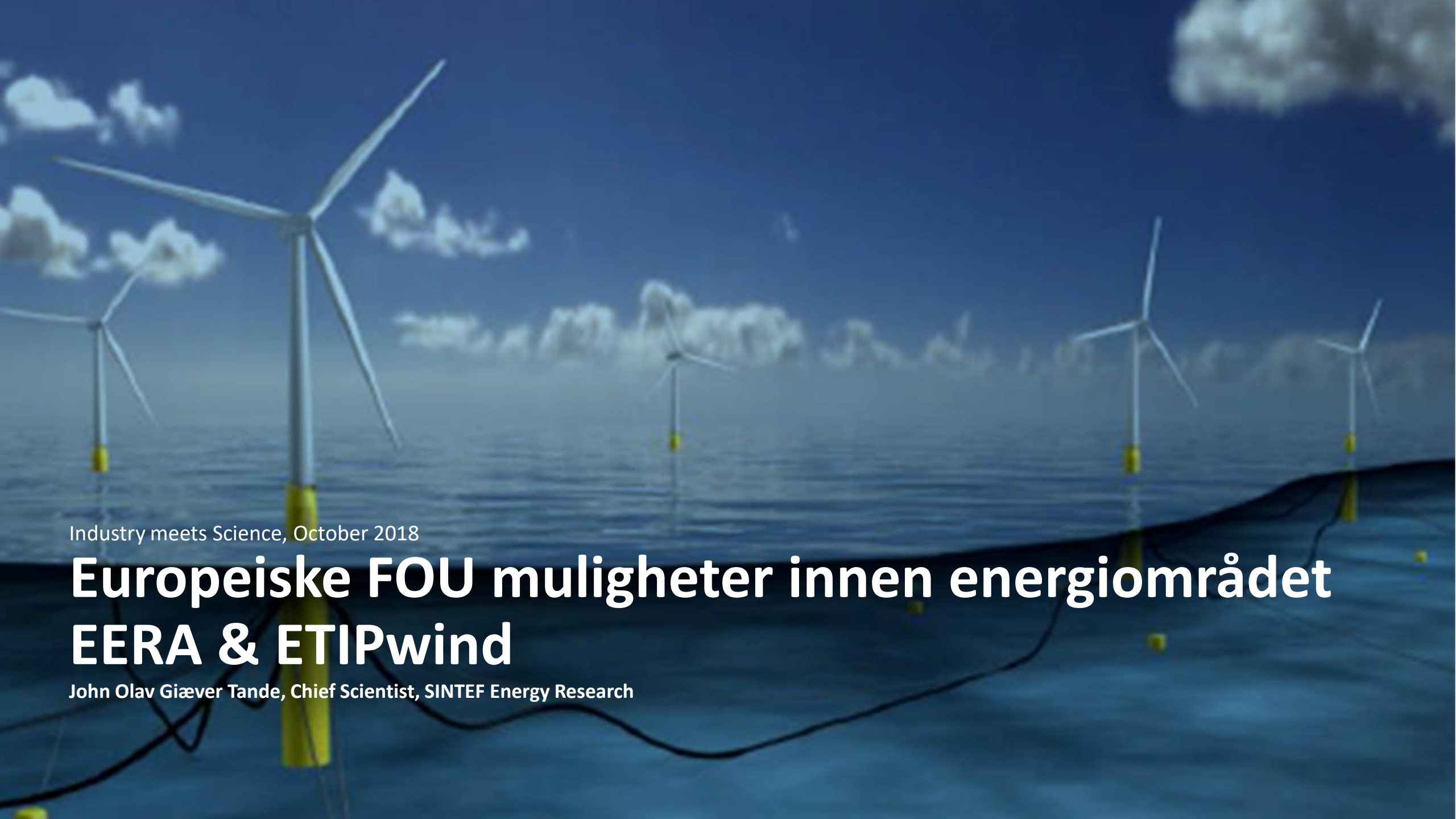


Industry meets Science, October 2018

Europeiske FOU muligheter innen energiområdet EERA & ETIPwind

John Olav Giæver Tande, Chief Scientist, SINTEF Energy Research

EERA
European Energy Research Alliance

EERA JP Wind Energy

a vehicle for collaboration

- EERA is an organisation under the EU SET-Plan
- EERA JP WIND is one of 17 Joint Programmes
- 50 member organisations
- Building trust & knowledge exchange
- Major EU projects setup through EERA JP WIND collaboration
- Lean. Transparent. Independent.

EERA
European Energy Research Alliance

EERA JP Wind Energy

Vision & Mission

Vision

To be the globally leading R&D community in wind energy

creating synergy advantages for European research organisations and industry in support of the green energy transition and the SET-Plan goals.

Mission

Build and maintain a world-class wind energy research and innovation community in Europe

through increased alignment and coordination of national and European efforts in support of the industry of today and to enable the industry of tomorrow.

