



**MARIE SKŁODOWSKA CURIE
INNOVATIVE TRAINING
NETWORK**
(European Industrial Doctorates/EID)

ReCoE



ReCoE

Reducing Cost of Energy in the Offshore Wind Energy Sector through Supply Chain Innovation

A 5-year research project at the University of Southern Denmark, lead by Professor Jan Stentoft:

- To develop theory on the effectiveness of applying the supply chain perspective to reduce CoE in current industry and business models.
- To develop new knowledge on how to industrialize and create innovation in green supply chains.
- To develop empirical knowledge on managerial ambidexterity in the wind turbine industry.
- To develop new supply chain and value propositions to reduce CoE.
- To develop theory for increasing innovativeness and efficiency of SMEs to meet new industry demands (industrialization).

For more information please visit us at www.recoe.dk



WHAT – goal of program

- **EID – “European Industrial Doctorates”**
 - Competitively selected joint research training/doctoral programmes implemented by a partnership of **universities, research institutions, businesses, SMEs** and other socio-economic actors from different countries across Europe (and beyond).
 - Focus on scientific/ technological knowledge through research on individual/personalised projects
 - Early stage researcher (ESR) **mobility – country, company**
 - **Knowledge with impact in companies**
 - Bottom up, international, inter- sectoral and interdisciplinary
- Next expected deadline 12th of January 2016

What

- The overall objective of the programme “**Sustainable Operation and Maintenance” (SOM) is to develop new scientific knowledge to **support the industrialization** of the Operation and Maintenance (O&M) processes in the Offshore Wind Energy supply chain in order to reduce the Cost of Energy.**
- Hence, the project is one way of **driving forward** the themes addressed by ECOWindS

