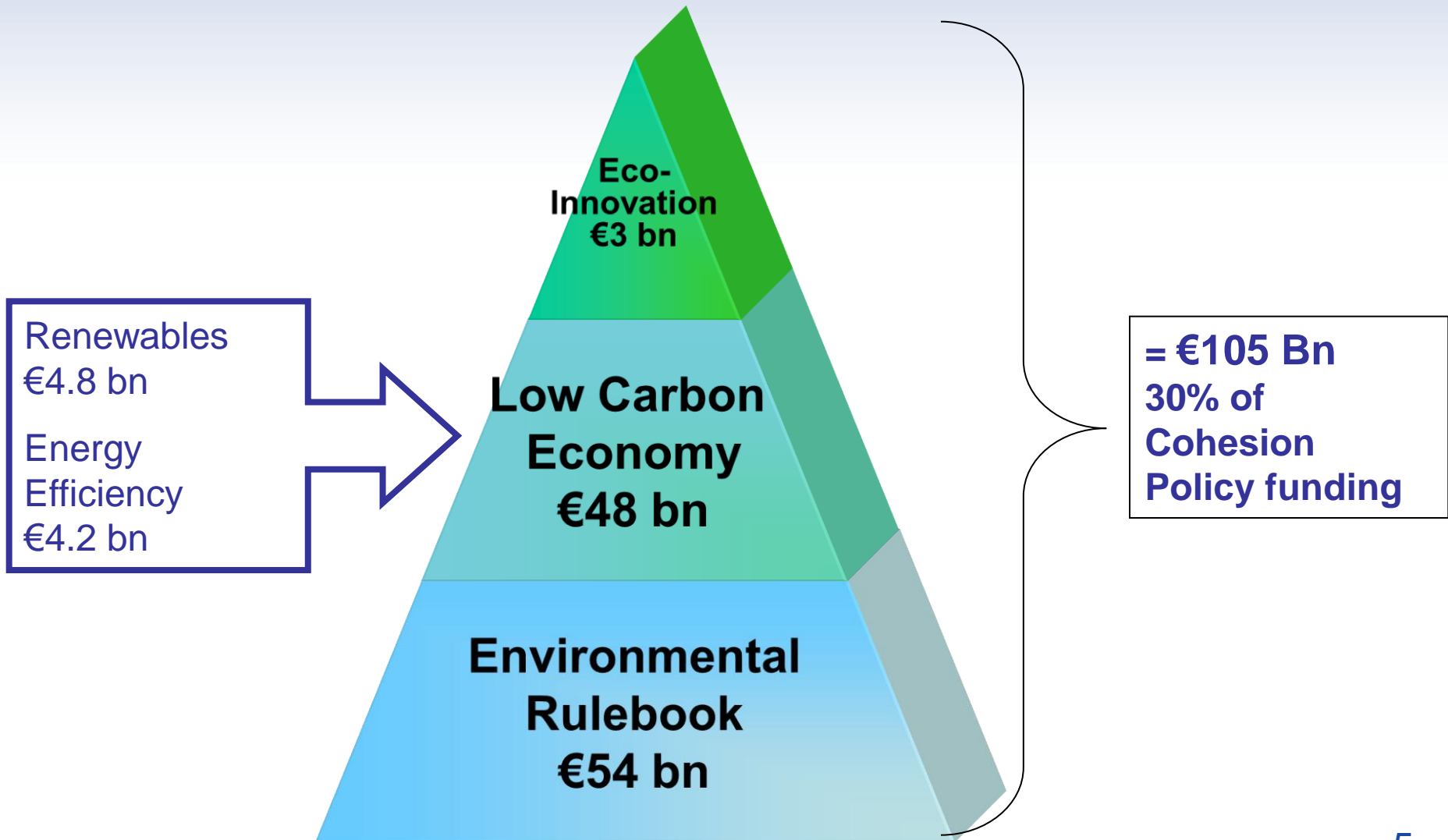


Regional competitiveness
and employment objective.

