

KIC InnoEnergy i promoció del sector energètic a la Mediterrània.



Jornada

Reptes i oportunitats
per una nova cultura
energètica a les ciutats
i regions de la Mediterrània



KIC InnoEnergy i promoció del sector energètic a la Mediterrània.

7 d'octubre
de 2014

8:30 — 17 h

psalas@enerbyte.com

Centre de Formació
i Serveis (antic CTUG)

C/ Mare de Déu de Montserrat, 36.
08401 Granollers



The Leading Engine for Innovation and Entrepreneurship in Sustainable Energy

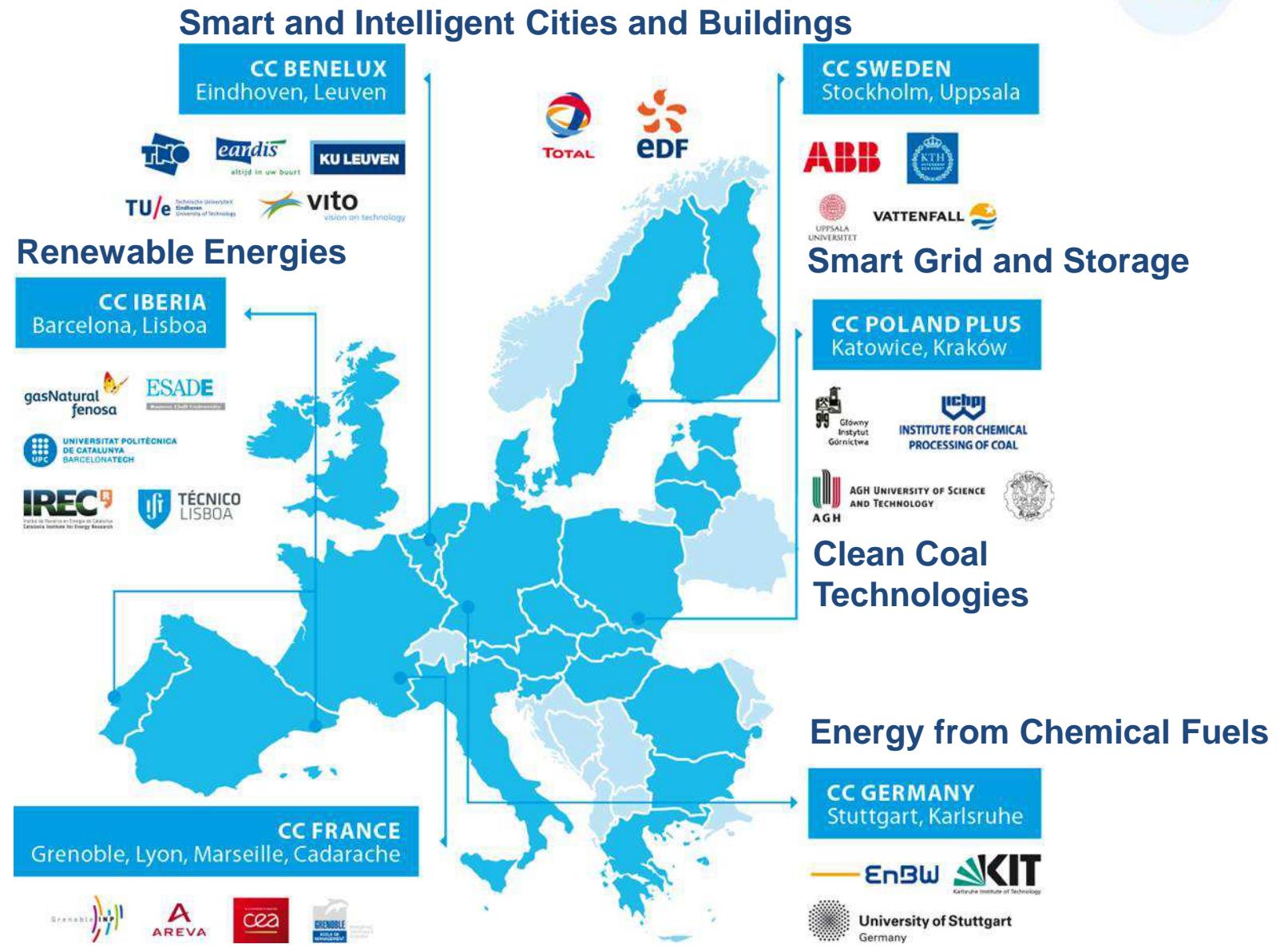
Corporate Presentation

Granollers. October 7th, 2014

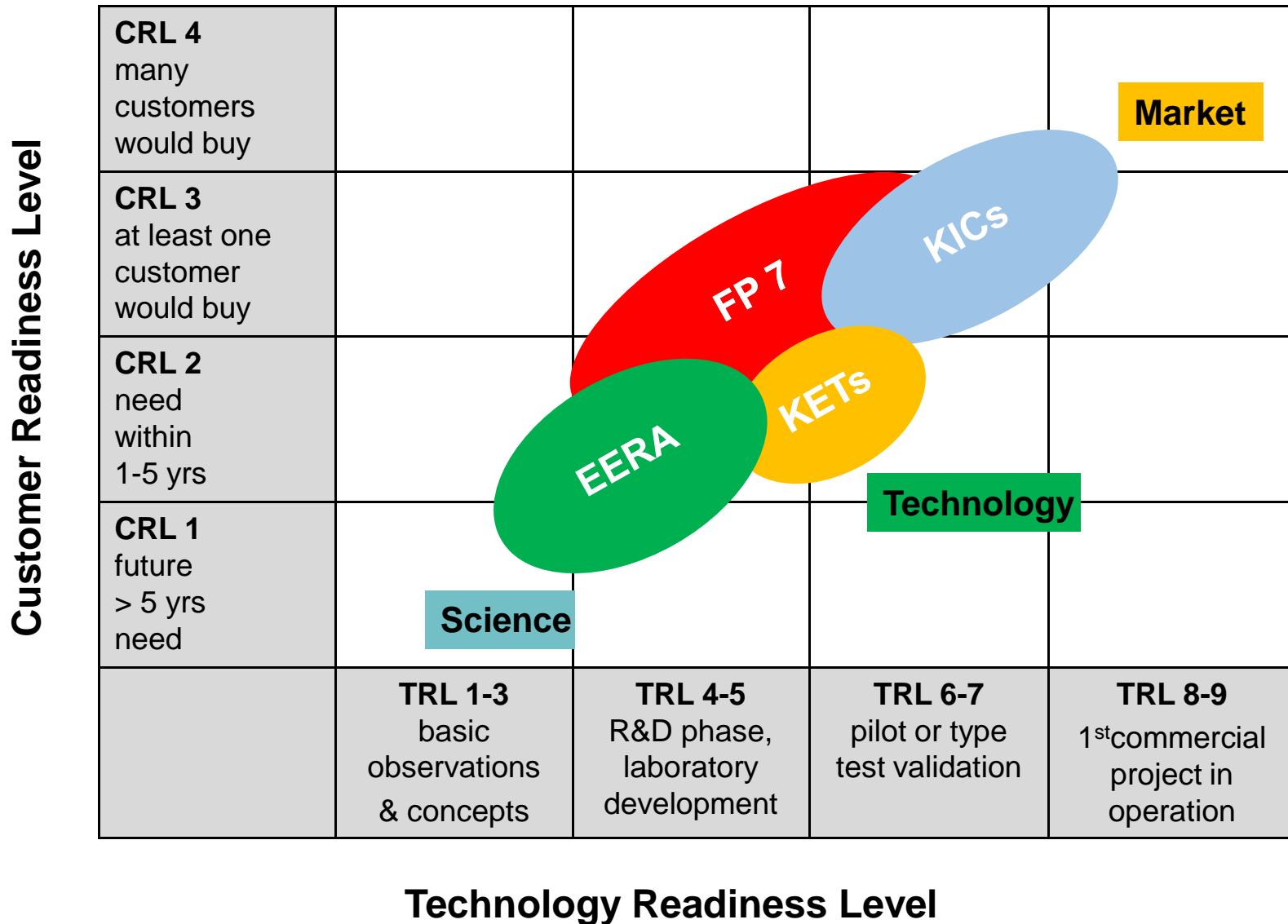


KIC InnoEnergy | Boosting Innovation for Sustainable Energy

What is KIC InnoEnergy / An European company



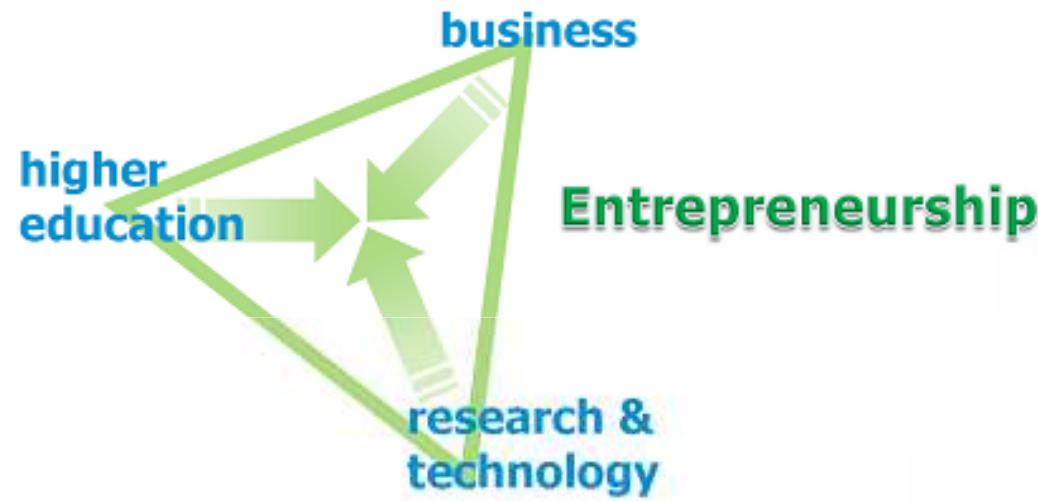
The Challenge / EIT and the KICs



