



EUROPEAN  
COMMISSION

# EU ENERGY PROJECTS FUNDED UNDER THE EUROPEAN ECONOMIC RECOVERY PROGRAMME

## EU energy projects funded under the European Economic Recovery Programme

In November 2008, the Commission put forward a comprehensive **European Economic Recovery Programme** (EERP) to exit from the crisis and coordinate recovery in Europe. Part of the EERP was to mobilise EU sources of funding to accelerate the implementation of major investment projects, notably in the energy sector.

**59 energy projects will be funded overall** (see graphs and lists in annex). The Commission has already adopted 44 grant decisions for the gas and electricity infrastructure projects and has signed grant agreements on carbon capture and storage (6 projects) and offshore wind energy (9 projects) with the beneficiaries. **This represents an amount of € 3,8 billion.** This is an excellent result if one considers the size of the programme and the unusually tight deadline.

**Construction works have started, investment costs are being incurred and the European programme is playing its role of stimulus to economic recovery.** Thanks to the programme, energy projects that otherwise would have been delayed or even cancelled due to the economic crisis can now be implemented. **Some projects have already been completed and are now operational.** For example:

- Romania–Hungary gas interconnector
- Austria–Hungary electricity interconnection
- Austria–Slovakia gas reverse flow project
- Hungary–Croatia gas interconnection about to be finished and soon to be operational.

**Progress in implementation is reflected in the level of payments**, which are now gaining momentum. At the end of 2010, € 697 million have been paid to beneficiaries:

- € 354 million to gas and electricity infrastructure projects
- € 146 million to offshore wind energy projects
- € 197 million to carbon capture and storage projects.

A small amount of € 146 million (3.7% of the energy pillar) could not be committed by the December 2010 deadline. An amended EU Regulation provides for the reallocation of these funds to a **new financial facility supporting energy efficiency and renewable energy initiatives**.

This will take the form of an investment fund, where the initial shareholders will be the EU and the EIB. Other financial institutions could join the fund later. The beneficiaries of the facility will be municipalities and other local authorities as well as public or private entities acting on behalf of those public authorities. The facility will provide loans, guarantees and equity as well as technical assistance.

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## ANNEXES

### **Geographical presentation of the selected proposals**

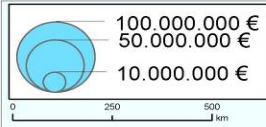
Graph 1	Gas interconnectors
Graph 2	Flow gas projects
Graph 3	Electricity infrastructure projects
Graph 4	Offshore wind energy projects
Graph 5	Carbon capture and storage projects

### **Detailed lists of the selected projects**

Table 1	Grants awarded to gas interconnectors projects
Table 2	Grants awarded to reverse flow gas projects
Table 3	Grants awarded to electricity infrastructure projects
Table 4	Grants awarded to small islands projects
Table 5	Grants awarded to offshore wind energy projects
Table 6	Grants awarded to carbon capture and storage projects