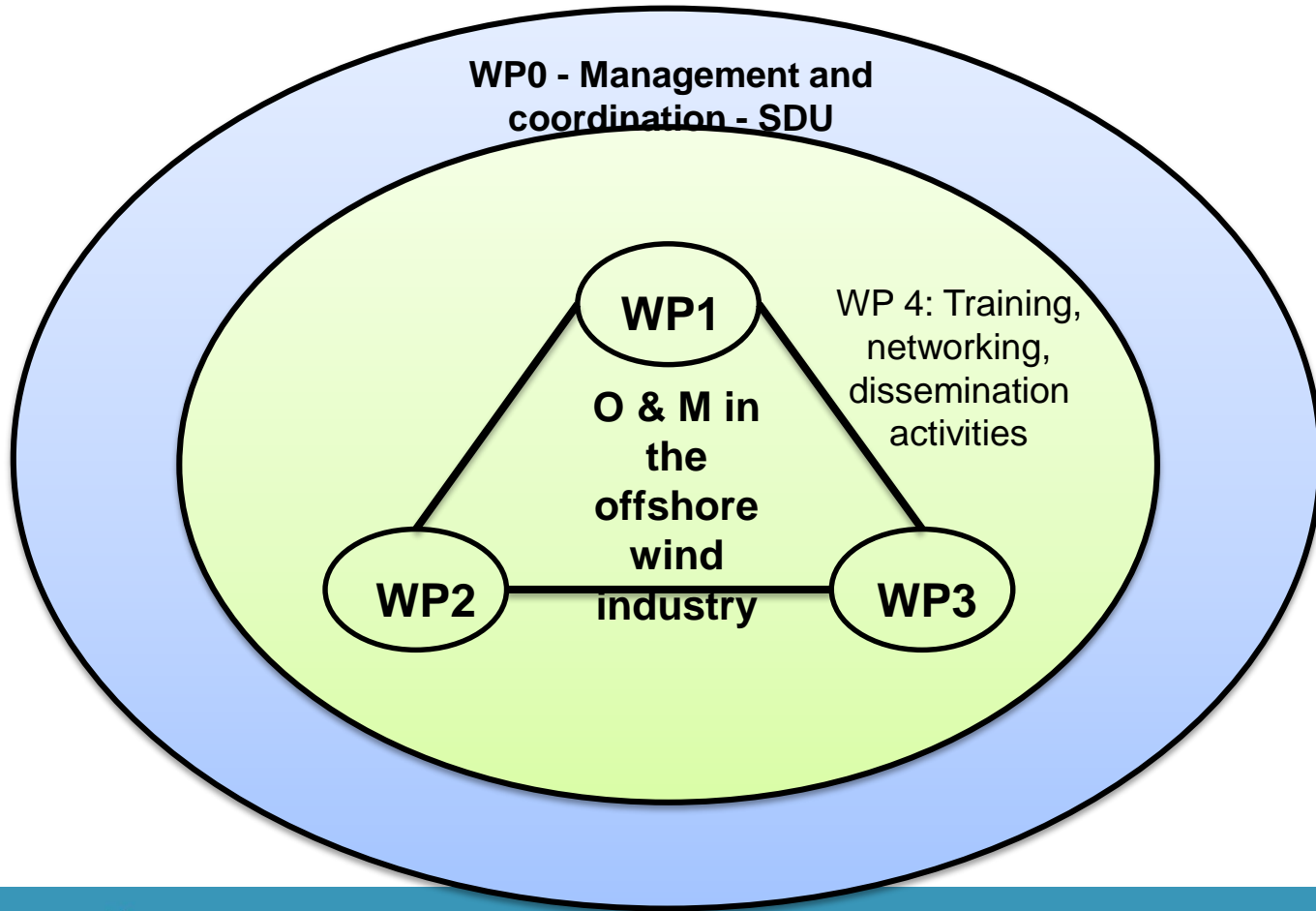
The structure

The network will be centered around the theme **O&M** in the offshore wind industry and structured in **three work packages** focused on different aspects of the theme.

- *WPO: Management and coordination*
 - *Lead: University of Southern Denmark*
- **WPI: Logistics and planning (examples)**
 - Optimise or develop, tools/software for logistics planning to become more efficient and effective.
 - Research design and development of new vessels, or existing vessels, for use in O&M activities.
 - Research the most efficient way to manage O&M.
 - Design of efficient logistics strategies in O&M.

The structure

- **WP2: Standardization and coopetition (examples)**
 - Research the effect uniform rules in health & safety have on O&M cost.
 - Research and develop best practices for effective maintenance processes to provide safe and effective solutions to improve the maintenance processes.
 - Research the contracts impact on development and operation of the actors in O&M.
 - Research and develop ways to “collaborate to compete” in O&M. (e.g. consortia building)
- **WP3: Big data (examples)**
 - Decision processes with data – who, what, when.
 - Research the benefits from sharing of big data on spare parts logistics and inventory management.
 - Research what data is collected, has relevance and how data is structured.
- *WP4: Training, networking and dissemination activities*