What is KIC InnoEnergy / Output-oriented organization



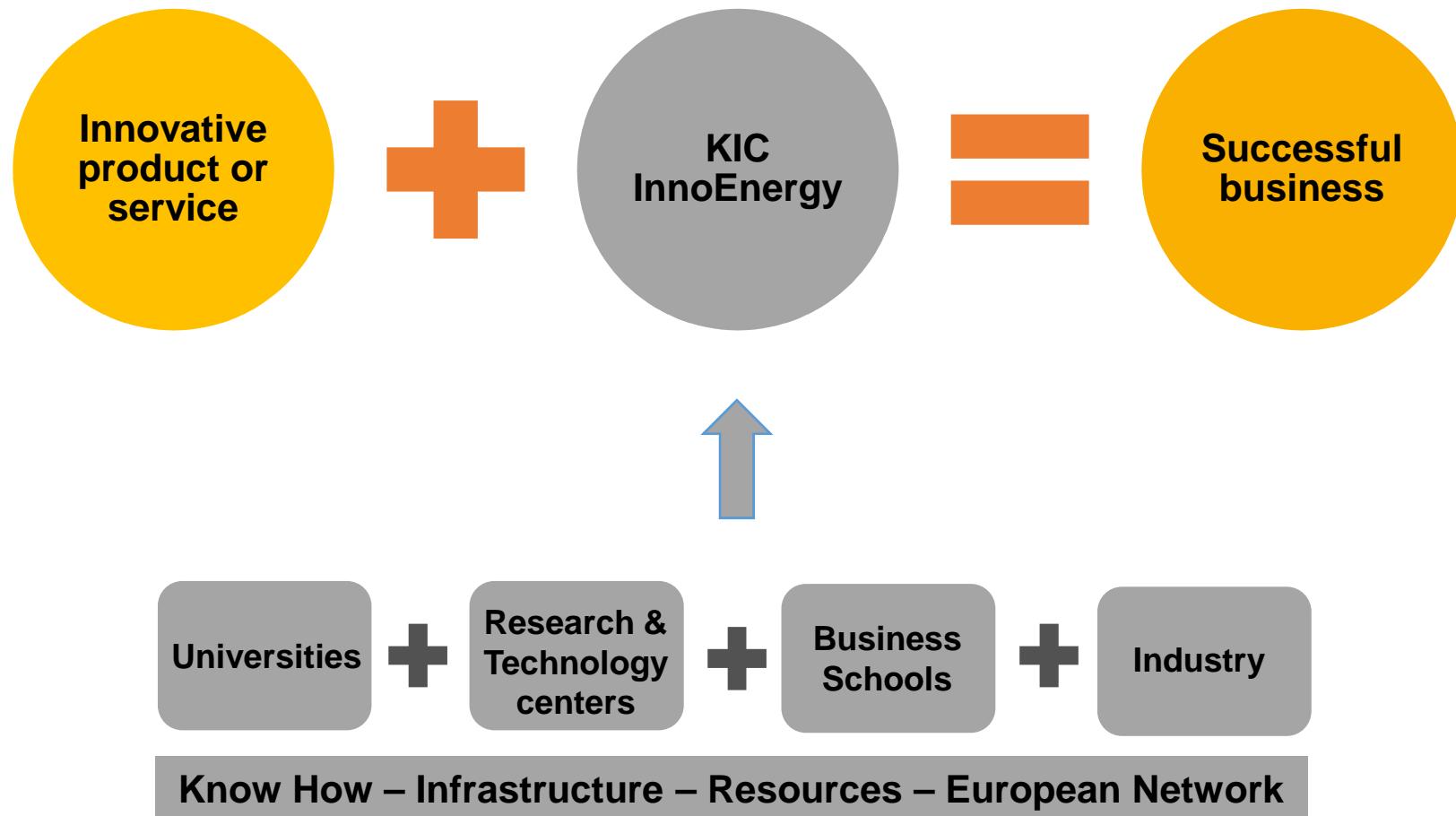
Innovation = Invention + Commercialization



KIC InnoEnergy delivers

1. **Talent - Future Game-Changers**, specialized in the energy field with entrepreneurial spirit
2. **Innovative products and services** - Technology with a market impact
3. **New businesses** - Start-ups with high growth potential

