

# Task 28

## Social Acceptance of wind energy



Picture from the Italian expert day in March 2014, Milano

German expert  
meeting

June 5<sup>th</sup>  
Berlin



Implementing Agreement for Co-operation in the Research, Development, and Deployment of Wind Energy Systems

# Task 28 . since 2008



Current guests:

- " *Netherlands*
- " *Turkey*
- " *EWEA*
- " *Joint Research Centre EU*

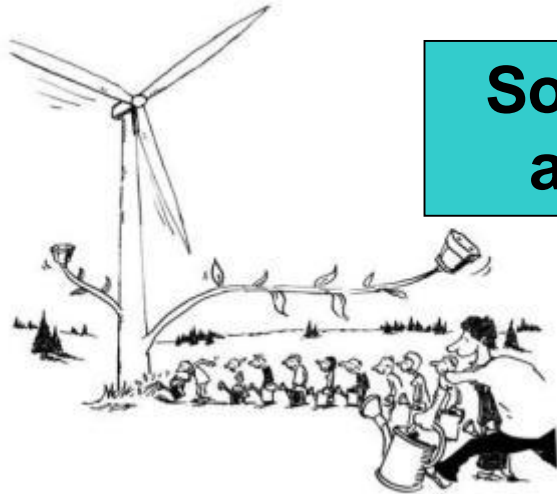


Current members:

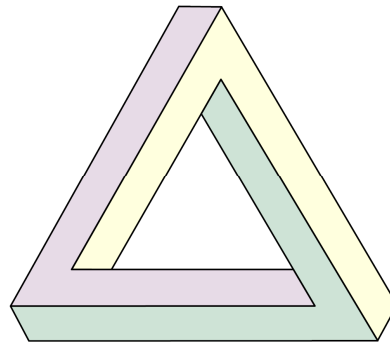
- " *Denmark*
- " *Germany*
- " *Ireland*
- " *Italy*
- " *Japan*
- " *Switzerland*
- " *US*



# Structure for the discussion



**Socio-political  
acceptance**



**Community  
acceptance**

**Market  
acceptance**



Wüstenhagen et al. 2007 /  
IEA Wind Task 28



# Structure of the aspects discussed

## Well-being

- " Standard of living
- " Quality of life
- " Health, lights, noise & shadow flicker
- " Valuation of ecosystems

## Policy & Strategies

- " National framework
- " Incentive programs
- " Spatial planning

## Procedural design

- " Regulatory requirements
- " Fair and transparent processes
- " The role of public engagement
- " Respect of cultural history / local context

## Distributional justice

- " Ownership models
- " Regional welfare
- " Creation of win-win-situations

## Implementation strategies

- " Visualization
- " Social marketing / communication
- " Checklists / guidelines
- " Practical application of scientific results