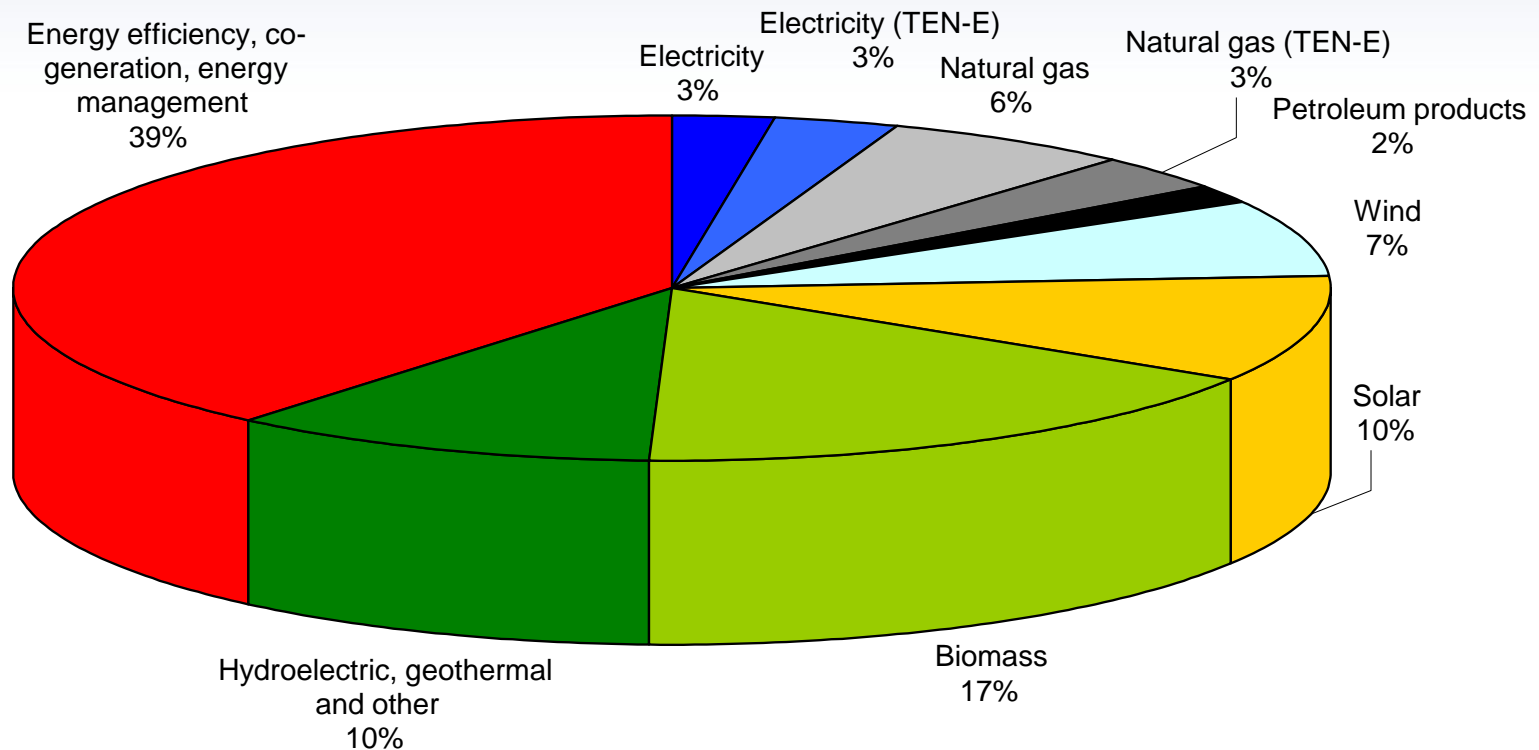




“Green economy” investments 2007-13



Cohesion Policy allocations to Energy

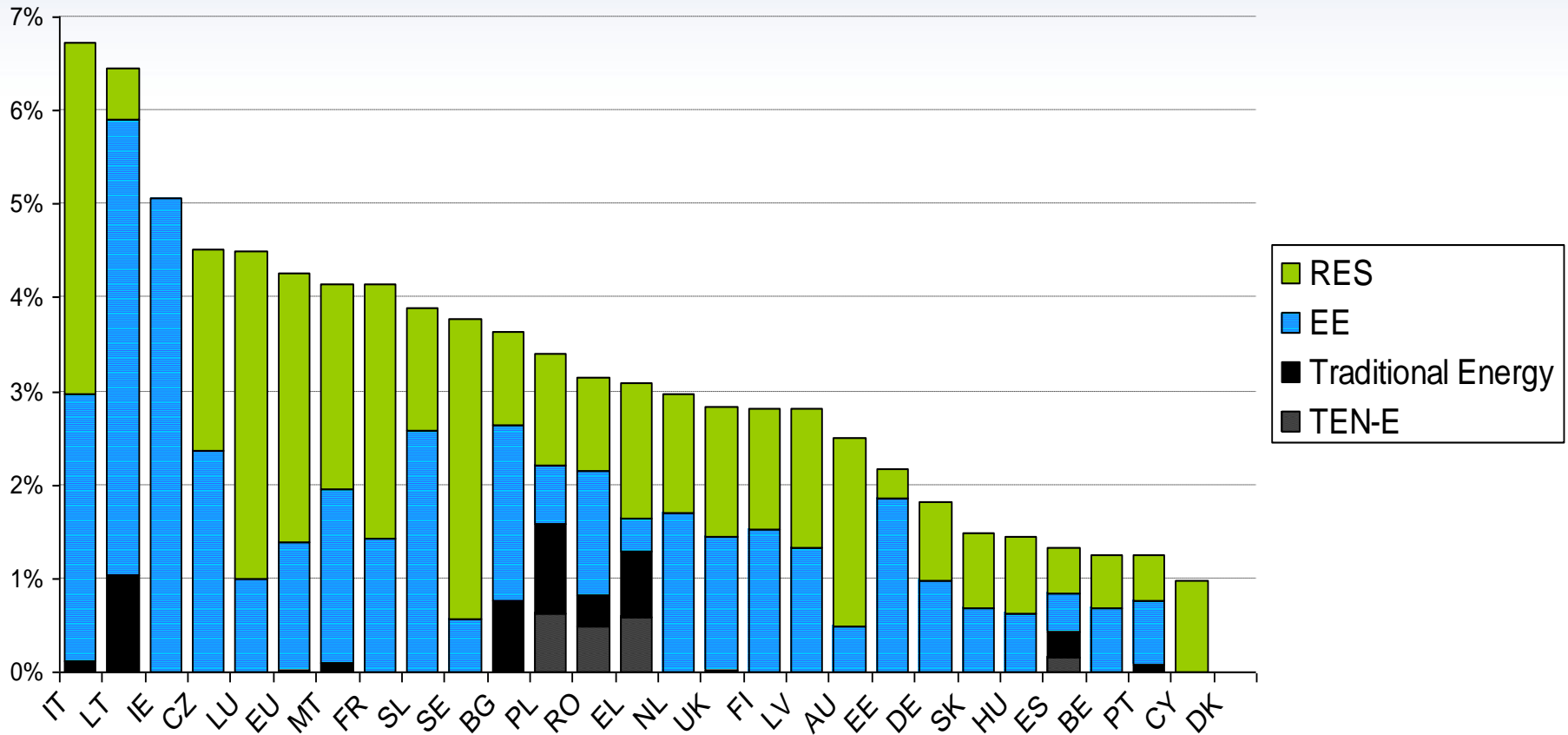


2007-13 Total = € 10.8 billion (3.1 % of total)

€ 9.0 billion sustainable energy. € 1.8 billion traditional energies & interconnectors. 6