EERA
European Energy Research Alliance

EERA JP Wind Energy

Objectives

1. **Strategic leadership** in prioritizing and promoting research at TRL 1-5 and working with Industry to coordinate research priority setting at higher TRLs towards the European and national policy makers
2. **Enhance knowledge** sharing through joint events and communication platforms
3. Coordinate dedicated **mobility programmes** for researchers to increase collaboration through dedicated mobility programmes
4. **Sharing infrastructures** to improve the efficiency of use and easy of access of state of the art infrastructure
5. **Enable data sharing and management** in accordance with the European Commission's F.A.I.R principles

EERA
European Energy Research Alliance

EERA JP Wind Energy

Sub-programmes

Coordination

- SP1: Programme planning and outreach
  - Strategic roadmaps and plans
  - Publish yearly R&D priorities
  - Training and mobility
- SP2: Research Infrastructure, testing and standards
  - Standard agreements and procedures, getting external funding
  - Dissemination and open data

Research

- SP3: Wind conditions and climatic effects
- SP4: Aerodynamics, loads and control
- SP5: System integration
- SP6: Offshore Balance of Plant
- SP7: Structures, materials and components
- SP8: Planning & Deployment, social, environmental and economic issues

SP Offshore Balance of Plant

Coordinator: John Olav Giæver Tande, SINTEF

This SP brings together international experts within offshore wind energy.

The research is carried out through projects from which results can be openly shared, e.g. EU-projects or national competence building projects.

Overall objective

Pre-competitive research laying a scientific foundation for the industrial development of more cost effective offshore wind farms and enabling large scale deployment at any seas

SP Offshore Balance of Plant

Coordinator: John Olav Giæver Tande, SINTEF

MOTIVATION

Offshore wind farms will be an important part of a future sustainable energy system. The technology and market is still in an early phase. Strong research and development efforts are paramount to achieve the full potential for deployment and cost reductions. Offshore wind energy is prioritized in the European SET-plan.

SP Offshore Balance of Plant

Coordinator: John Olav Giæver Tande, SINTEF

ACTIVITIES

Knowledge sharing is organized through dedicated workshops, possibly in combination with other EERA JPwind SPs, and through the annual EERA DeepWind R&D conference.

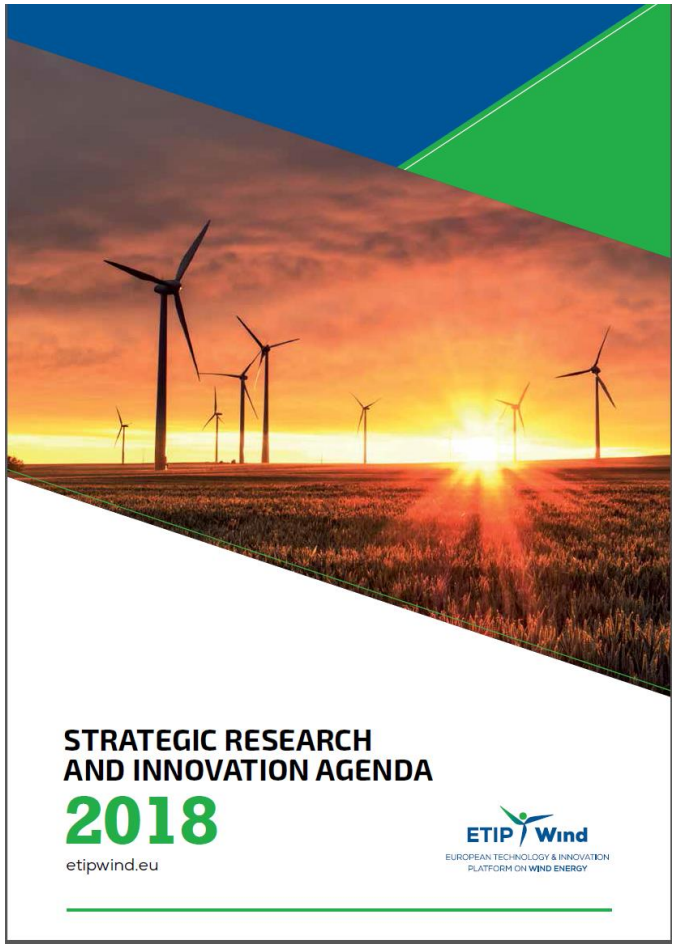
The research is aligned through sharing and preparing research strategies on offshore wind energy between institutes and public bodies.