Two types of participants

I. Beneficiaries

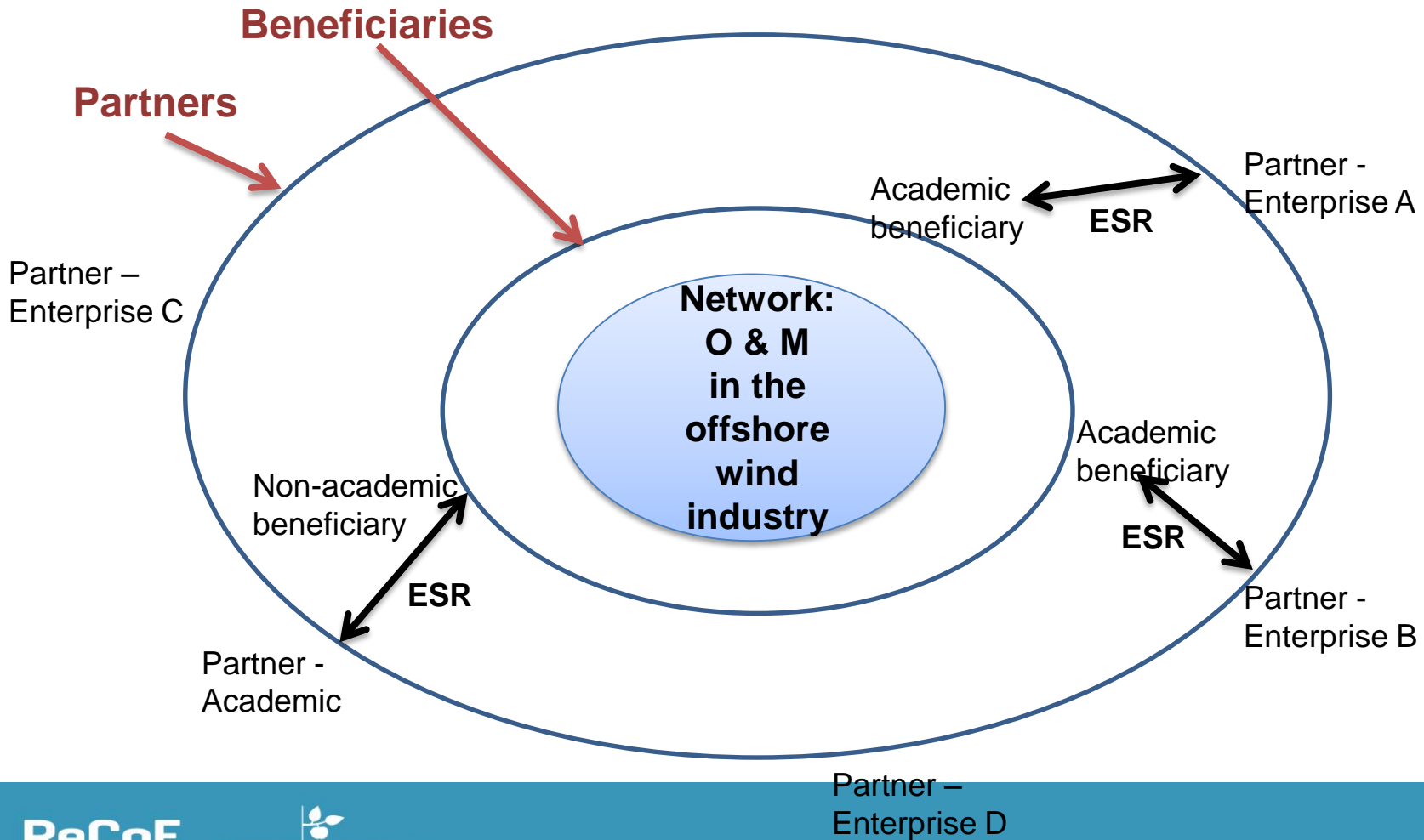
- At least three different member states or associated countries must be included as beneficiaries
- **At least one beneficiary must come from the non-academic sector, preferably enterprise.**
- Beneficiaries are organisations that are **full participants** of the network.
- They contribute directly to the implementation of the joint training programme of the network by **recruiting, supervising, hosting and training** researchers.
- They may also provide secondment opportunities.
- They are **signatories** to the grant agreement
- They **receive funding** from the EU

Two types of participants

2. Partners

- Provide additional research and transferable skills training and/or secondment opportunities.
- Can be academic or non-academic organisations, located in any country.
- **Do not employ** of the researchers
- Are **not signatories** to the grant agreement.

Both academic and non-academic organisations can take part in an ITN/EID either as a beneficiary or as a partner organisation.



Current dialogues in process for potential 8 – 10 projects

- Leeds University (UK)
- University of Bremen (D)
- Gävle University College (S)
- University of Twente (NL)
- University of Southern Denmark (DK)
- Norway?
- Belgium?
- Companies/Enterprises?

Formalities

The industrial doctorates shall, at the time of recruitment be in the first four years of their research career and have not been awarded a doctoral degree

Each recruited researcher must:

- be enrolled in a doctoral programme at one of the academic beneficiaries;
- be jointly supervised by at least two supervisors, one from each sector;
- **spend at least 50% of their time in the non-academic sector (at beneficiaries or partner organisations).**

What's in it for YOU as company?

(50% of time in non-academic sector!)

- Opportunity to have new initiative initiated in your company
- Opportunity to improve or develop processes or modus operandi
- Focus on Exploration vs. Exploitation
- Close collaboration with researchers on O&M challenges
- Part of a network with same interests and workshops
- Etc.

Danish experiences on Industrial Doctorates:

- Kohberg A/S (development of sustainable supply chain)
- Siemens VWP (supply chain integration in offshore wind)
- HYDAC A/S (business development: from product to value focus)

Network Training and Workshops

- Both relevant **Doctoral** courses and **Industrial workshops** are to be organised by the network - e.g.:
 - Research Methodology (quantitative, qualitative)
 - Journal writing
 - Stakeholder management
 - Supply Chain Innovation
 - Project management
 - Network events, seminars and other workshops
 - Conference(s)
 - Etc.

