

# Interreg IVB North Sea Region Programme



## Transnational Cooperation Seminar on ENERGY

23 September 2008, Aberdeen, United Kingdom



[www.power-cluster.net](http://www.power-cluster.net)

Transnational Cooperation Seminar ENERGY  
23 September 2008, Aberdeen, UK

The Northern European  
competence network  
for offshore wind energy

# Agenda



1. Partner Consortium
2. Project Aims
3. Contents & Innovation
4. Questions & Answers



# Partner Consortium



**Lead Beneficiary:**



Bremerhavener Gesellschaft  
für Investitionsförderung  
und Stadtentwicklung mbH



**Budget:**

4.998.942 EUR  
(Total)



2.499.471 EUR  
(ERDF)



**Duration:**

01.07.2008 –  
30.06.2011



European Union  
The European Regional Development Fund

# Partner Consortium



- Business development agencies
- Local and regional governments
- Energy associations
- Scientific and educational organisations
- Foundations



# Partner Consortium



- BIS – Bremerhaven Economic Development Company GmbH (DE)
- The Senator for Environment, Construction, Transport and European Affairs, Free State of Bremen (DE)
- University of Applied Sciences Bremerhaven (DE)
- Technical College Bremerhaven (DE)
- University of Oldenburg (DE)
- German Foundation Offshore Wind Energy (DE)
- Ministry for Science, Economic Affairs and Transport, State of Schleswig-Holstein (DE)
- Academy of Economics of Schleswig-Holstein (DE)
- Suffolk County Council (UK)
- East of England Energy Group (UK)
- Northumberland College (UK)
- South Denmark European Office (DK)
- Offshore Center Danmark (DK)
- Aalborg University (DK)
- Delft University of Technology (NL)
- Greater Stavanger (NO)
- Chalmers University (SE)
- Municipality of Öckerö (SE)



# Project Aims



The overall objective of making the North Sea region a better place to...

- ...live in
- ...work in
- ...invest in



© www.northsearegion.eu



# Project Aims



## Major challenges of offshore wind energy deployment

2007: 1% of wind energy produced offshore

Installed wind energy capacity:

- 93.849 MW on- & offshore\*
- 1.100 MW offshore\*\*

\* WWEA 2007  
\*\* EWEA 2007



“Wind could contribute 12% of EU electricity by 2020. One third of this will more than likely come from offshore installations”

(EU Commission’s Energy Package January 2007)



European Union  
The European Regional Development Fund

# Project Aims



## Major challenges of offshore wind energy deployment

- social acceptance – Not In My Backyard (NIMBY)
- transnational complementarities of supply chains
- lack of qualified personnel



European Union  
The European Regional Development Fund

# Contents & Innovation



## Innovative approaches...



# Contents & Innovation

## Innovative approaches regarding social acceptance (WP1)

### “Floating Exhibition\*”



© German Offshore Wind Energy Foundation



© www.freeimages.co.uk

\*working title

# Contents & Innovation



## Innovative approaches regarding business activities (WP2)

### “Learning from Oil & Gas Industry”



© Talisman Energy



# Contents & Innovation



## Innovative approaches regarding business activities (WP2)

### “Geographic Cluster Mapping”



# Contents & Innovation

## Innovative approaches regarding skills development (WP3)

### “Skills”



- development of modules at bachelor / master levels concentrating on offshore wind energy
- addressing the shortage of technicians and common training standards