BCS main objective



Business Creation support



Incubation

Office space & basic services

Acceleration

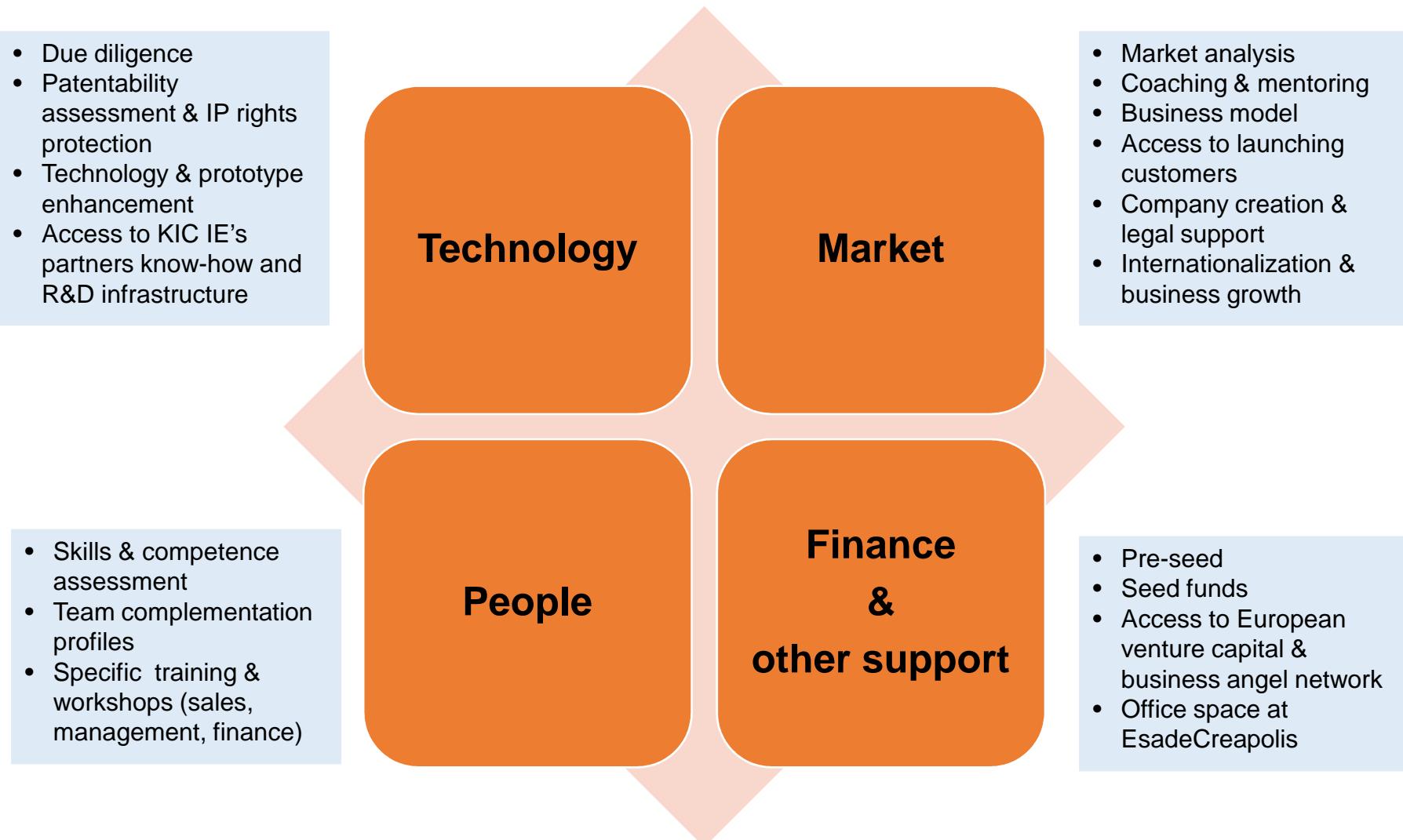
Mentoring, network & other services

Seed Investment

Investors & financial support



Support in 4 dimensions



Central offices - Barcelona



Accelerator - Sant Cugat



Lisbon Offices





Personal Energy

“Eficiencia energética en el sector residencial”



CONFIDENTIAL Enerbyte smart Energy solutions SL 2014



Presentació de l'equip



Quina experiència oferim als usuaris?



Control i seguiment del consum d'energia

- Comparacions d'eficiència entre veïns
- Usos d'energia
- Notificacions



Interacció amb la Comunitat

- Generació de continguts
- Prescripció
- Coopetition



Accés a informació de valor afegit

- Consells d'Estalvi
- Missatges pedagògics
- Coneixement de la Comunitat



Canal de promoció pel comerç local

- Potenciar l'economia local
- Compres col·lectivas
- Generació d'ingressos

Solució cloud i multicanal





- ✓ Suport econòmic (*in kind* i equity) i logístic
- ✓ Accés a la xarxa de contactes internacionals
- ✓ Formació específica i general
- ✓ Accés a personal qualificat (Màsters i Doctorats)
- ✓ Estratègia de sortida en ronda de finançament