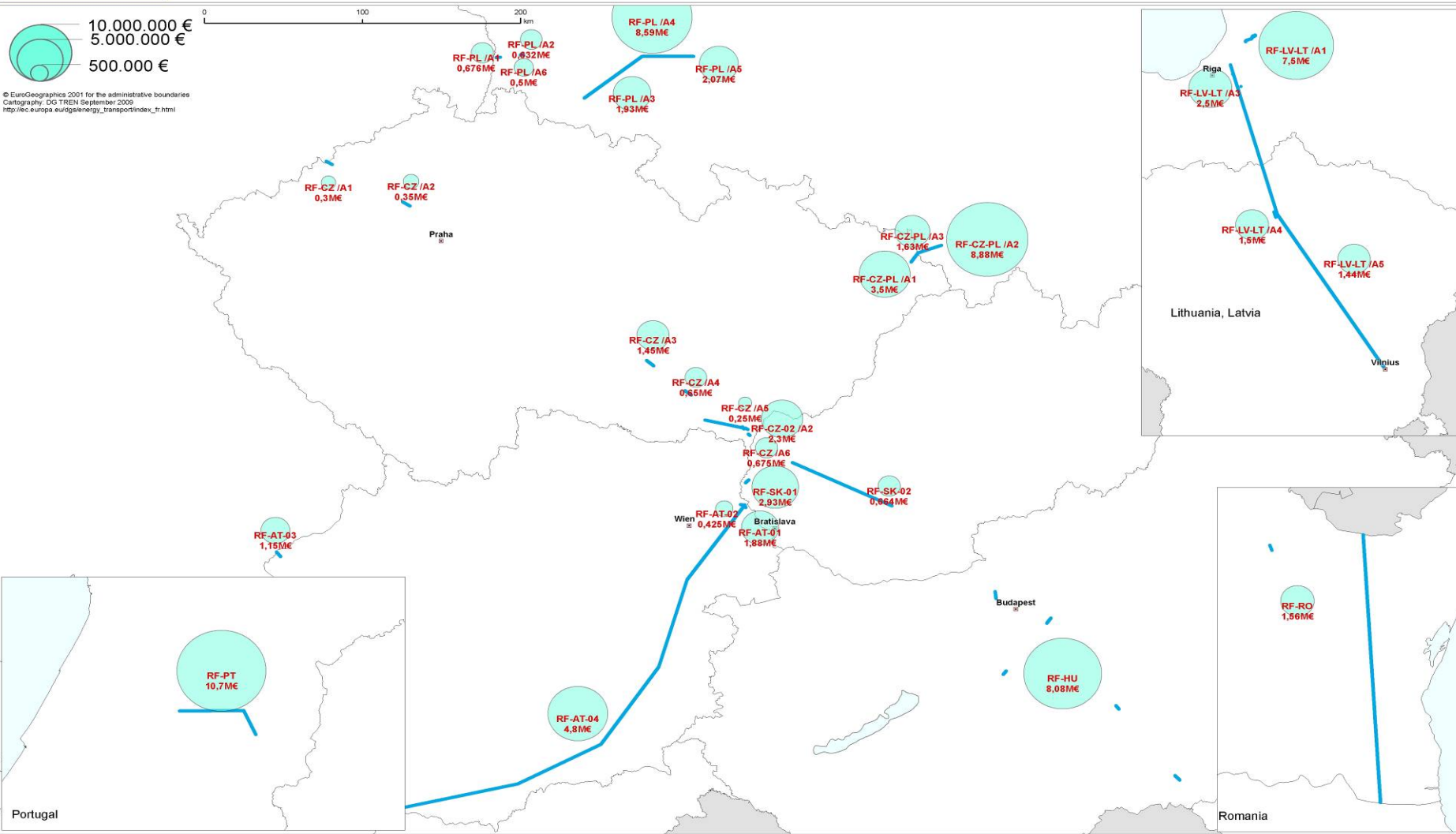
## Selected proposals - Gas interconnectors