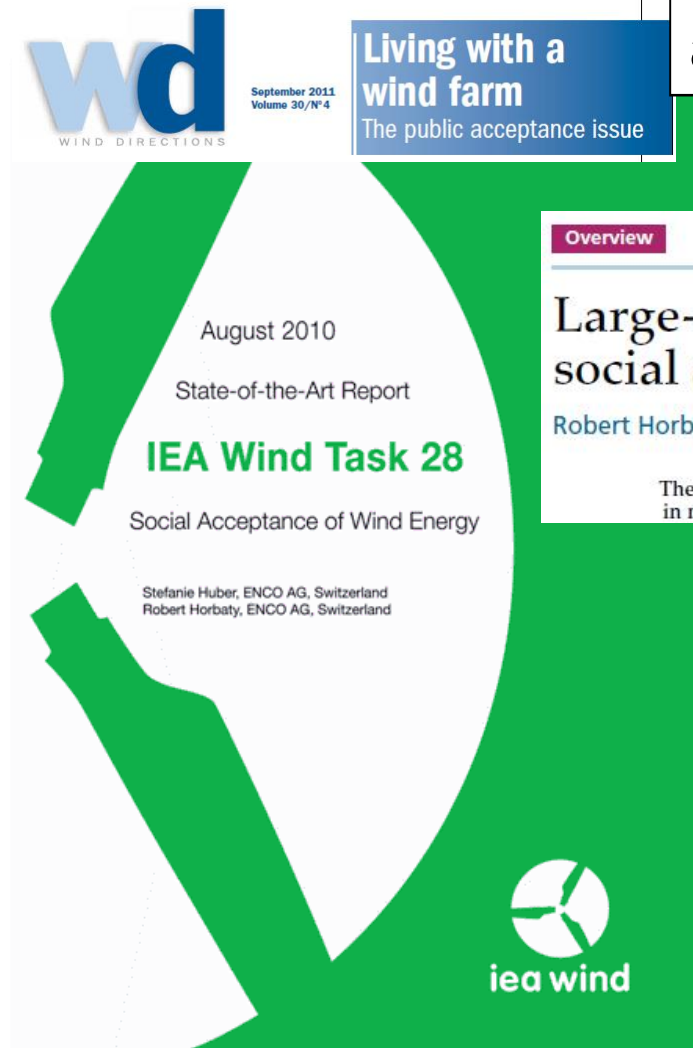
# National expert meetings

- “ Boulder, US (autumn 2009)
- “ Galway, Ireland (autumn 2010)
- “ Amsterdam, NL (spring 2011)
- “ Trondheim, Norway (autumn 2011)
- “ Biel, Switzerland (summer 2012)
- “ Tokyo, Japan (summer 2013)
- “ Milano, Italy (spring 2014)
- “ Blyth, UK (spring 2014)
- “ Berlin, Germany (spring 2015)



# Reports and publications

## Recommended Practices for social acceptance of wind energy projects



### Overview

## Large-scale wind deployment, social acceptance

Robert Horbaty,<sup>1\*</sup> Stefanie Huber<sup>2\*</sup> and Geraint Ellis<sup>3\*</sup>

The public is typically in agreement with the renewable energy tax in many national states and generally supports the idea of incre

### SOZIALE AKZEPTANZ VON WINDENERGIE IN DER SCHWEIZ UND ANDERSWO

Wie bringt man alle Stakeholder von Windenergie-Projekten an einen Tisch? Wie bezieht man Betroffene ein? Eine internationale Arbeitsgruppe zur Förderung der Sozialen Akzeptanz von Windenergie («IEA Wind Task 28») zeigt auf, wie grenzüberschreitender Austausch erfolgreicher Strategien die Windenergie vorwärts bringen kann. Stefanie Huber



Windenergie-Workshops mit dem Fokus GemeindeführerInnen in Irland und der Schweiz





# Website & database

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The International Energy Agency  
Implementing Agreement for Co-operation in the Research,  
Development, and Deployment of Wind Energy Systems

**iea wind**

[Projects Intranet pages](#)

## Task 28, Social Acceptance of Wind Energy Projects



### Introduction

The mission of the IEA Wind Implementing Agreement is to stimulate co-operation on wind energy research information and analysis to member governments and commercial sector leaders by addressing technological benefits, markets, and policy instruments.

Sometimes referred to as "soft issues" to differentiate them from technology aspects, environmental and deployment of wind energy in many countries. Even where the economics of wind energy are favorable, the planning authorities accept the technology. This requires an appreciation of the benefits of wind energy environmental effects. The evaluation of this balance is often complicated by its subjective nature and by implementing Agreement will take steps to assess the value of ongoing collaborative activities against processes.

### Recommended Practices

IEA Wind recently published Task 28's "Recommended Practices on social acceptance of wind energy projects".

## Contacts in the participating countries

Please choose a country to open the contact standard form (click on flag)



- > Swiss Federal Office of Energy: Wind Section (*Markus Geissmann*)
- > Swiss Wind Energy Association SuisseEole (*Reto Rigassi*)



- > Federal Ministry for the Environment, Nature Conservation and Nuclear Safety: Renewable Energy Technologies
- > Martin-Luther-University Halle-Wittenberg: Institute of Psychology (*Gundula Hübner*)
- > University of the "Saarland": Research Group for Environmental Psychology (*Jan Hildebrand*)



- > ENEA Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile
- > RSE Ricerca sul Sistema Energetico (*Cristina Cavicchioli, Silvia Beretta*)



- > Sustainable Energy Authority of Ireland: Renewable Energy Information Office (*Matthew Kennedy*)
- > Queen's University, Belfast (*Geraint Ellis*)