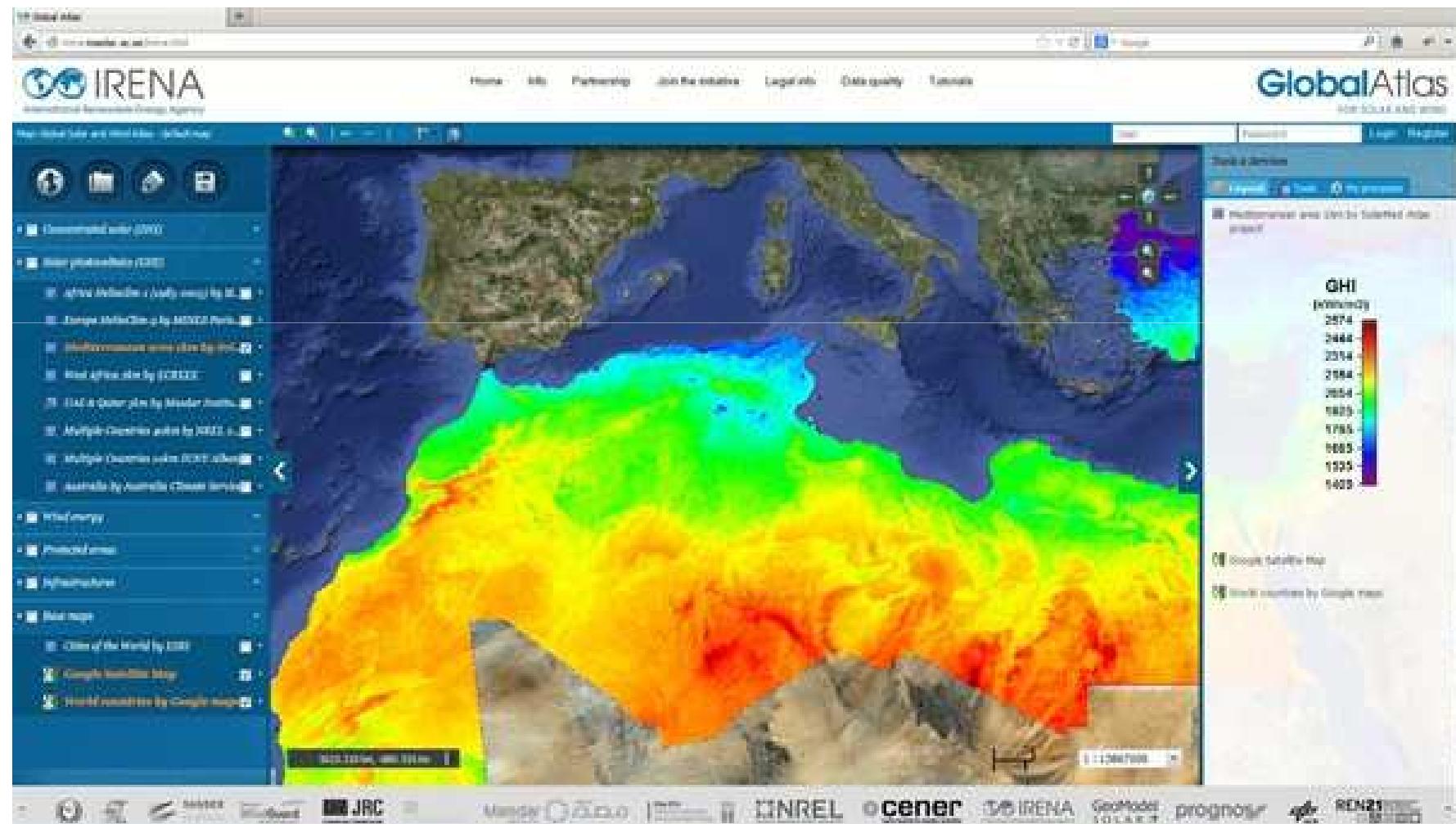
La Mediterrània, un espai geogràfic comú



<http://www.davidrumsey.com/luna/servlet/detail/RUMSEY~8~1~205498~3002457:Mediterranean-Sea--Pergamon-World-A#>