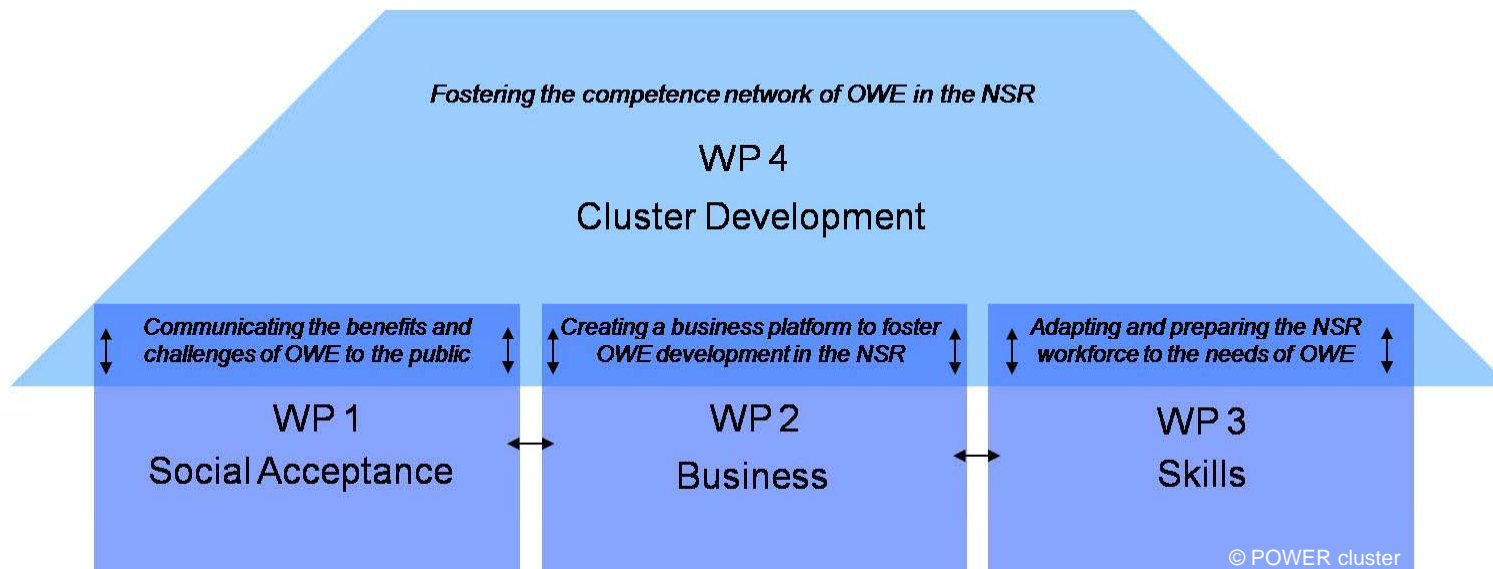
# Contents & Innovation



## „Establishing the POWER cluster“ (WP4)

Priority No. 1: “Building on our capacity for innovation”

↳ (2<sup>nd</sup>) Area of intervention: “Building the transnational dimension of clusters[...]”



# Recently published...



...1<sup>st</sup> newsletter...



## Newsletter - September 2008

### Developing the North Sea Offshore Wind POWER Cluster

This newsletter marks the beginning of a project called "POWER cluster - Developing the North Sea Offshore Wind POWER Cluster". For a course of three years, the project, set up by eighteen partners from six countries (DE, UK, DK, NL, NO, SE), will push the further development of offshore wind energy (OWE) in Northern Europe in general and in the participating North Sea regions especially.

The POWER cluster project was approved under the North Sea Region (NSR) Interreg IVB Programme. Being a direct successor of the NSR Interreg IIIB funded Pushing Offshore Wind Energy Regions project (POWER) core project activities include a strengthened stakeholder and business-to-business network, leading to knowledge transfer and bringing together complementary expertise to create more innovation in the sector.

Furthermore skills training courses (including higher education and addressing unemployment) will be developed to create benefits for restructuring regions, and the project partners will work to raise the social acceptance for offshore wind energy among the wider public and key stakeholders as a basis for the wider roll-out of the technology.

The POWER cluster partners are glad to keep you updated on offshore wind energy issues in general and POWER cluster activities and output in specific via the project web-site and newsletter.

#### A new challenge – a new project!

The POWER cluster project partners realize that the offshore wind industry is at a turning point with the first large scale offshore wind farms being built over the next couple of years, and the industry still to overcome substantial challenges.

While it is clear that there is a degree of competition between the POWER cluster regions, there is a clear benefit of establishing a real offshore wind power cluster with close relationships between the companies in the different regions, both for the economic regeneration of the involved regions, and for confirming the North Sea Region as the global engine for the offshore wind industry.

