



EUROPEAN RENEWABLE
ENERGY COUNCIL



Aligning Structural Funds to reach the EU 2020 Objectives

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EREC Member Associations





11
percent

The share of EU's final energy consumption

1/4

The amount that renewable energy contributes already to the EU's 20% GHG reduction target

580.000

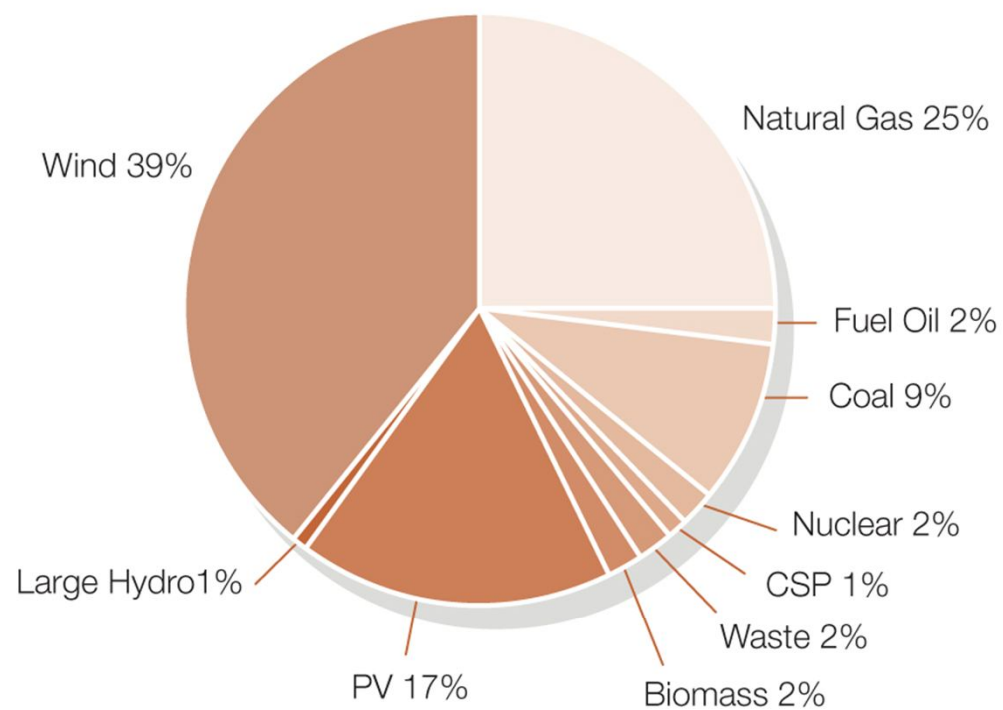
The number of jobs in the EU that already exist in the renewable energy sector

70
billion

The annual turnover of the renewable energy industry



Installed Capacity in 2009



Source: EWEA, EPIA, ESTELA, EU-OEA and Platts Powervision



1. Current programming period



2007- 2013 Regulations & guidelines

- ERDF Regulation:
 - *“...the improvement of energy efficiency and the development of renewable energies.”*
 - *“stimulating energy efficiency and renewable energy production...”*
- Community Strategic Guidelines 2007-2013:
 - *“Supporting the development and use of renewables and alternative technologies (such as wind, solar, biomass), including for heating and cooling...”*

Kyoto School: 1st positive-energy school“ in the EU (FR)

The Kyoto School consumes 52 times less energy than a school built in 1990.

The bioclimatic approach allowed a 75% reduction of energy requirements.



400 tonnes CO₂ avoided p/a



‘Zero fossil energy’ :

- Storage of heat generated during the Summer by household waste incineration plant.
- Production of electricity by vegetable oil cogeneration.
- 900 m² photovoltaic panels



Energy & Climate Change since 2007 high on the political agenda

2009: Adoption of the Climate & Energy Package:|20-20-20 Targets on EE, RES & GHG

2010: Adoption of the recast of the Energy Performance of Buildings Directive: All new buildings to be nearly zero energy buildings by 2021

2011: Energy Efficiency Action Plan- Upcoming Energy Savings Directive



Structural Funds Committed (2007-13)

Energy expenditure **3%**

Transport expenditure **24%**



20% RES by 2020 = annual capital investments X 2

According to a European Commission Communication, meeting the 20% RES target requires doubling annual capital investments from 35bn Euros today to 70bn Euros. (COM(2011) 31 final)

Impact of the crisis?





Fifth Report on economic, social and territorial cohesion

„In the future it will be necessary to ensure that Member States and regions concentrate EU and national resources on a small number of priorities“

“Certain priorities would be obligatory.”

5 Targets of the EU 2020 Strategy

1. Employment : 75% of the 20-64 year-olds to be employed
2. R&D / innovation : 3% of the EU's GDP to be invested in R&D
3. **Climate change:**
greenhouse gas emissions 20%/30% lower
20% of energy from renewables
20% increase in energy efficiency
4. Education : Reducing school drop-out rates below 10%
at least 40% of 30-34-year-olds completing third level education
5. Poverty: at least 20 million fewer people in or at risk of poverty and social exclusion



As emphasised by the European Commission,
*“given the regional employment and small and
medium-sized enterprises benefits that can result
from developing renewable energy, there is a clear
scope for targeting the sector to achieve cohesion
policy goals”.*

European Communication, Funding the Future: Financing
renewable energy development effectively EC Communication,
15.11.2010



Steering at EU level

- Structural Funds to be earmarked to Energy Efficiency and Renewable Energy
- Priority Axis on Energy
- Developments and Partnership Contracts to build on National Energy Efficiency and Renewable Energy Action Plans, on the Sustainable Energy Action Plans developed under the Covenant of Mayors.