Finance

Unit costs only. 1 unit = 1 researcher month

The researcher

- Living allowance* 3.110 €
- Mobility allowance 600 €
- Family allowance 500 €

The institutions

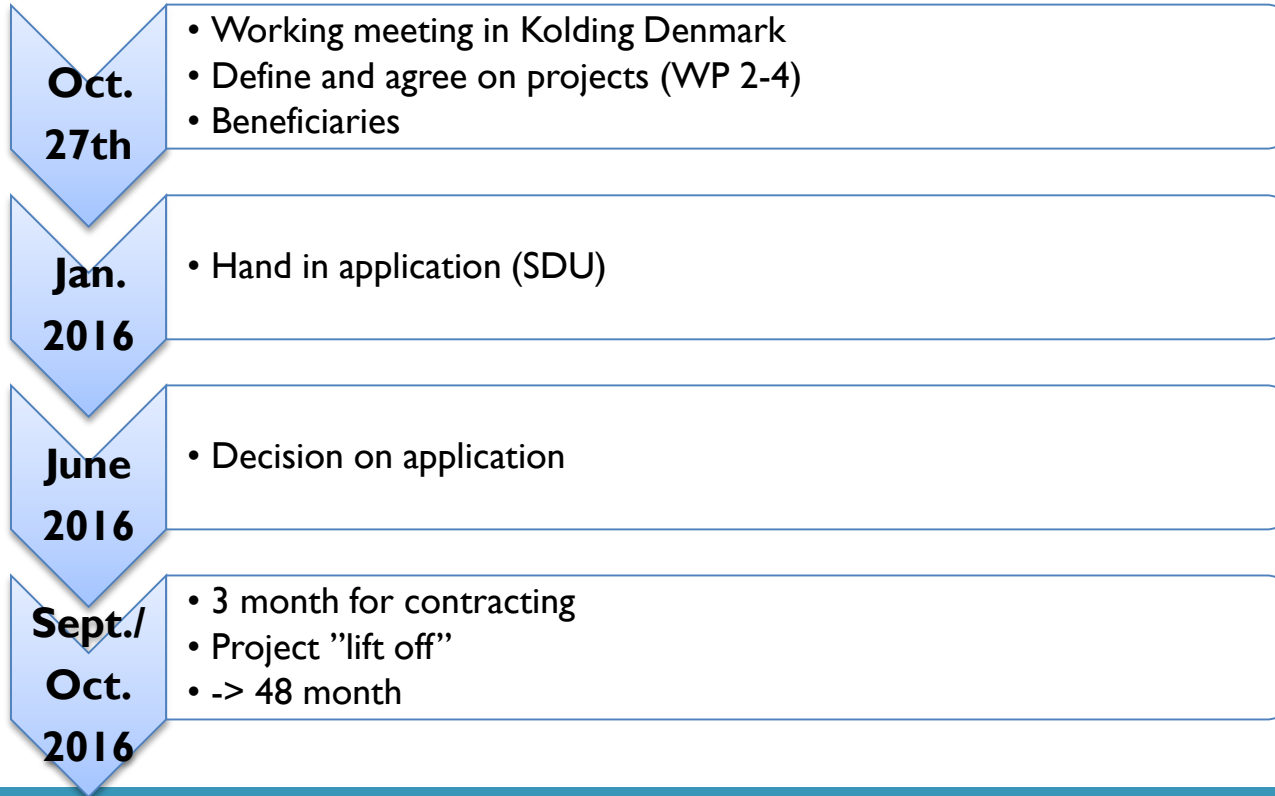
- Research, training and networking costs 1.800 €
- Management and indirect 1.200 €
- This funding can be **redistributed** among the participating organisations. The terms must be described in the **consortium agreement**.
- Country correction coefficient applies to the living allowance

Mobility

very important

- Transnational & Inter-sectoral
- Researchers can be of any nationality. They are required to move from one country to another when taking up their appointment. One general rule applies to the appointment of researchers:
“At the time of recruitment by the host beneficiary, researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host beneficiary for more than 12 months in the 3 years immediately prior to the reference date.”
- In EID, recruited researchers must be seconded to a non-academic beneficiary or partner for a duration of **at least 50% of their recruitment period**.

Timeline



Further contact

If you are interested in further information or participating in the application, please contact;

Professor Jan Stentoft – stentoft@sam.sdu.dk

Asst. Prof. Ole Stegmann Mikkelsen – osm@sam.sdu.dk

THANK YOU

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