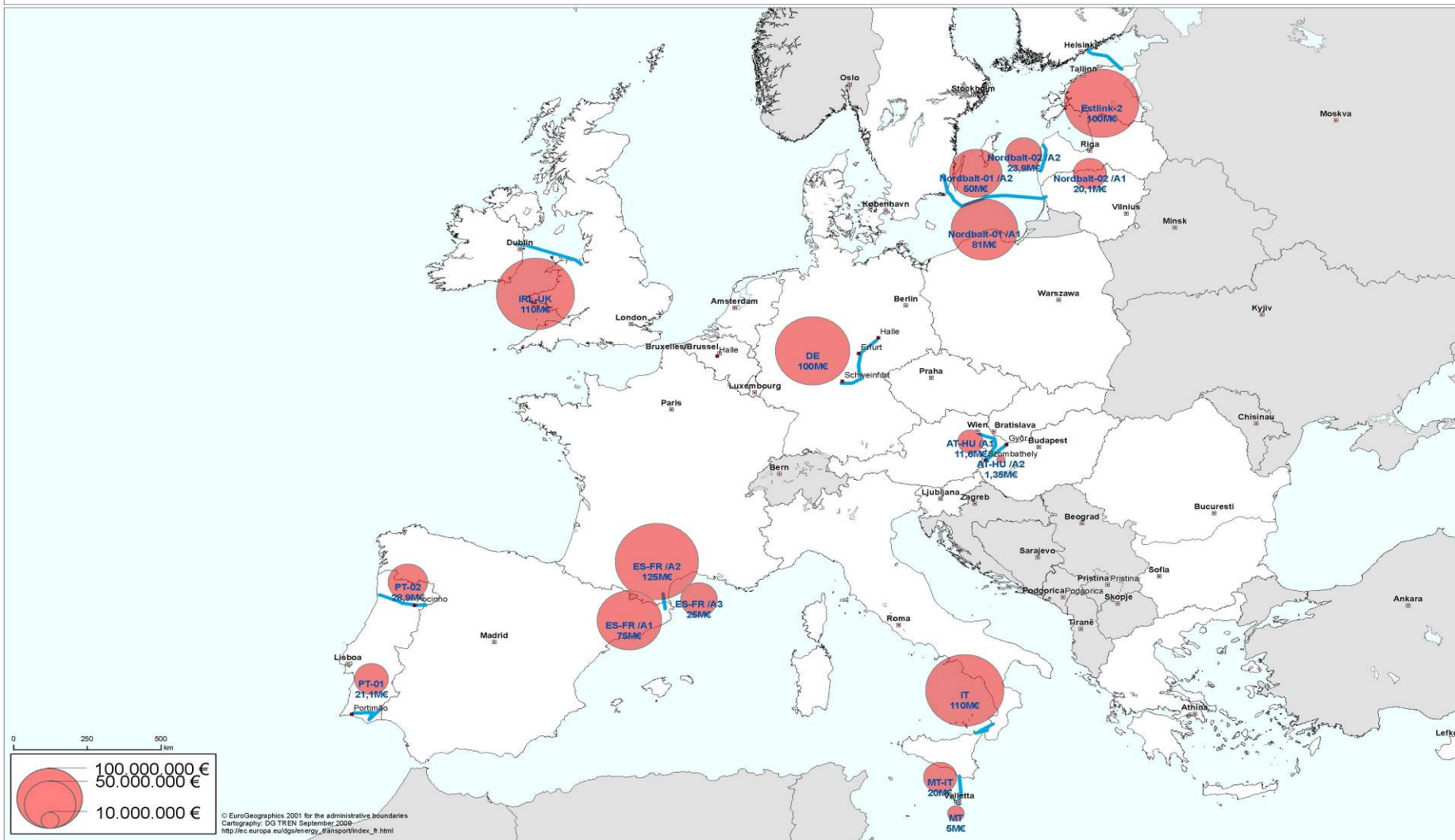
# Selected proposals - Gas reverse flow

European Energy Programme for Recovery



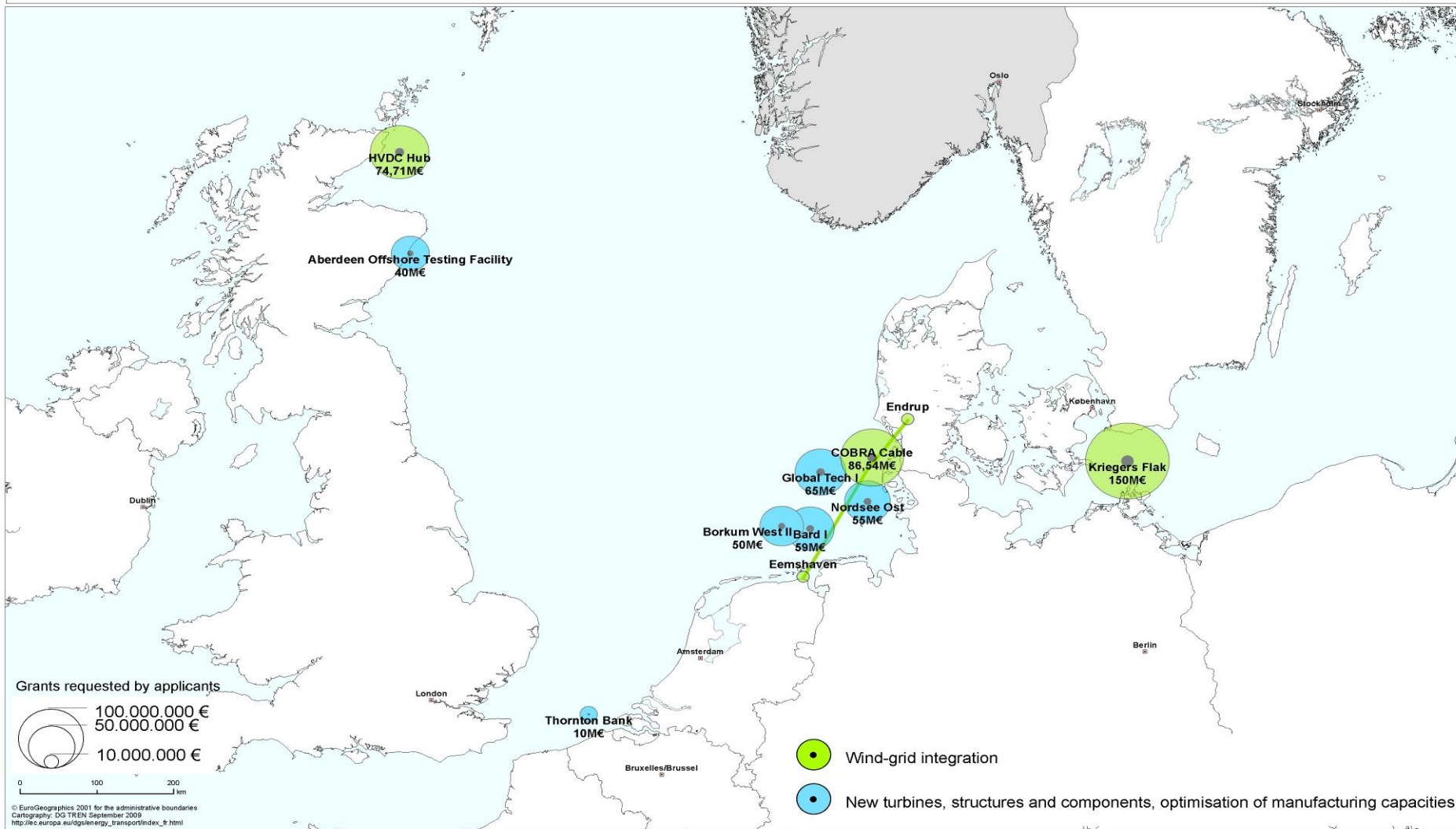


# Selected proposals - Electricity interconnectors



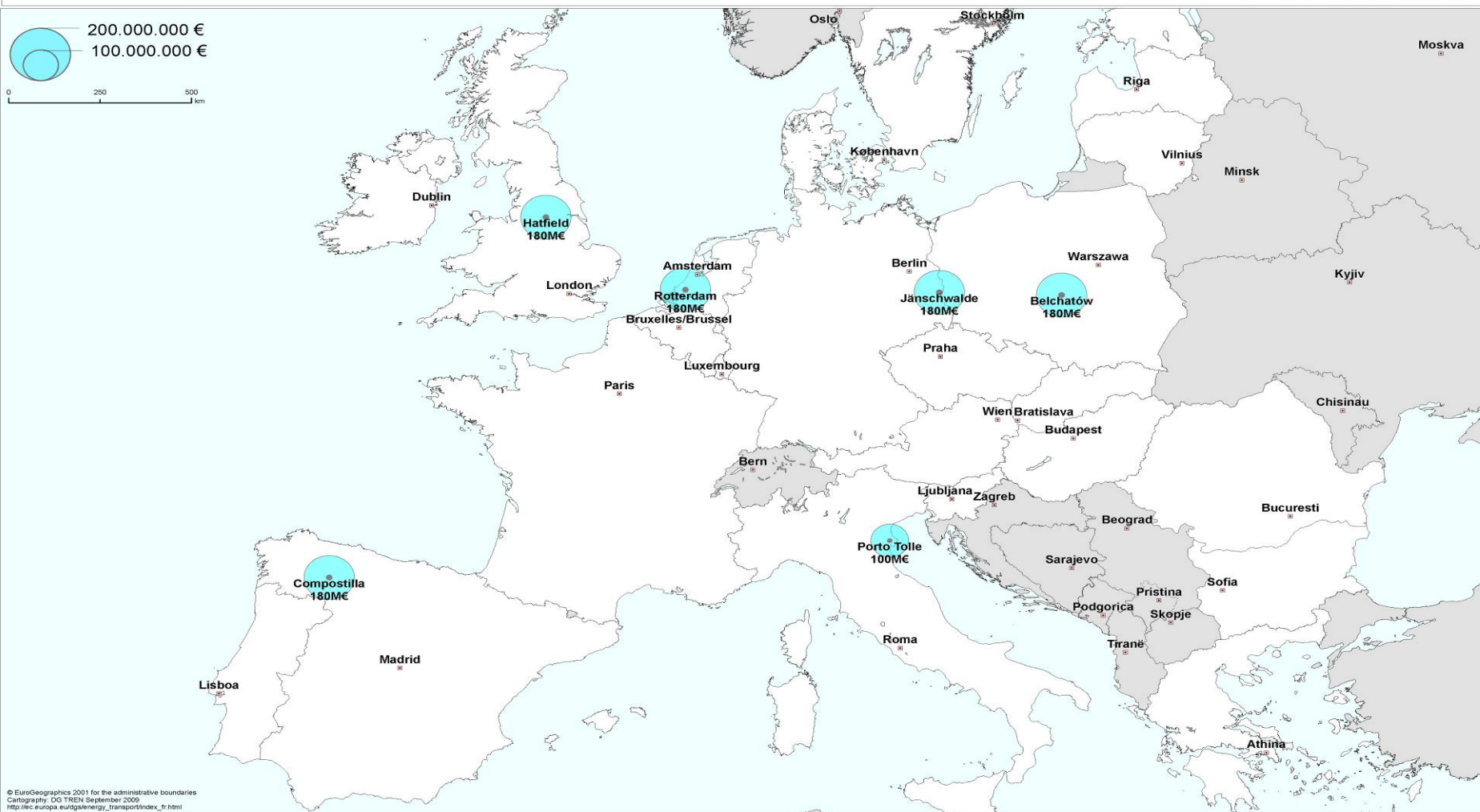


## Selected proposals – Offshore Wind Energy





## Selected proposals – Carbon Capture and Storage





**Table 1: GAS INTERCONNECTORS**

<b>Project as mentioned in the EEP Regulation</b>	<b>Applicant Name</b>	<b>Country(ies)</b>	<b>Maximum Union contribution in €</b>
Nabucco	Nabucco Gas Pipeline International GmbH	AT, HU, BG, DE, RO	200 000 000
ITGI – Poseidon	IGI Poseidon S.A	GR, IT	100 000 000
Skanded/Baltic pipe	Energinet.dk	DK	100 000 000
	Gaz System S.A	PL	50 000 000
Liquified Natural Gas Terminal at Polish Coast at port of Świnoujście	Polskie LNG sp. z.o.o & Zarząd Morskich Portów Szczecin i Swinoujście S.A	PL	80 000 000
