

ES ATBALSTS ATJAUNOJAMAJAI ENERĢIJAI

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GORWIND seminārs
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KONTEKSTS

NO ŠIEM IZRIET ATBALSTS RES PRINCIPĀ:

1. RES ĪPATSVARA PALIELINĀŠANA EL UN
TH PATĒRIŅĀ
2. SEG IZMEŠU SAMAZINĀŠANA
3. ENERGOEFEKTIVITĀTES CELŠANA

ASPEKTI

1. FIZISKIE:

- 1) TERITORIJA UN NOVIETOJUMS
- 2) PATĒRIŅŠ UN PIEDĀVĀJUMS
- 3) PĪŅA PATĒRIŅŠ UN BALANSĒŠANA
- 4) ESOŠĀS FOSILĀS UN RES JAUDAS
- 5) [PĀRĒJĀ] ENERĢĒTIKAS INFRASTRUKTŪRA UN TĀS IESPĒJAS

ASPEKTI

2. **NORMATĪVIE:**

- 1) RES ATBALSTA MEHĀNISMI
- 2) SABIEDRISKAIS UN PRIVĀTAIS SEKTORS (PIEM., NOTEIKTI IEROBEŽOJUMI VALSTS KAPITĀLA SABIEDRĪBĀS)
- 3) REGULĀCIJA KOMERCIĀLAJĀ UN NEKOMERCIĀLAJĀ SEKTORĀ
- 4) KLIMATA SAUDZĒŠANAS SAISTĪBAS
- 5) PIESĀRŅOJUMA SAMAZINĀŠANA PILSĒTĀS
- 6) ATTĪSTĪBAS PLĀNI (NACIONĀLIE, REĢIONĀLIE UN PAŠVALDĪBU SAP)

ASPEKTI

3. AR RĪCĪBU SAISTĪTIE:





- 1) POTENCIĀLO RES KOMERSANTU UN RES-E / RES-TH IZMANTOTĀJU MOTIVĒŠANA / MOTIVĀCIJA
- 2) AR RŪPĒM PAR VIDI SAISTĪTA RĪCĪBA (PIEM., PLAŠĀKA ELEKTROENERĢIJAS IZMANTOŠANA TRANSPORTA SEKTORĀ)
- 3) PRAKTISKI IEGUVUMI DAŽĀDIEM RES-E RAŽOTĀJIEM UN IZMANTOTĀJIEM (FINANSIĀLI UN LOĢISTISKI STIMULI)

ASPEKTI

HORIZONTĀLIE (skar gan fiziskos, gan normatīvos, gan ar rīcību saistītos):