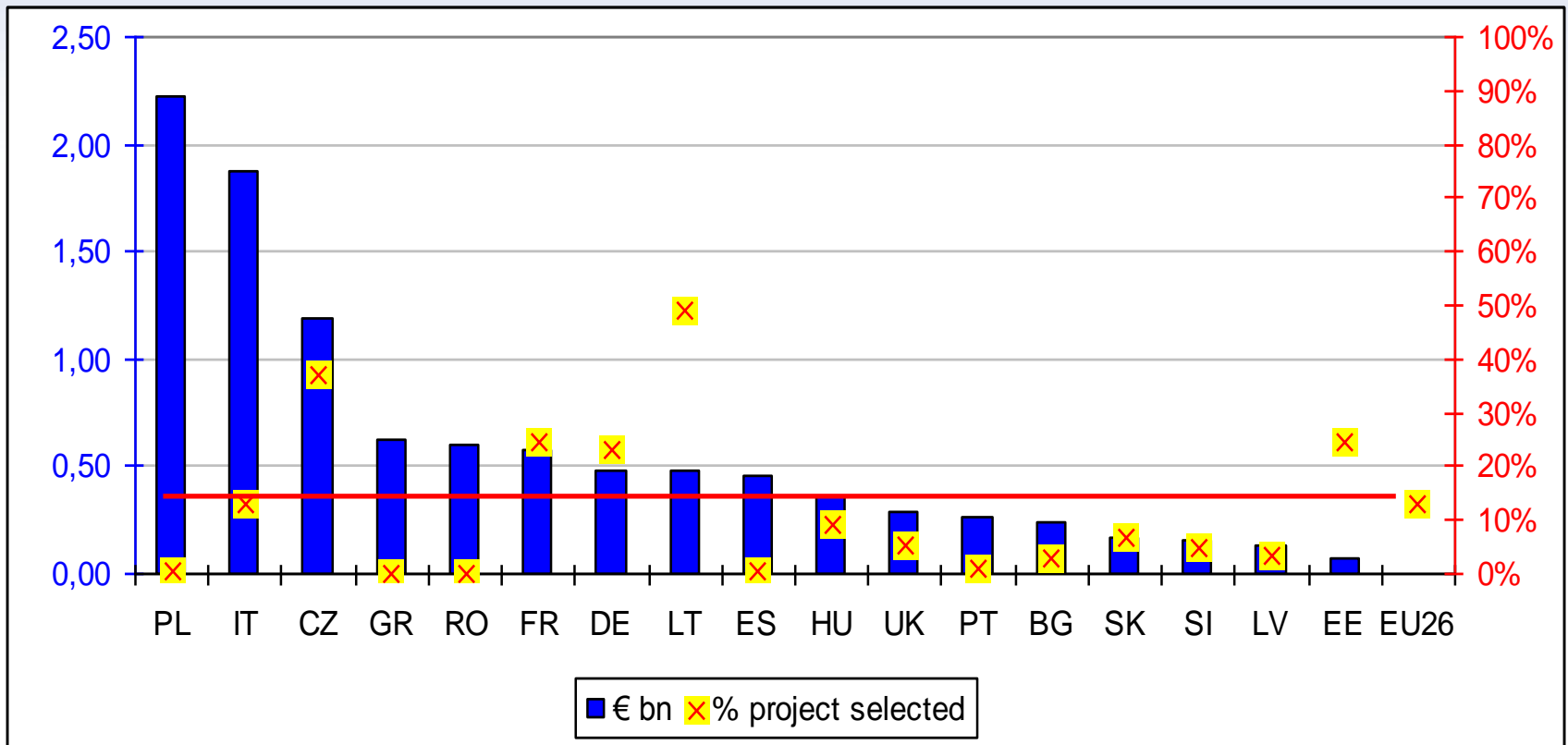
Allocations to energy as % of total allocations per MS 2007-2013



Source: Infoview 2009



Strategic Report 2010 – Progress energy priority



€ 10,8 bn available

Average project selection 13,2% = 1,4 bn € (end September 2009)

Good progress – CZ, LT



Uptake of RES & EE funding (end 2009)

Category Cd	Category	Adopted OPs - €	Community amount - Allocated to selected operations - €	%
34	Electricity (TEN-E)	315,339,264	12,000	0.0%
39	Renewable energy: wind	748,231,227	23,068,741	3.1%
40	Renewable energy: solar	1,053,891,740	126,776,413	12.0%
41	Renewable energy: biomass	1,853,140,509	212,911,887	11.5%
42	Renewable energy: hydroelectric, geothermal and other	1,133,772,731	136,016,259	12.0%
43	Energy efficiency, co-generation, energy management	4,453,550,915	894,407,700	20.1%
Sum:		9,557,926,386	1,393,193,000	14.6%