Slovakia-Hungary Interconnector (Vel'ký Krtíš – Vecsés)	FGSZ Natural gas Transmission Closed company Limited Eustream a.s	HU SK	30 000 000
Gas transmission system in Slovenia between the Austrian border to Ljubljana (excluding the section Rogatec-Kidričevo)	Geoplin plinovodi d.o.o	SI	40 000 000
Interconnection Bulgaria-Greece (Stara Zagora –Dimitrovgrad-Komotini)	1) Public Gas Corporation of Greece (DEPA) 2) EDISON S.p.A 3) Bulgarian Energy Holding EAD	GR, IT, BG	45 000 000

Romania-Hungary gas interconnector	FGSZ Natural gas Transmission Closed company Limited SNTGN TRANSGAZ SA	RO HU	16 606 788
Expansion of Gas Storage Capacity in the Czech hub	RWE Gas Storage	CZ	35 000 000
Hungary-Croatia interconnection	FGSZ Natural gas Transmission Closed company Limited	HU	20 000 000
Bulgaria-Romania interconnection	1) S.N.T.G.N TRANSGAZ SA 2) BULGARTRANSGAZ EAD	RO, BG	8 929 000
Reinforcement of FR gas network on the Africa-Spain-France axis	1) GRTgas SA 2) TIGF SA	FR	175 765 000
GALSI (Gazoduc Algérie-Italie)	Galsi Spa	IT	120 000 000