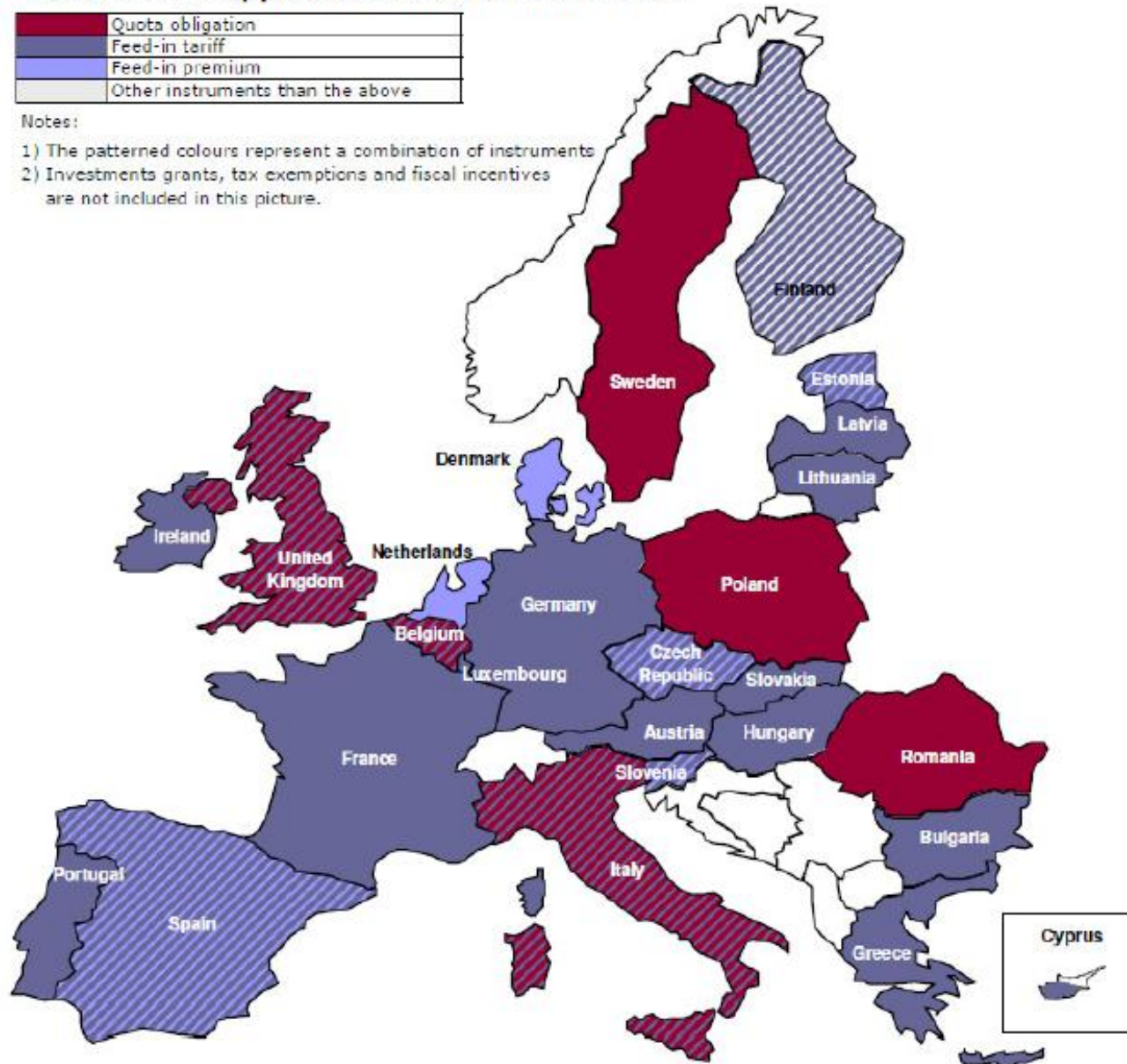
- 1) SOCIĀLĀ IETEKME
- 2) ENERĢĒTISKĀ DROŠĪBA
- 3) ENERĢIJAS KVALITĀTE (PRIMĀRI RES-E, TĪKLA KODEKSI UN PRASĪBAS VĒJA ENERĢIJAS IZMANTOTĀJIEM PIESLĒGUMA VIETĀ (POC))

Main RES-E support instruments in the EU-27

	Quota obligation
	Feed-in tariff
	Feed-in premium
	Other instruments than the above

Notes:

- 1) The patterned colours represent a combination of instruments
- 2) Investments grants, tax exemptions and fiscal incentives are not included in this picture.



Atbalsts AER eirocentos par kWh

	off shore	on shore	Solid Biomass	Liquid Biomass	Biogas	Landfill gas	Geothermal	PV	Small hydro
Austria	7,6		11,1-15,65	6-12,50	11,3-16,95	1,05-5,95	7,3	30-46	3,15-6,25
Belgium (nūm prices, fed state)	9-10,7	5,0	2,0					15,0	5,0
Bulgaria	7,15-9,5		8,4-11					36,7-40	5,0
Cyprus	6,3								
Czech Republic (FIT)	9,5		9,4-16,3		12,7-15,1		17,4	52,0	10,0
Czech Republic (premium)	7,2		4,4-11,3		7,8-10,1		13,0	48,9	5,4
Denmark (bonus)	1,3	3,4	2,0	2,0					
Denmark (max payment)	7,0-8,4				10,0	8,1	8,1	8,1	8,1
Estonia (FIT)	7,3								
Estonia (bonus)	5,4								
Germany	3,5-13	5,5-9,5	7,79-22,67			7,16-11	14,5-27,5	31,94-43,01	3,5-12,67
Greece	7,3-9		7,3-8,46					40,3-50,3	7,3-8,46
Spain (fixed price)	7,3		11,8-15,8				6,9	26,9-44,0	7,8
Finland	subsidies or tax refunds, feed-in tariffs for electricity produced from peat, but formula unavailable								
France	2,8-13		4,9-5,9		7,5-14,5		42339,0	55,0	6,6-10,3
Hungary	4,27-11,69		3,41-10,47					10,5	4,65-7,27
Ireland	5,7-5,9		7,2			7,0			7,2
Italy, mainly certificates, but:	30,0		22-30		18-30		20,0	36-49	22,0
Lithuania	6,4		7,0						5,8
Latvia	according to formulas prescribed by the regulation								
Luxemburg	8,3		12,5-14,5		12,0-15,0			37-42	8,5-10,5
Malta	grants								
Netherlands (bonus)		4,5	6,2		7,9			33,0	
Poland: mainly green certificates, but:	mean electricity price of the previous year								
Portugal	4,6		7,5-8,2					35-55	4,5-8,2
Romania	tradable green certificate trading schemes with Price floor: 2,4 and Price cap: 4,2								
Sweden	tradable green certificates								
Slovenia (FIT)	5,9-6,2		9,1-9,4		12,1		5,8	37,4	5,9-6,1
Slovenia (premium)	2,1-2,3		5,4-5,7		8,3		2,1	33,7	2,2-2,4
Slovak Republic	8,4-9,7		7,3	11,9	8,7-14,3		12,2	27,9	6,6-13,9
United Kingdom	tradable green certificates								