Energy Efficiency in the “Recovery Package”



- Amendment to ERDF regulation (May 2009)
- Up to 4% of the national ERDF allocation can go to energy efficiency and renewable energy in housing, potentially € 8 billion
- MS define eligible categories of existing housing, to support social cohesion
- Further regulatory amendment to facilitate the use of innovative financial instruments in this area (June 2010)



Why focus on Sustainable Energy in Buildings?

- Building sector: a win-win opportunity for regional development / social cohesion / energy savings
 - creating new and sustainable jobs
 - building local and regional capacities,
 - creating local opportunities for R&D and innovation
 - less energy consumption = better security of supply
 - reducing energy costs and alleviating energy poverty
 - improving the quality of residential / public / commercial buildings
 - reducing GHG emissions and improving the local environment



Communication on Regional Policy & Sustainable Growth

Communication (2010)17 'Regional Policy supporting sustainable growth in Europe 2020'

Enhancing RP delivery of SG in EU regions

Invest more

Low-Carbon Economy

Ecosystem services

Eco-innovation

Invest better

Mainstream SD principles in project cycle

Climate resilience & resource efficiency

Better Governance



Invest more in the low-carbon economy

- Further investments in energy efficiency & renewables (esp. in building sector);
- Use new possibilities for innovative financial instruments (like JESSICA instrument)
- Decarbonisation of transport: invest in clean urban transport





PROGRAMME & PROJECT EXAMPLES



RES programme of Burgenland (AT)

- Heavy investments over more than 10 years through Cohesion Policy in biomass, solar and wind energy as well as into training & technology centres
- Extensive case study at: http://ec.europa.eu/regional_policy/newsroom/pdf/200912_burgenland.pdf

RENEWABLE ENERGY SOURCES, BURGENLAND (1995-99, 2000-06)

Aid programme	Number of projects	Eligible costs	Amounts in €	
			EU	National
Objective 1 1995-99 (ERDF)	4	15 735 299	2 865 890	4 412 469
Objective 1 2000-06 (ERDF)	15	95 900 644	17 741 507	9 607 864
Additionality 2000-06 (ERDF)	20	43 214 981	0	11 861 321
INTERREG IIA	10	674 439	222 164	241 937
INTERREG IIIA	4	922 646	461 323	276 879
LEADER+	10	1 954 736	892 045	250 292
Objective 1 2000-06 (EAGGF)	190	21 994 684	6 339 824	2 113 274
Total	253	180 397 429	28 522 753	28 764 038



PROJECT EXAMPLES



The 'Power cluster'



Source: Power Cluster



Source: fk-wind, University of Applied Sciences Bremerhaven

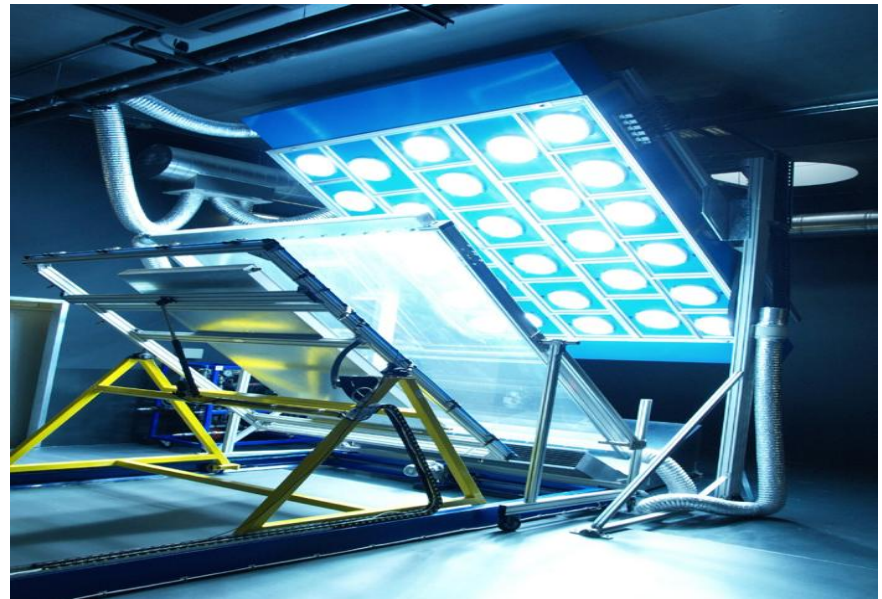
- The Northern European competence network for offshore wind energy
- 18 partners from six countries - 06/2008 to 06/2011
- Total budget € 5 M with € 2.5 M ERDF
- Create a strong stakeholder and B-to-B network leading to knowledge transfer
- Offshore wind skills development