Gas interconnection Western Axis Larrau Branch	Enagas SA	ES	45 000 000
Germany-Belgium-United Kingdom pipeline	FLUXYS SA	BE	35 000 000
France-Belgium interconnection	FLUXYS SA & GRTgas SA	BE & FR	200 000 000
<b>TOTAL GAS</b>			<b>1 301 300 788</b>

**Table 2: REVERSE FLOW GAS PROJECTS**

Infrastructure and equipment to permit <b>REVERSE FLOW</b> in the event of short term supply disruption	REN-GASODOTU S.A	PT	10 700 750
	SNTGN TRANSGAZ SA	RO	1 560 000
	Baumgarten-Oberkappel Gasleitungsges m.b.H (BOG)	AT	1 883 500
	OMV Gas GmbH	AT	425 000
	OMV Gas GmbH	AT	1 150 000
	Trans Austria Gasleitung GmbH	AT	4 800 000
	NAFTA a.s	SK	2 936 121
	Eustream a.s	SK	664 500
	RWE Transgas Net, s.r.o	CZ	3 675 000
	FGSZ Natural gas Transmission	HU	8 078 500
	Latvijas Gaze & AB Lietuvos Dujos	LV	12 940 000
	Gas System S.A	PL	14 405 248
	RWE Transgas Net, s.r.o	CZ	2 300 000
	RWE Transgas Net & Gaz-System S.A	CZ & PL	14 000 000
<b>Total Reverse Flow</b>			<b>79 518 619</b>