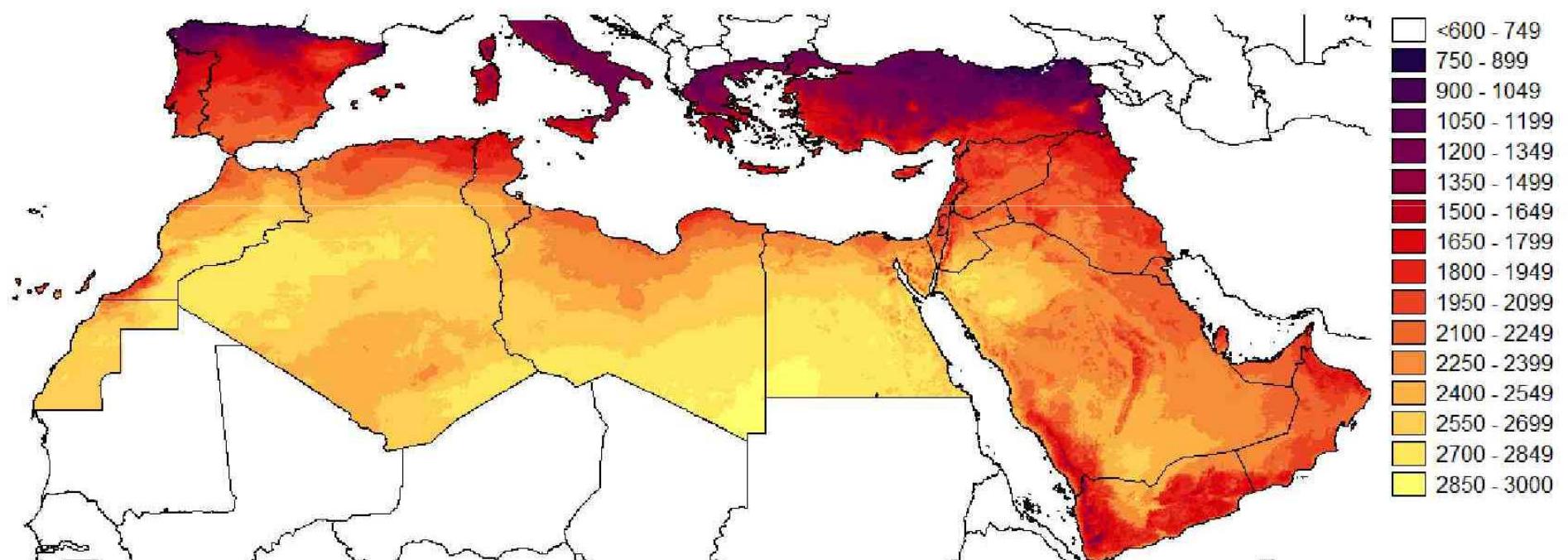


Mapa del potencial eòlic i solar a la Mediterrània



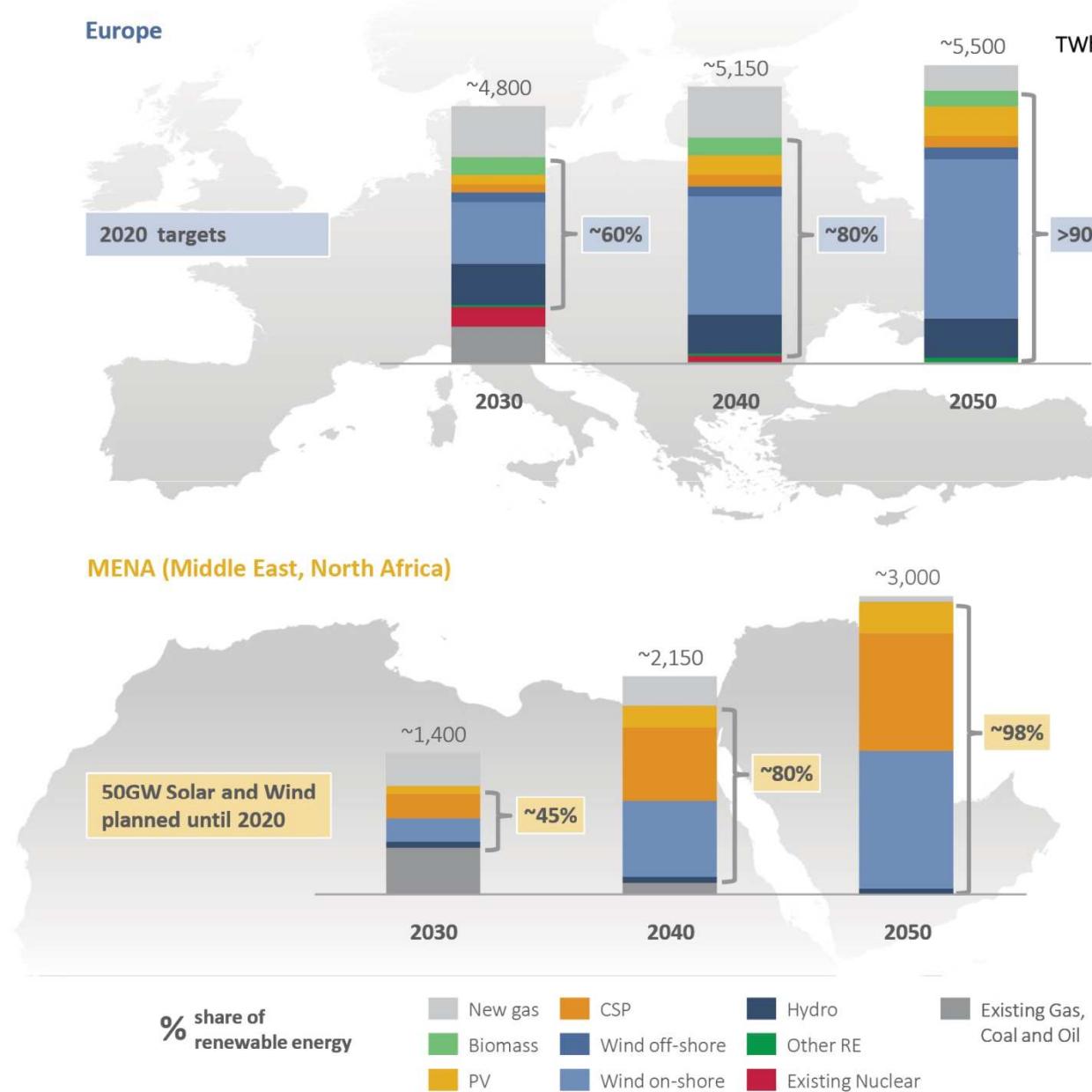
Global online atlas for solar and wind power