- > National Institute of Advanced Industrial Science and Technology
- > Nagoya University: Graduate School of Environmental Science (*Yasushi Maruyama*)
- > Central Research Institute of Electric Power Industry: Socio-Economic Research Center (*Kenshi Baba*)
- > Institute for Sustainable energy policies (*Tesunari Iida*)
- > University of Tokyo: Graduate School of Interdisciplinary Information Studies (*Memi Motosu*)



- > US Department of Energy, Energy Efficiency and Renewable Energy
- > National Renewable Energy Laboratory: National Wind Technology Centre (*Eric Lantz*)
- > Lawrence Berkeley National Laboratory (*Ben Hoen*)

## Task 28, Social Acceptance of Wind Energy Projects

### Search

Project/Publication

Institution

Author

Abstract

Find

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- ☐ 1 Definition of Social Acceptance
- ☐ 2 National Wind Energy Concepts

- ☐ 3 Stakeholders / target group
- ☐ 4 Distributional Justice

- ☐ 5 Procedural Design
- ☐ 6 Well-being

- ☐ 7 Implementation strategies

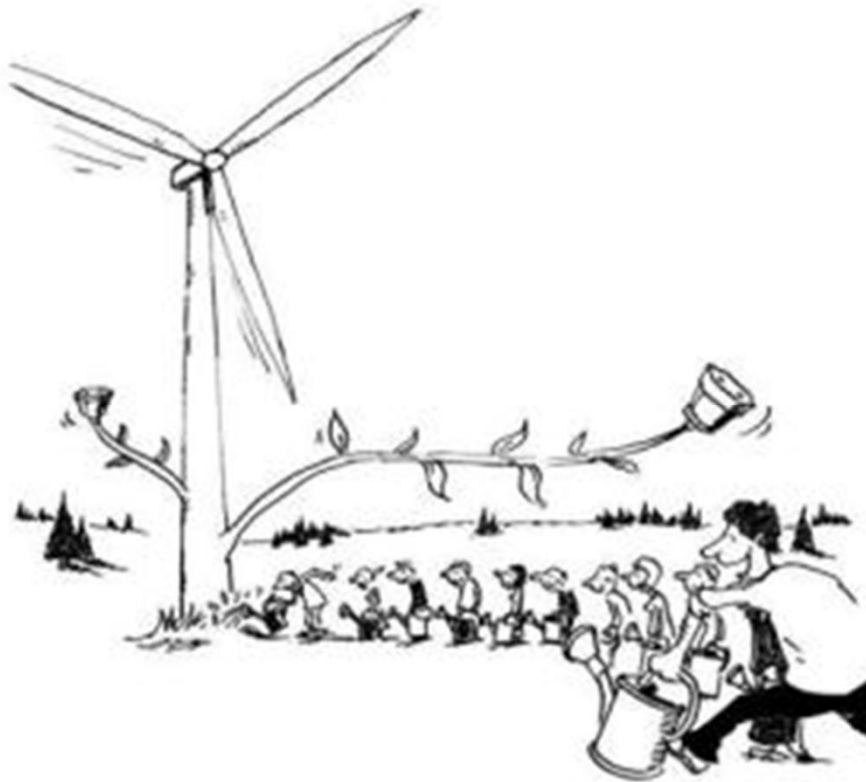
### List of projects/publications

Project/Publication	1	2	3	4	5	6	7	Institution	Author(s)	Year	Country	Language	Last Edit	Att.
<input checked="" type="checkbox"/> From landscape modeling to landscape design of wind farms: an integrated approach to sustainable RES development in Parma province, Italy	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RSE - Ricerca sul Sistema Energetico	Alessio Battistella / Matteo Jucker Riva / Stefano Maran	2012	Italy	english	10.05.2013	0
<input checked="" type="checkbox"/> Energia eolica e sviluppo locale	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	RSE - Ricerca sul Sistema Energetico	ART-Analisi e Ricerche Territoriali	2011	Italy	Italian	10.05.2013	0
<input checked="" type="checkbox"/> Barriers to renewable energy development: A case study of large-scale wind energy in Saskatchewan, Canada	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Energy Policy	Garrett Richards / Bram Noble / Ken Belcher	2012	Canada	English	14.11.2012	
<input checked="" type="checkbox"/> Wind power or uranium mine: Appraisal of two energy-related environmental changes in a local context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Energy Policy	Eja Pedersen / Maria Johansson	2012	Sweden	English	14.11.2012	
Locally manufactured wind									J. Leary / A.					