**Table 3: ELECTRICITY INTERCONNECTORS**

<b>Project as mentioned In the EEP Regulation</b>	<b>Applicant Name</b>	<b>Country(ies)</b>	<b>Maximum Union contribution in €</b>
Estlink-2	1) Fingrid Oyj 2) Elering OÜ	FIN, ET	100 000 000
Interconnection Sweden-Baltic States, and strengthening of the grid in Baltic States	1) Affärsverket svenska Kraftnät 2) AB Lietuvos Energija	SE, LT	131 000 000
	Latvenergo AS	LV	44 000 000
Halle/Saale – Schweinfurt	1) Vattenfall Europe Transmission GmbH 2) Transpower stromübertragungs GmbH	DE	100 000 000
Wien-Győr	1) VERBUND-Austria Power Grid 2) MAVIR ZRt	AT, HU	12 989 800
Portugal-Spain interconnection reinforcement	REN - Rede Electrica Nacional S.A	PT	21 126 213
	REN - Rede Electrica Nacional S.A	PT	28 873 787
Interconnection France-Spain (Baixas - Sta Llogaia)	1) Red Electrica de España 2) Réseau de Transport d'Electricité	ES, FR	225 000 000
New submarine cable between Sicily – Continental Italy (Sorgente – Rizziconi)	Terna S.p.A	IT	110 000 000
Ireland/Wales intercom-necter (Meath- Deeside)	Eirgrid	IRL	110 000 000
Electricity interconnection Malta-Italy	1) Enemalta Corporation 2) Terna Spa - Rete Elettrica Nazionale	MT, IT	20 000 000
<b>TOTAL Electricity</b>			<b>902 989 800</b>

**Table 4: SMALL ISLANDS PROJECTS**

<b>Project as mentioned In the EEP Regulation</b>	<b>Applicant Name</b>	<b>Country(ies)</b>	<b>Maximum Union contribution in €</b>
Small isolated island initiatives	Ministry of Commerce, Industry and Tourism	CY <sup>1</sup>	10 000 000
	Enemalta Corporation	MT <sup>2</sup>	5 000 000
<b>TOTAL</b>			<b>15 000 000</b>

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<sup>1</sup> LNG project

<sup>2</sup> Electricity project

**Table 5: OFFSHORE WIND ENERGY**

<b>Project name</b>	<b>Applicant name</b>	<b>Maximum Union contribution in €</b>
Baltic - Kriegers Flak I, II, III: Combined Grid Solution	50Herz (DE), Energinet.dk (DK)	150 000 000
COBRA CABLE	TenneT TSO B.V. (NL), Energinet.dk (DK)	86 540 000
Offshore HVDC hub	Scottish Hydro Electric Transmission Ltd. (UK)	74 100 000
BARD Offshore 1 ("BARD 1")	Ocean Breeze Energy GmbH & Co KG (DE)	53 100 000
Gravity foundations for deep water wind farms using efficient serial manufacturing and fast installation processes (Global Tech I - Gravity Foundations)	Wetfeet Offshore Wind Energy GmbH (DE), Strabag Offshore Wind GmbH (DE)	58 550 000
Nordsee Ost offshore wind farm	Essent Wind Nordsee Ost Planungs - und Betriebsgesellschaft GmbH (DE)	50 000 000
Borkum West II	Trianel Windkraftwerk Borkum GmbH & Co. KG (DE)	42 710 000
Aberdeen Offshore Wind Farm - Wind Deployment Centre	Aberdeen Offshore Wind Farm Limited (UK)	40 000 000
Optimised logistics and innovative substructures for the far-shore deep-water Thornton Bank wind farm	C-Power (BE)	10 000 000
<b>Total</b>		<b>565 000 000</b>

**Table 6: CARBON CAPTURE AND STORAGE**

<b>Country</b>	<b>Project Name</b>	<b>Applicant Name/Country</b>	<b>Maximum Union contribution in €</b>
DE	Jaenschwale	Vattenfall Europe Generation	180 000 000
UK	Hatfield	Powerfuel Power Limited	180 000 000
IT	PorteTolle	Enel Ingegneria e prod.	100 000 000
NL	Rotterdam	Maasvlakte CCS Pjt CV	180 000 000
PL	Belchatow	PGE Elektrownia Belchatow	180 000 000
ES	Compostilla	ENDESA Generacion sa	180 000 000
<b>Total</b>			<b>1 000 000 000</b>