Mapa de la distribució de la Radiació Solar a la Mediterrània



Mix d'electricitat a Europa i MENA

Source: Dii - The industrial alliance Dii works on creating a market for solar and wind energies from the deserts in North Africa and the Middle East and connecting them to the European power markets

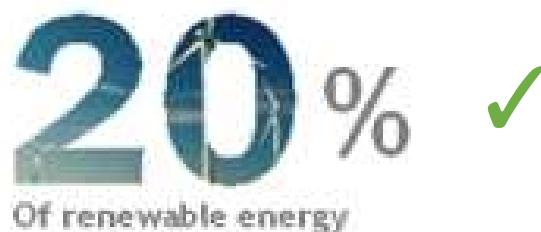


Oportunitats



Energy Efficiency Directive

http://ec.europa.eu/energy/efficiency/eed/eed_en.htm



- ✓ **Objetius d'eficiència obligatoris** 2020: 1.474 Mtoe (energía primària) o no més de 1.078 Mtoe (energia final). Medidas:
 - -3% anual en edificios públicos
 - Las compañías eléctricas asumen objetivos de eficiencia energética
 - Obligación cada 3 años de realizar auditorías energéticas en al industria
 - Acceso del ciudadano a mejor información (contadores, factura)



Welcome to the MED Programme!

The MED Programme is a transnational programme of European territorial cooperation. It is financed by the European Union as an instrument of its regional policy. The transnational setup allows the programme to tackle territorial challenges beyond national boundaries, such as environmental risk management, international business or transport corridors. So far, 158 projects have been programmed, co-funded by the European Regional Development Fund (ERDF) up to a rate of 85%. + [MORE](#)



The map shows the outlines of European countries. Some countries are highlighted in red, while others are in white. The red-highlighted countries are: Albania, former Yugoslav Republic of Macedonia, Montenegro, Serbia, Turkey, and Iceland. These are the countries mentioned in the list below.

EU CANDIDATE AND NEIGHBOURING COUNTRIES' ENERGY
AND TRANSPORT OUTLOOK TO 2030

PART III

- Albania
- former Yugoslav Republic of Macedonia
- Montenegro
- Serbia
- Turkey
- (Iceland)

2 – Projectes en països candidats a la UE



More information

For general information regarding European statistics, please go to the Eurostat web site:

<http://ec.europa.eu/eurostat>

For information on statistical classifications, please go to the Eurostat classification server RAMON:

<http://ec.europa.eu/eurostat/ramon>

For more information on European policies in the areas of enlargement, transport and energy please go to the following web sites:

<http://ec.europa.eu/enlargement>

<http://ec.europa.eu/transport>

<http://ec.europa.eu/energy>

For more specific questions on statistics in relation to candidate and potential candidate countries, please contact:

Eurostat Unit D1 - Statistical cooperation with European and Mediterranean countries

5, rue Alphonse Weicker, L-2721, Luxembourg

e-mail: ESTAT-D1-REQUESTS@ec.europa.eu

fax: +352 4301-32139

Symbols, abbreviations and important notes

In this publication, names are abbreviated as follows:

HR Croatia

IS Iceland

ME Montenegro

MK⁽¹⁾ The former Yugoslav Republic of Macedonia

TR Turkey

AL Albania

BA Bosnia and Herzegovina

RS Serbia

XK Kosovo under UNSCR 1244/99

: No data available

- Not applicable, not relevant or zero by default

% Percentage

Italic Value is either an estimate or provisional.

⁽¹⁾ Provisional code which does not prejudge in any way the definitive nomenclature for this country, which will be agreed following the conclusion of negotiations currently taking place on this subject at the United Nations.

The data for Serbia exclude Kosovo, which is under international administration in line with the UNSCR 1244/99.



