



IEA R&D Wind
Task 28 Social Acceptance of Wind Energy Projects

**Mobilising Social Acceptance:
*Learning from
trans-national experience***

- IEA Wind Task 28
- The aspects of social acceptance
- Good examples
- Further material





IEA Wind Task 28

- **Work and results**

- Establishment of an international forum with interdisciplinary background: from (social) scientists to engineers, practitioners and administration
- Regular exchange, connected to national expert meetings; Topical Expert Meeting 2007, 2012
- Translate research results of social scientists into language of planners and engineers

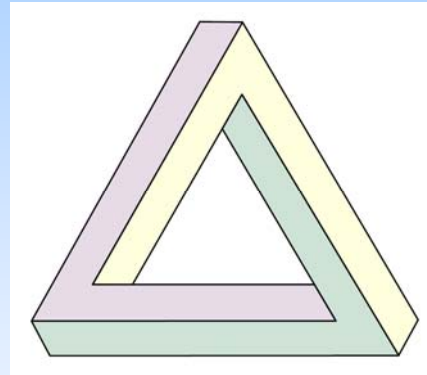




Dimensions of social Acceptance



**Socio-political
acceptance**



**Community
acceptance**

**Market
acceptance**



Issues of social acceptance

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





Good Practice

- Wind energy has new and different impacts on the landscape and people in the neighborhood



- People`s concerns have to be taken into account and their local knowledge should be used to improve the projects.
- There are successful strategies in many countries, in administration, communities, with project developers etc.
- **Cross-country, interdisciplinary exchange is useful!**
- **Dissemination in the various regions is necessary!**



Ecosystems and landscape

Enabling wind energy in forests – finding solutions for nature protection



Create “new landscapes”
- wind energy as an opportunity



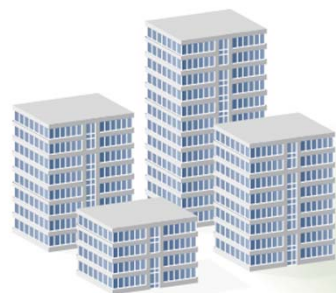


Distributional justice

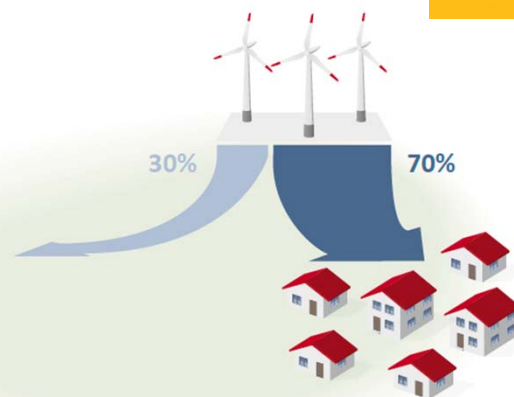
Renewable Legislation Act 2008 to support local action and to address distributional questions



Gewerbesteuerzerlegung



Sitz der Betreibergesellschaft



Standortgemeinde

Quelle: BWE, 2012

70% of the business tax to remain in the host communities of the wind farms



Procedural questions



Wind Turbine Secretariat:
support for municipalities

The screenshot shows the website of the Danish Environmental Agency (Miljøministeriet Naturstyrelsen). The main navigation bar includes 'NATUROPLEVELSER', 'VANDMILJØ', and 'NATURBESKYTTELSE'. A secondary navigation bar lists 'Det danske plansystem', 'Landsplanlægning', 'Planlægning i byer', 'Planlægning i det åbne land', and 'Digital planlægning'. The breadcrumb trail reads 'Hjem > ... > Vindmøller > Vindmøllesekreta...'. The main content area is titled 'Vindmøllesekretariatet' and features a large image of a wind farm. A left-hand menu lists various topics: 'Østerild: Nationalt testcenter for vindmøller', 'Kystnærhedszonen', 'Planlægning for landbrug', 'Landskabsinteresser', 'Landzonen', and 'Vindmøller' (which is expanded to show 'Cirkulære og vejledning om...').

Educating influential citizens and giving them the spotlight to teach themselves: public forums inform about the various aspects of wind energy – information that people can spread in their communities





Implementation strategies

Development of local support,
e.g. workshops



Generation of regional knowledge
and experience exchange





Further material

Recommended Practices for social acceptance of wind energy projects

August 2010
State-of-the-Art Report
IEA Wind Task 28
Social Acceptance of Wind Energy
Stefanie Huber, ENCO AG, Switzerland
Robert Horbaty, ENCO AG, Switzerland

May 2012
Final Report
IEA Wind Task 28
Social Acceptance of Wind Energy Projects
Stefanie Huber, ENCO AG, Switzerland
Robert Horbaty, ENCO AG, Switzerland

Task 28, Social Acceptance of Wind Energy Projects

Search

Project/Publication: Institution: Author: Abstract:

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.
Studi sull'accettabilità sociale dell'eolico ed elementi di supporto alla pianificazione	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ricerca Sistema Energetico	Cristina Cavicchioli / Gianmario Folini / Alessandro Scassellati Sforzolini	2011	Italy	italian	23.04.2012	0
THE DEVELOPMENT OF THE CODE OF CONDUCT FOR THE WIND POWER INDUSTRY IN SWEDEN	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PowerQuest	Tomas Söderlund	2010	Sweden	English	23.04.2012	
Exploring community acceptance of rural wind farms in Australia: a snapshot	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CSIRO Science into Society	Nina Hall / Peta Ashworth / Hylton Shaw	2012	Australia	English	03.04.2012	0
Wind Turbine Health Impact Study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Massachusetts Department of Environmental Protection	Jeffrey M. Ellenbogen / Sheryl Grace / Wendy J Heiger-Bernays	2012	USA	English	03.04.2012	0
Good Practice Wind Website Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good Practice Wind Website Project	Scottish Government	2009	Europe	English	03.04.2012	
Concerted Action - Renewable Energy Sources Directive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intelligent Energy Europe	European Energy Agencies	2009	Europe	English	03.04.2012	

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Overview

Large-scale wind deployment, social acceptance

Robert Horbaty,^{1*} Stefanie Huber^{2*} and Geraint Ellis^{3*}

The public is typically in agreement with the renewable energy targets established in many national states and generally supports the idea of increased reliance on





Conclusions

- The **importance of social acceptance issues** is increasingly recognised and implemented
 - Look at the local context, look for win-win-situations
 - Don't forget acceptance of transmission / infrastructure
- A lot of **research** is done – to be **translated into practice!**
 - Good examples, experience exchange
 - Checklists & guidelines
- **Open issues** that have not been tackled yet in-depth:
 - «Monitoring of social acceptance»
 - Strategies to turn affected people into involved parties
- **New issues** come up regularly that have to be discussed (species being endangered by wind power, repowering)



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Thank you for the attention!