National Renewable Energies Centre (SP)

Centro Nacional de Energías Renovables (CENER)

- CENER building = international reference construction in this area
- Ultra-modern equipment for R&D on renewable energies
- EU contribution: € 2.8 M of € 15.6 M





Green energy for the hospital of Szeged (HU)

- Old steam boilers & external pipe system replaced
- Computer controlled energy systems
- 800 m² of solar panels
- New system = 20% energy saving

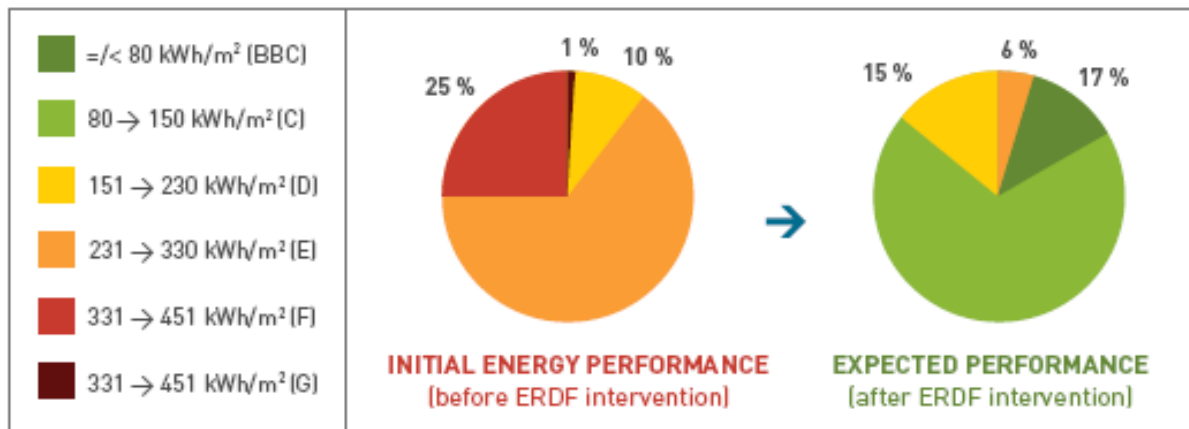




Refurbishment of social housing (FR)

- Target = refurbish most energy consuming social housing units
- Be exemplary and trigger a multiplier effect
- Affect a large number of dwellings
- 68% of available amount (€ 207 out of 305 M) allocated between 06/2009 and 09/2010 (now close to 100%)

EXPECTED RESULTS:



Expected evolution on a sample of 5347 housing units in 8 French Regions. (Source : USH)



Investment scheme (revolving fund) of EE

- Switch from grants to a revolving fund
- KredEx (Credit and Export Guarantee Fund of the State) supports this
- Why revolving fund?
 - Opportunity for re-usage of the funds
 - Funds stay in state
 - Loan is needed for reconstruction anyway
 - Easier to administer, lower administrative costs
 - End-beneficiary is used to take loan
 - Innovative scheme, help from kfW
- Started 06/2009
- March 2010: 70 contracts with multi-apartment buildings, total 5,1 mn € (average 74 400 €, 2035 apartments, saving 33%)

Kui Sinu kodu külmetab, siis...
Sina kaotad raha!

