Economic and social aspects of wind integration

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Introduction to the subprogram

EERA JP Wind, 19 September 2016

www.eera-set.eu

EERA is an official part of the EU SET-Plan.

http://setis.ec.europa.eu/

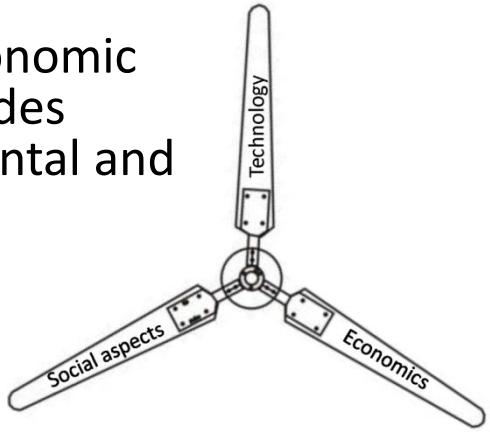
Objectives

Explore **major economic and social challenges for wind** energy and investigate how they can be addressed and mitigated

Align research activities in the area of economic and social aspects of wind integration to lay a scientific foundation for the long term cost-effective development of wind energy and its successful deployment in energy systems.

1. Supports other sub-programmes by adding an economic and social perspective into the analysis. This includes aspects relating to society, technology, environmental and economic challenges of wind integration.

2. Independent research activities.



Core Research Themes (RT)

RT1: Component and system costs of wind energy

RT2: Economic incentives and support mechanisms for wind energy

RT3: Adapting power markets for wind energy

RT4: Economic integration of wind into energy systems

RT5: Externalities and environmental issues of wind energy including Life Cycle Assessment (LCA)

RT6: Public engagement strategies for wind energy

Kick-off November 2014

22 participants from 14 different EERA Wind member institutions

Kick-Off meeting of RT1, June 2015

Kick-Off meeting of RT6, March 2015

Status

RT1: **Component and system costs of wind energy**

- *Kick-off and workshop on component and system cost development and related research needs. May 2015, IREC, Barcelona.*
- *Draft review document: State of the art of existing tools for wind energy economic assessment*

RT2: **Economic incentives and support mechanisms for wind energy**

- *Workshop on future policy support options for offshore wind energy in Europe. Amsterdam, Sep 2015*
- *Draft report on future policy support options for offshore wind energy in Europe*

Status

RT3: **Adapting power markets for wind energy**

- Common workshop with SP Wind Integration

RT4: **Economic integration of wind into energy systems**

- *National projects, e.g. System value of wind power*

RT6: **Public engagement strategies for wind energy**

- *Workshop March 9th 2015 at DTU Wind*
- *RT6 White paper: Analysing the situation for wind energy and social aspects*

ETIP Wind

European Technology and Innovation Platforms on Wind

- Steering Committee

- **3. Industrialisation**
- 3.2. Regulatory market requirements and harmonisation

- **6. Deployment of wind energy**
- 6.1. Adapting markets and policies
- 6.3. Ensuring public engagement and acceptance

Other relations: EAWE & WindEurope

H2020 proposals

- national initiatives
- common initiatives
- EERA jp Wind procedure
  - not for LCE-06 /07

Presentations

Sub- Programme 7 – Economic and social aspects of Wind integration	
10.40 – 11.10	*System value of wind power* *- An analysis of the effects of wind turbine design.* Janos Hethey, DTU / EA - **RT4**
11.10 – 11.35	*How policy design can foster certain technological developments* Karina Veum, ECN - **RT2**
11.35 – 12.00	*Understand social aspects of wind energy transition and make a change with the European Community.* Anli Ataov, METU Center for Wind Energy - **RT6**
12.00 – 13.00	*Project proposal workshop* *- Horizon 2020 proposals*