[www.socialacceptance.org](http://www.socialacceptance.org)

# positive intermediary+

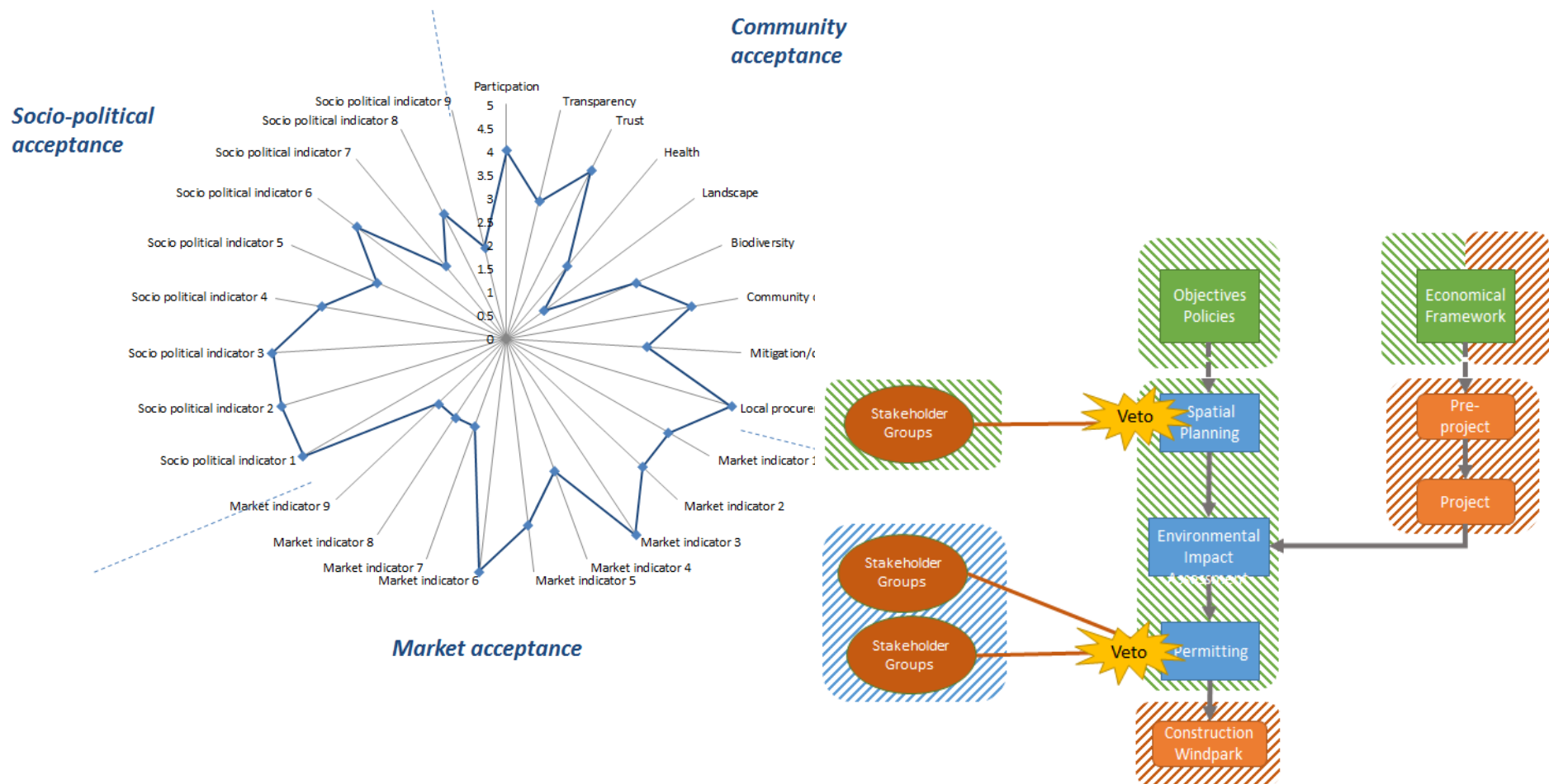
- ” Role models for mediation services in wind power projects





# % monitoring of acceptance+

” Indicators to describe the evolvement of acceptance



# Thank you!



Implementing Agreement for Co-operation in the Research, Development, and Deployment of Wind Energy Systems