



## Economic and social aspects of wind integration

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# 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](http://www.eera-set.eu)



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

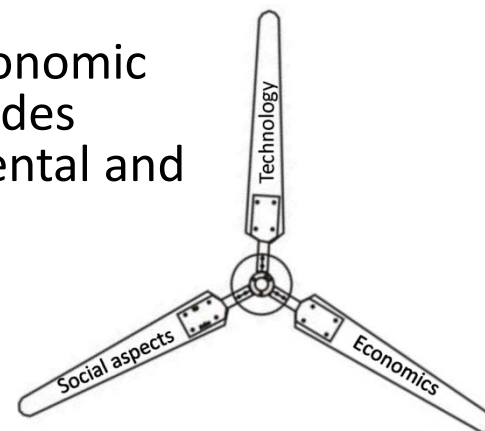
<http://setis.ec.europa.eu/>

# 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: EAWA & 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	<p><i>System value of wind power</i>  - <i>An analysis of the effects of wind turbine design.</i>  Janos Hethey, DTU / EA <span style="float: right;">- <b>RT4</b></span></p>
11.10 – 11.35	<p><i>How policy design can foster certain technological developments</i>  Karina Veum, ECN <span style="float: right;">- <b>RT2</b></span></p>
11.35 – 12.00	<p><i>Understand social aspects of wind energy transition and make a change with the European Community.</i>  Anli Ataov, METU Center for Wind Energy <span style="float: right;">- <b>RT6</b></span></p>
12.00 – 13.00	<p><i>Project proposal workshop</i>  - <i>Horizon 2020 proposals</i></p>