According to studies conducted by Douglas-Westwood Ltd towards the end of the Interreg IIIB POWER project, "the POWER region is the world leader in offshore wind (...). This is not enough to ensure the successful development of offshore wind projects in the region. Actions must be taken to increase knowledge and build relationships between individual regions and



The Northern European competence network for offshore wind energy



© POWER cluster



© POWER cluster



# Thank you for your attention.



© POWER cluster

Sebastian Schuessler  
(schuessler@rem-consult.eu)  
REM • Consult, Hamburg  
on behalf of  
Lead Beneficiary BIS, Bremerhaven

Bremerhavener Gesellschaft  
für Investitionsförderung  
und Stadtentwicklung mbH

**b!s**



[www.power-cluster.net](http://www.power-cluster.net)

[www.offshore-power.net](http://www.offshore-power.net)



The Interreg IVB  
North Sea Region  
Programme

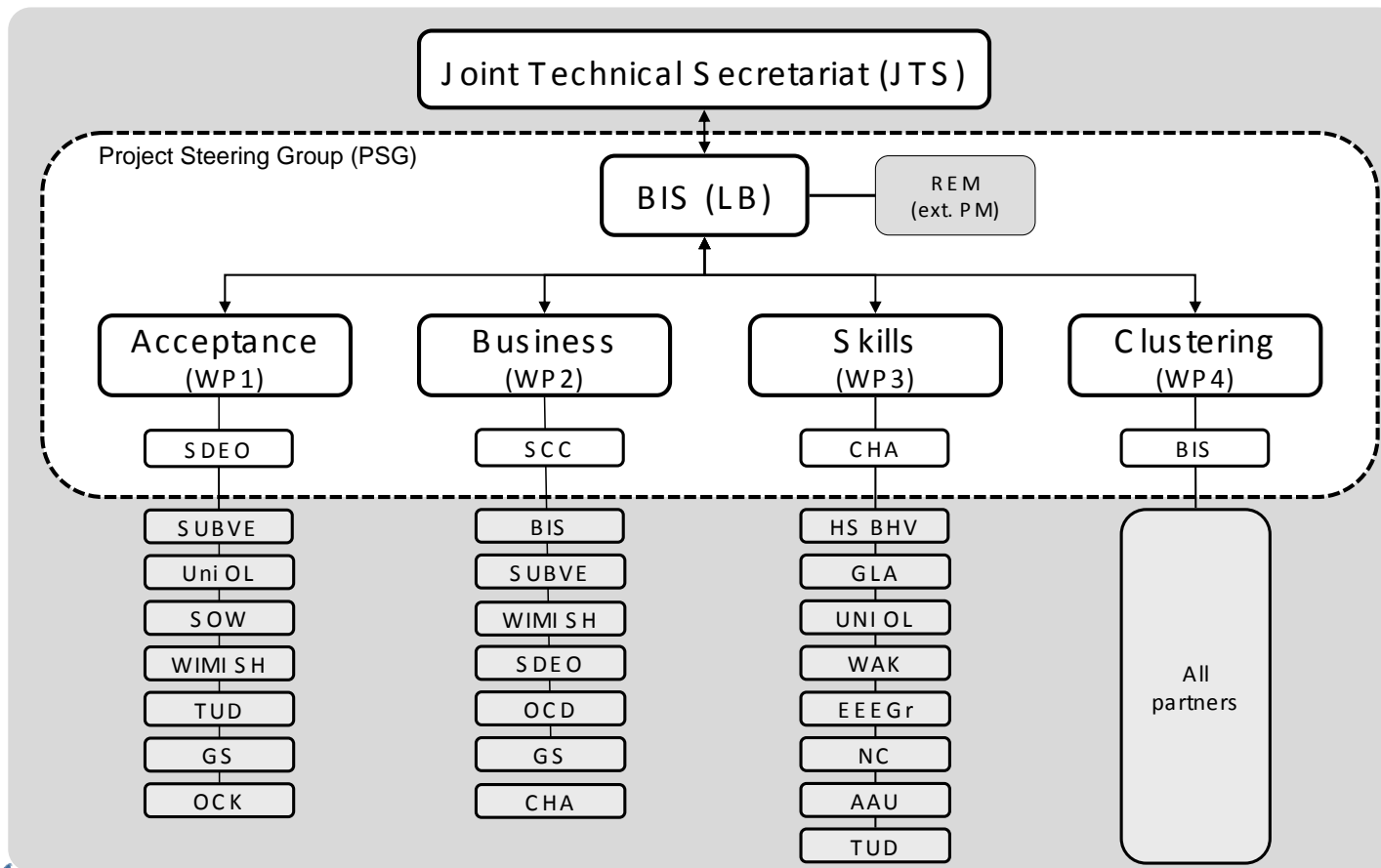


European Union  
The European Regional Development Fund

# End of Presentation

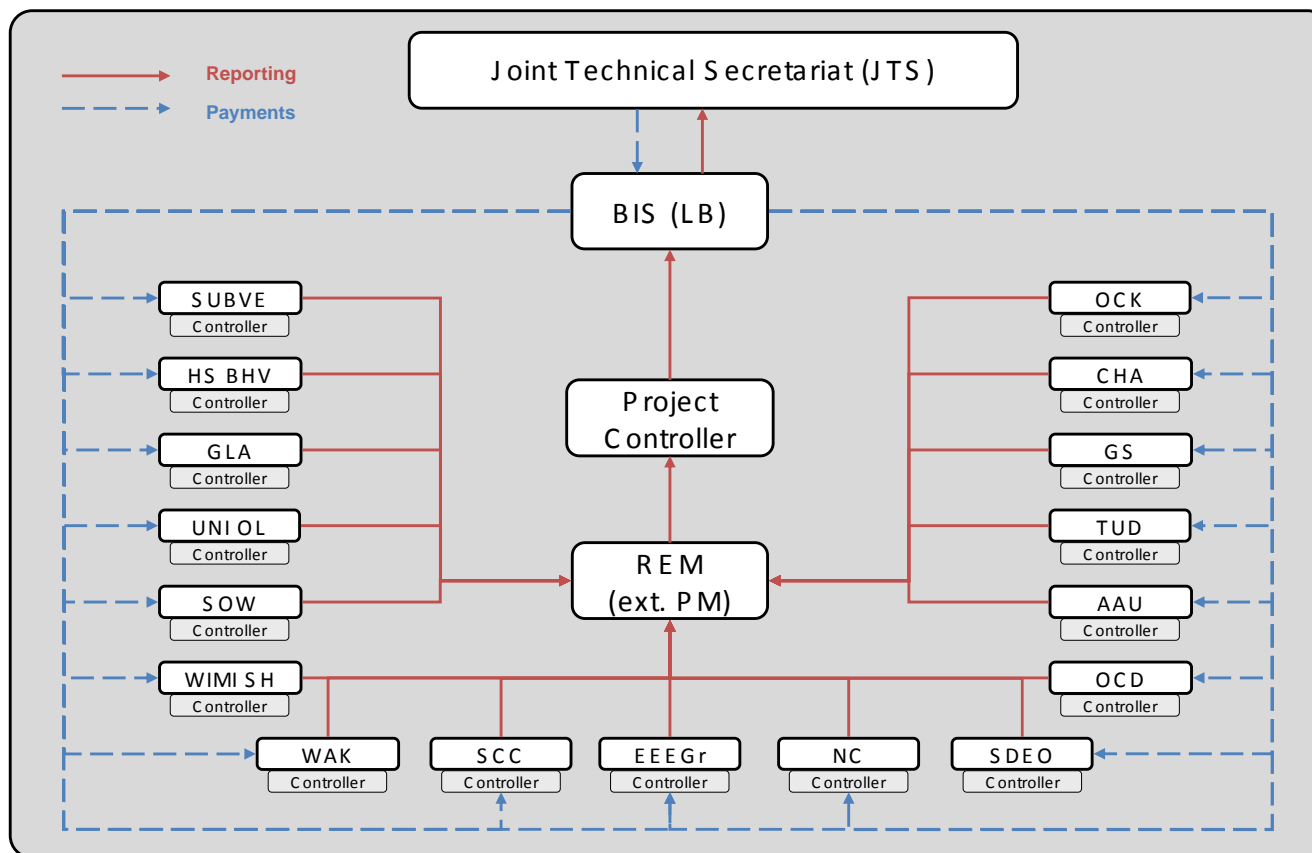
# Partner Consortium

## - content management -



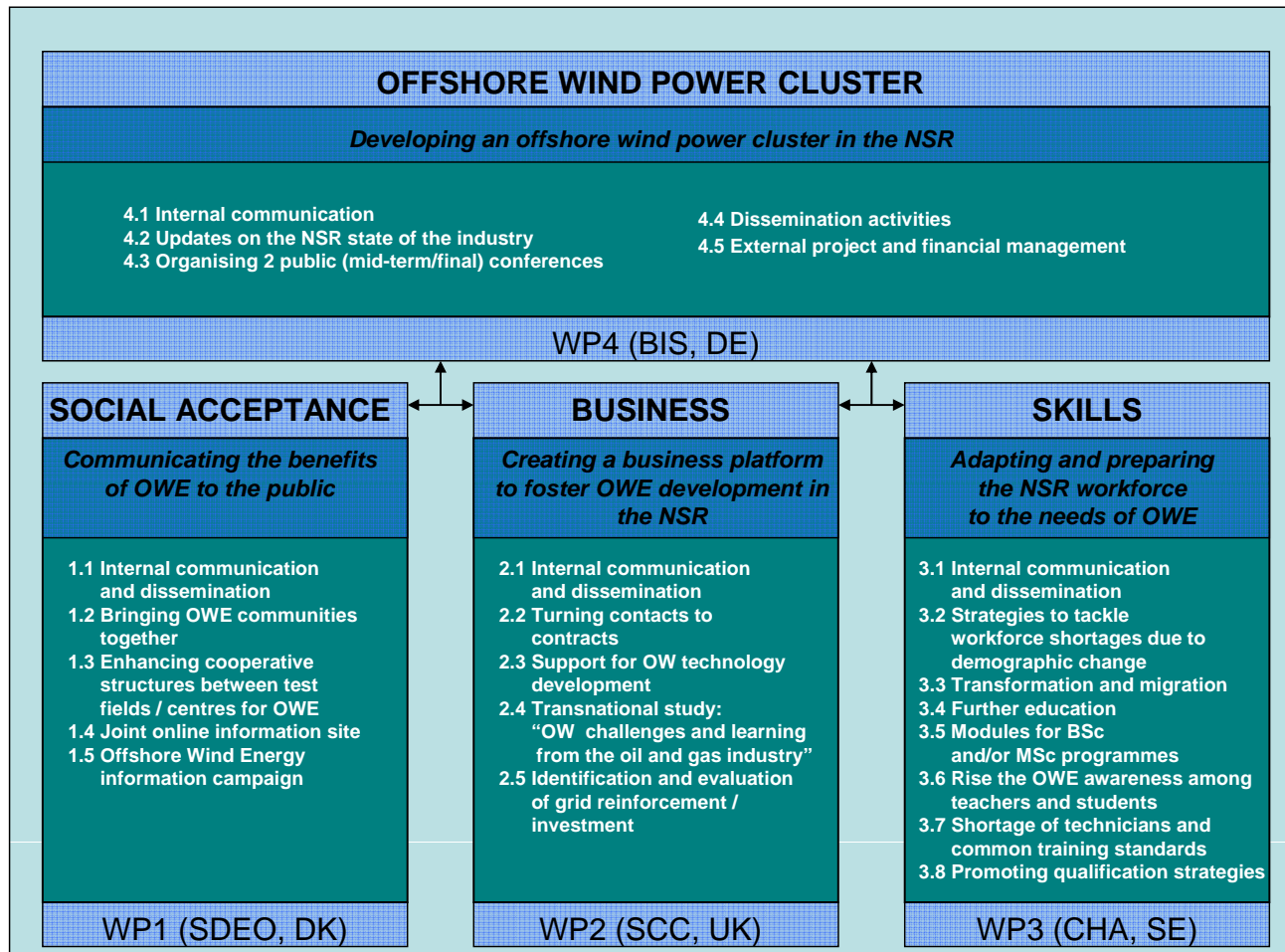
REM • Consult 2008-09-18

# Partner Consortium - financial management -



REM • Consult 2008-09-18

# Cluster Development



© POWER cluster