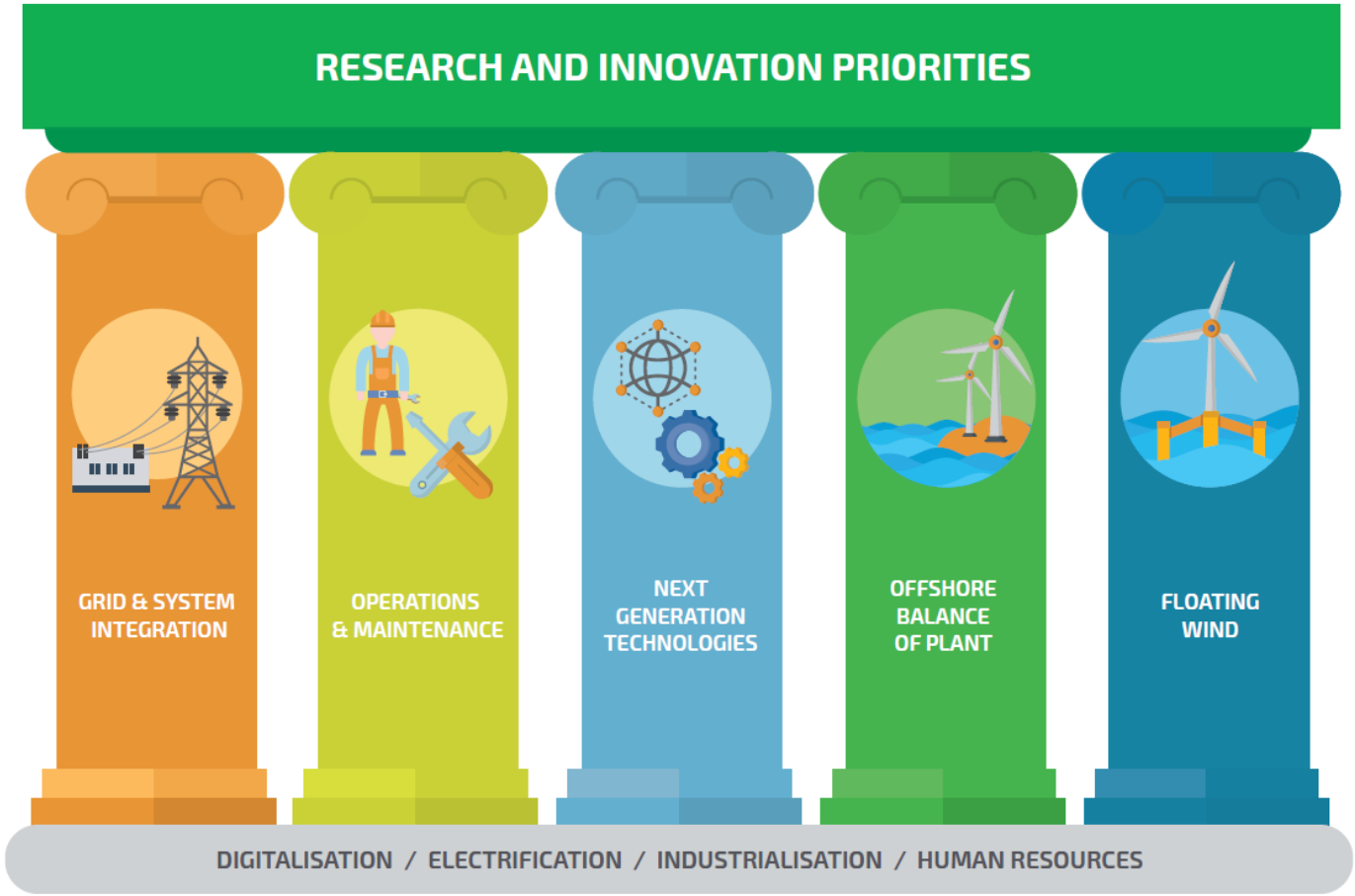
SP6 focus

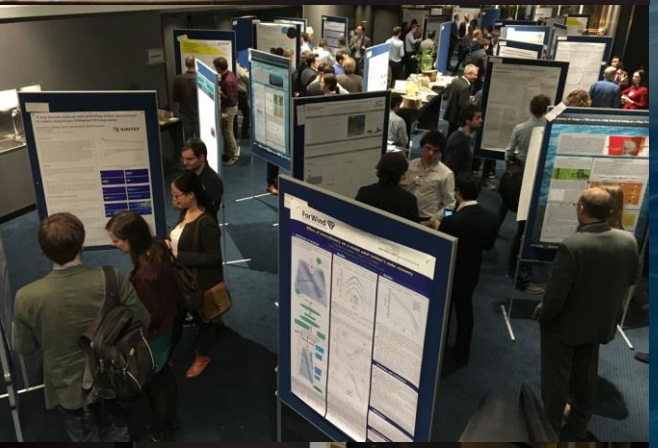
ETIP Wind

EUROPEAN TECHNOLOGY & INNOVATION PLATFORM ON WIND ENERGY

Strategic Research and Innovation Agenda







Make sure to be there!

EERA DeepWind'2019
16th Deep Sea Offshore Wind R&D Conference
Trondheim 16-18 January, Norway