IZAICINĀJUMI

1. NO ATBALSTA MEHĀNISMU VEIDIEM IZRIETOŠA NESKAIDRĪBA PAR IEGUVUMIEM NO FIT UN GC SISTĒMAS
2. VIRZIENS – ATBALSTA SHĒMU UN TIRDZNIECĪBAS NOSACĪJUMU HARMONIZĀCIJA? PIEM., SASKAŅOTI TĪKLA KODEKSI (ENTSO-E)
3. ATBALSTA SHĒMU MIJEDARBĪBA AR ES IEKŠĒJO ELEKTROENERĢIJAS TIRGU

ES finansējums RES

Fund(s) of	Programme	Programme total budget	Budget allocated for RE in 2008	Budget allocated for RE in 2009	Main Financing instruments	Expected expenditure (until 2020)	Countries	RE Technologies	Types of projects funded
EBRD	SEI (Sustainable Energy Initiative)	SEI phase 1 results (2006-2008) : € 362 million signed for SEI 2 (Sustainable energy - RE and EE-credit line) € 227 million signed for SEI 4 (Renewable energy) => C 277 million signed in RE sector	€ 141 million (SEI4)	€ 138 million (SEI4)	- Credit lines : loans through local banks - Long-term debt financing / Equity Investment / Senior Loans	SEI phase 2 (2009-2011) : RE financing > € 500 million	EBRD Countries	Wind, Hydro	RE installations investments/ Credit lines
EBRD	TCFP (Technical Cooperation Funds Programme)	NA	€ 12 million	-	Grant co-financing and TC grants	-	EBRD Countries	RE&EE	Pre-development phase
EC	IEE > ELENA (European Local Energy Assistance)	2007 - 2013 : € 150 million	0	€ 15 million	Grant support	€ 30 million / year or more	EU Member States, Norway, Iceland, Liechtenstein and Croatia.	RE / EE / Urban Transport	Technical Assistance - Project development
EC	IEE (Intelligent Energy Europe)	2007-2013 : € 730 million (total EIE Budget) of which € 78 million in 2008 and € 96 million in 2009	€ 19 million	NA	Grant support	Not yet decided	EU Member States, Norway, Iceland, Liechtenstein and Croatia.	RE-E / RE - H&C / RE - CHP / Biofuels	Capacity building
EC	FP7 (Seventh Framework Programme)	Total budget for the period of 2007-13: € 50 billion, including C 1 billion for Renewable Energy	€ 150 million	€ 150 million	Grant support	€ 150 million / year until 2013.	EU Members States	RE & EE	R&D and Demonstration
EC	EU Recovery Plan	Total budget for 2009-2010 : € 5 bn, including Offshore wind energy (C565 million)	0	€ 565 million	Grant support	€ 565 million in 2009-2010	EU Members States	RE	RE installations investments
EC	EIP > GIF (High Growth and Innovative SME Facility)	2007 - 2013 : € 550 million. The part of this budget which is allocated to RE is not available.	€ 79 million	€ 79 million	Venture Capital	€ 79 million per year on average until 2013	EU Member States, Norway, Iceland, Liechtenstein and candidate countries for enlargement.	NA	Early and expansion stage companies
EC	EIP > SMEG (SME Guarantee Facility)	2007 - 2013 : € 506 million. The part of this budget which is allocated to RE is not available.	€ 72 million	€ 72 million	Guarantees	€ 72 million per year on average until 2013	EU Member States, Norway, Iceland, Liechtenstein and candidate countries for enlargement.	NA	Early and expansion stage companies
EC	ERDF (European Regional Development Fund) and CF (Cohesion Fund)	2007-2013 : € 4,760 million.	€ 680 million	€ 680 million	NA	€ 680 million per year on average until 2013	EU Member States.	Biomass, hydroelectric, geothermal, solar and wind	RE installations investments
EIB	NA	NA	NA	€ 2,800 million	Loan and framework loans	NA	Mainly EU Member States	Mainly wind, hydroelectric and solar PV	RE installations investments