võida küttekuludelt aastas kuni 45%

Eestis on Põhjamaadega sarnane kliima, aga energiat tarbime kuni 2 korda rohkem. See on raiskamine, mille lõpetamiseks saad ka Sinu oma panuse anda – **muuda oma kodu energiasäästlikuks!**

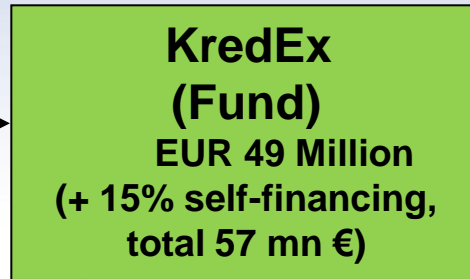
Küsi nõu või saada Sinu maja korrahoiu eest vastutava inimese kontakt- andmed KredExile. Meie võtame temaga ise ühendust – nii on Sinul vähem tüli! Lisaks võid just Sinu võita oma kortermajale ühe viiest tasuta energiaauditiit. Kampania kestab kuni 29. novembrini.

Iga võidetud päev on sääst Sinu rahakotis!
Tel. 681 9954 esk@kredex.ee www.kredex.ee



Revolving fund for energy efficiency

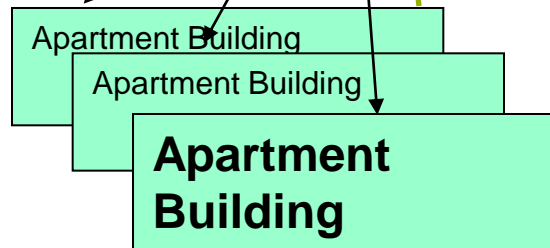
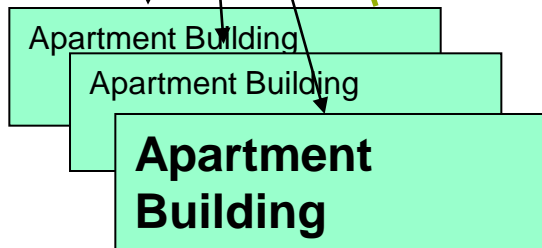
1. ERDF to equity of the fund



2. Additional funding up to 50% of total



3. Favorable funding to the commercial banks, interest 4% to end-beneficiaries



4. Loan to the apartment associations. Commercial Bank takes the risk of the lenders



JESSICA fund in LT

- JESSICA Holding Fund amounts to € 227 million:
 - € 127 million ERDF
 - € 100 million National co-financing
 - Expected later: some funds by commercial bank
- Implementation started June 2010
- Planned to modernize 24.000 houses, by the year 2020
- After the modernization, one house would halve energy consumption and save 125 MWh a year = translates into ~€290 million
- This example:
 - 45 apartment multi family building
 - Insulated external walls and roof
 - Windows replaced
 - Glazing of balconies
 - Modernization of heating substation & heating systems
 - **Energy efficiency improvement of 60 %**





Public buildings in CZ

- Nationwide programme of refurbishment of public buildings to improve energy performance, such as in schools:
- This example:
 - The building's energy intensity has been reduced by exchanging window and door panels and installing the insulation on the school's exterior and on its roof.
 - Main benefits: 9 782 m² of insulation, reduction of the energy consumption by 1 247 GJ/year and CO₂ emission reduction by 69 t/year.
 - EU subsidy: EUR 757 400





Many thanks for your attention





More information

Cohesion Policy Project Examples:

http://ec.europa.eu/regional_policy/projects/stories/index_en.cfm

Policy Learning Database:

http://ec.europa.eu/regional_policy/cooperation/interregional/ecochange/studies_en.cfm?nmenu=5

Regions for Economic Change Conference May 2010 Energy efficiency workshop (2A):

http://ec.europa.eu/regional_policy/conferences/sustainable-growth/programme_en.cfm?nmenu=4

List of Cohesion Policy funds Managing Authorities:

http://ec.europa.eu/regional_policy/manage/authority/authority_en.cfm

Practical Guide to EU funding opportunities for Research and Innovation:

http://cordis.europa.eu/eu-funding-guide/home_en.html