Improvements needed on:

- State aid & Structural Funds- Set up of a helpdesk
- Bureaucratic Procedures leading to delays & difficulties for private entities to invest
- Removal of ceiling of 4% of ERDF to be invested in RES & EE in housing. Amounts to be defined in accordance with financing needs identified by the European Commission.
- Lack of expertise on energy of local authorities: selection of projects to be given to energy agencies



Any other issues or solutions
identified from your side?



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The 'Power cluster'

- 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



Source: Power Cluster



Source: fk-wind, University of Applied Sciences Bremerhaven

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





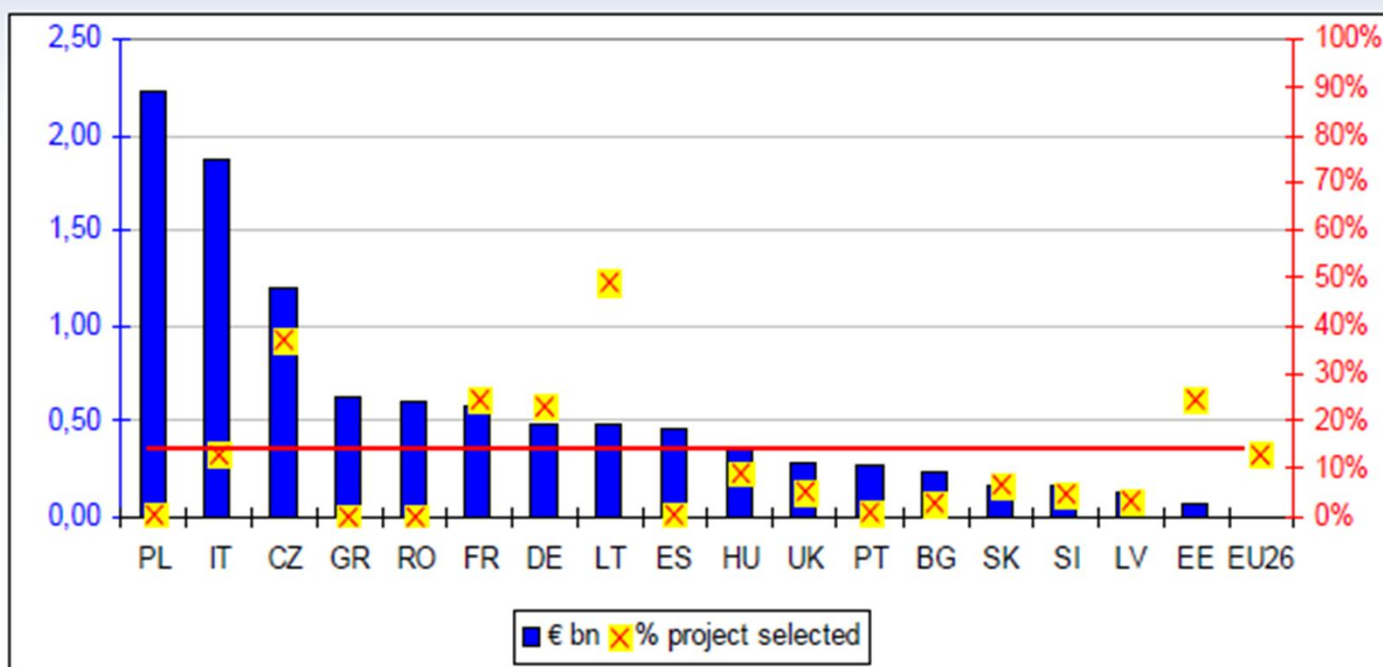
Uptake of RES funding (end 2009)

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

MS	Adopted OPs - €	Allocated to selected operations - €	%
	<i>see selected code below</i>	<i>see selected code below</i>	
AT	30,193,421	9,011,594	29.8%
BE	30,827,642	10,094,000	32.7%
BG	248,909,576	6,496,598	2.6%
CB	329,760,484	57,452,891	17.4%
CY	5,950,000	3,125,853	52.5%
CZ	1,313,865,691	443,015,171	33.7%
DE	478,174,265	110,889,658	23.2%
DK		0	
EE	73,575,090	17,944,268	24.4%
ES	299,303,167	1,985,361	0.7%
FI	44,926,164	3,829,563	8.5%
FR	580,421,248	140,405,002	24.2%
GR	422,755,000	0	0.0%
HU	359,092,004	31,954,286	8.9%
IE	25,000,000	8,475,600	33.9%
IT	1,843,445,508	243,817,754	13.2%
LT	407,271,938	212,100,895	52.1%
LU	2,271,929	5,125,189	225.6%
LV	127,400,000	4,382,145	3.4%
MT	33,990,000	20,936,853	61.6%
NL	53,432,600	14,088,468	26.4%
PL	1,402,327,792	4,615,939	0.3%
PT	251,289,069	3,172,906	1.3%
RO	492,669,991	0	0.0%
SE	61,516,737	6,644,299	10.8%
SI	159,886,553	7,657,431	4.8%
SK	168,838,400	11,106,306	6.6%
UK	310,834,117	14,864,970	4.8%
28	9,557,926,386	1,393,193,000	14.6%



'Strategic Report 2010': progress on energy



€ 10,8 bn available

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

Good progress – CZ, LT