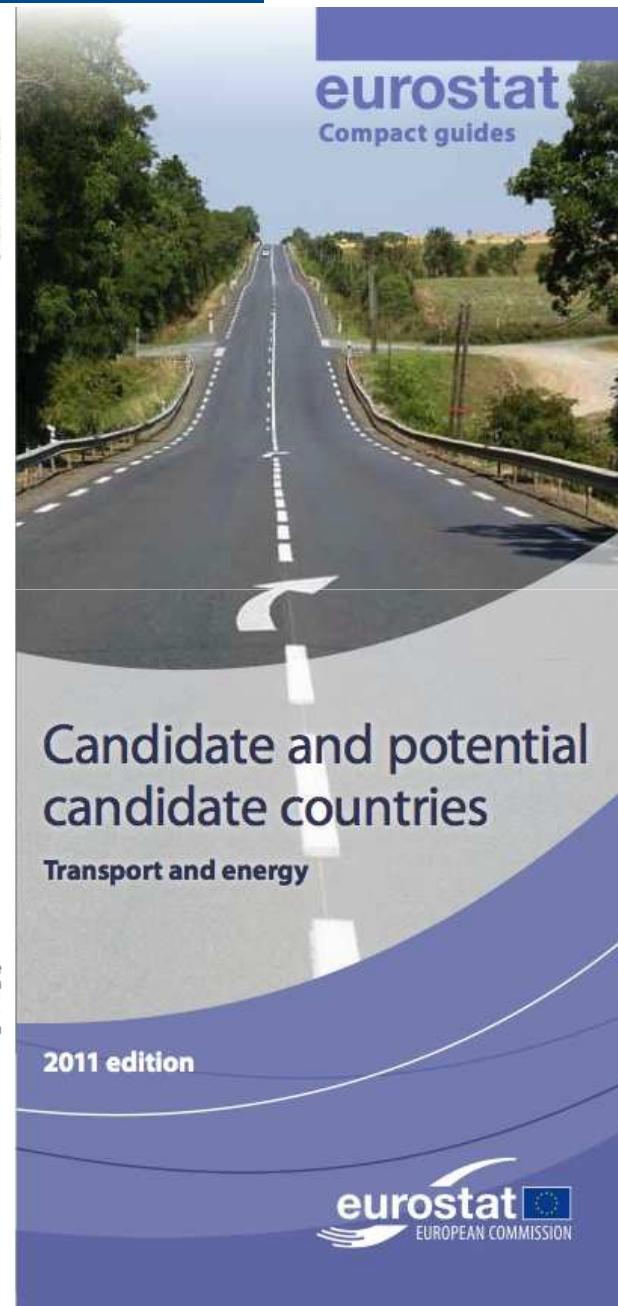
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ES-30-10-428-EN-C



3 - Projecte DESERTEC



- The DESERTEC vision is to supply as many people and businesses as possible with renewable, clean energy from the deserts and arid regions of the earth. This should provide opportunities for prosperity for lots of people and protect the climate.

As of March 2014, Dii consists of 20 shareholders (listed below) and 17 associate partners.^[34]

- | | | | |
|--|---|---|---|
| •  ABB | •  E.ON | •  Red Eléctrica de España | •  Terna Energy SA |
| •  Abengoa Solar | •  First Solar | •  RWE | •  UniCredit |
| •  ACWA Power | •  Flagsol | •  Avancis | •  State Grid Corporation of China |
| •  Cevital | •  HSH Nordbank | •  Schott Solar | |
| •  Deutsche Bank | •  Munich Re | •  Terna | |
| •  Enel Green Power | •  Nareva | | |

(...) provide continental Europe with **15%** of its electricity needs (...)

**Forecast of installed capacity from renewable energy sources, by technology
(MW installed): milestones for 2014-2020**

	2014-2015	2016-2017	2018-2019	2020	Percentage of total installed capacity (%)
Energy efficiency target: percentage of forecast demand (%)	7	12	17	20	
Estimate of forecast demand including energy efficiency (TWh)	60.4	61.5	64.5	64.3	
Wind¹⁸ (MW)	250	400	600	800	29
Biogas and biomass (MW)	50	100	160	210	7.6
Thermo-solar or “large” photovoltaic¹⁹ (MW)	700	750	1000	1200	43.5
“Medium” photovoltaic²⁰ (MW)	350	350	350	350	12.7
Photovoltaic up to 50 kW (MW)	200	200	200	200	7.2
Total installed capacity (MW)	1550	1800	2310	2760	
Percentage of electricity generation from renewable energy sources (%)	5.3%	6.5%	8.3%	10.2%	100%

Estimate of the land area required according to the forecast installed capacity: ~ 3,380 hectares²¹

Una oportunitat per Catalunya



Tenim l'oportunitat d'exportar el nostre coneixement i tecnologia energètica a tota l'àrea d'influència mediterrània



Moltes gràcies.

Pep Salas

psalas@enerbyte.com



 www.enerbyte.com

 @Enerbyte

 info@Enerbyte.com

  Enerbyte