



**Task 28 within IEA R&D Wind:**

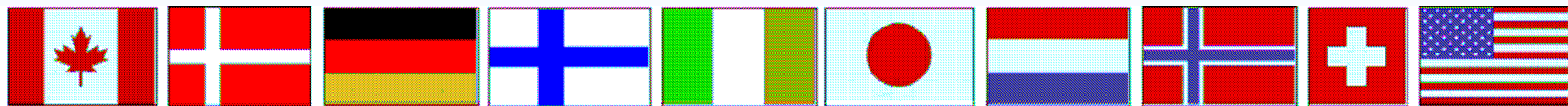
# **Social Acceptance of Wind Energy Projects**

**„Winning Hearts and Minds “**

**Side event @ EWEC 2010**

**Warsaw / Poland, April 21<sup>st</sup>**

*Robert Horbaty, Operating Agent  
ENCO Energie-Consulting AG, Switzerland*





# Welcome

- **IEA Wind Task 28 and its international working group welcome you to the first side event of this Task.**
- **Thanks to**
  - EWEC for enabling and sponsoring this side event.
  - all the ministries and institutions supporting the Task
  - working group members and speakers for their efforts
  - all delegates of national and international wind associations and organisations
  - all of you for underlining the importance of this issue for the whole wind industry by joining this event.
- **The event is dedicated to strategies to foster social acceptance and their discussion.**





# Introduction: Social Acceptance

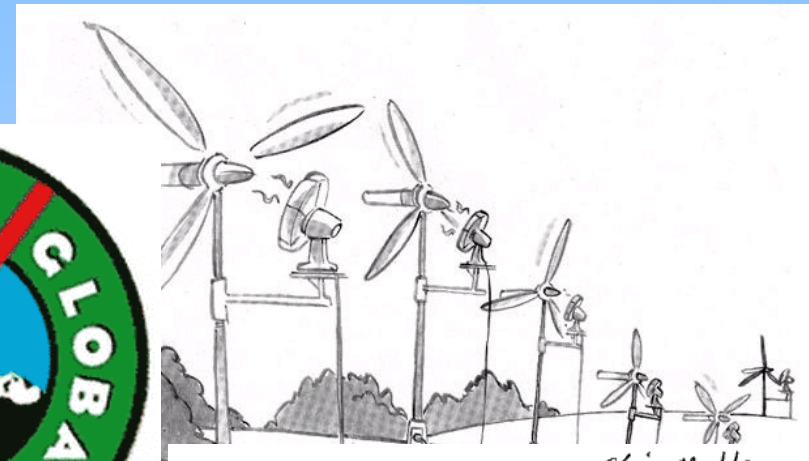
- **Support for wind energy in general**
  - Affirmations in opinion polls
  - Ambitious targets and supporting framework, also financial, in many countries
- **Projects meet with resistance**
  - Vivid debates, media-effective opposition
  - Various issues, such as landscape, health concerns, fear for birds, bats and ecosystems in general
  - Issues concerning costs and benefits and involvement in the planning and decision process, often in background
- **Learning for many decades**
  - Exchange of knowledge, implementation (“best practice”)



# Efficacy and economy



'The wind turbine provides all the power for the CCTV camera'



©ROGER WWW.KARIKATUR-CAR!



"As a commitment to the environment it comes with its own wind turbine."





# Crowded landscapes





# Wind turbines near dwellings





# Health and annoyance





# Birds & bats





# The opposition





# IEA Wind Task 28

- **International working group**
  - Exchange, collection of knowledge, discussion, dissemination ⇒ accelerate exploitation of full wind energy potential
  - Embedded into IEA Implementing Agreement for Co-operation in R&D of Wind Energy systems
  - Participating countries from Europe (7), North America (2) & Asia (Japan)
  - Experts from various disciplines (planners, engineers, sociologist, psychologists, environmental scientists...)  
⇒ **cross-country & interdisciplinary approach**



# IEA Wind Task 28

## State-of-the-Art

- State-of-the-Art-Report
- Networking
- Creation online library

## Best Practice

- Best-Practice Report
- Established Network
- Actual online library

## Dissemination

- International Seminar
- Publications
- Dialogue

- **Outcomes**

- Establishment of international forum
- Translation of research results of social scientists in language of planners and engineers
- Reports (State-of-the-Art, Best Practice)
- Tools, Guidelines, Seminars, Publications...





# IEA Wind Task 28



## Task 28, Social Acceptance of Wind Energy Projects

**Search** Find Reset

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.
<input checked="" type="checkbox"/> The Attitude towards On-land and Off-shore Power Generation – A Danish Perspective	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Royal Veterinary and Agricultural University	Jacob Ladenburg	2006	Denmark	English	12.10.2009	0
<input checked="" type="checkbox"/> Best Practices Guidelines in Australia	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Australien Wind Energy Association	Auswind	2006	Australia	english	08.10.2009	0
<input checked="" type="checkbox"/> Social Acceptance of Wind Energy Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	EPFL-CdM-CSI	Mary Jean Bürer / Christopher Tucci	2008	Switzerland	english	08.10.2009	0
<input checked="" type="checkbox"/> Code of Conduct für Windkraftprojekte	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pierre Strub, freischaffender Berater	Pierre Strub / Christine Ziegler	2008	Switzerland	german	08.10.2009	0
<input checked="" type="checkbox"/> Position on Setbacks for Large-Scale Wind Turbines in Rural Areas in Ontario	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Canadian Wind Energy Association	Canadian Wind Energy Association	2007	Canada	english	07.10.2009	0
<input checked="" type="checkbox"/> Public Perceptions of Wind Power Generation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Japan Society of Energy and Resources	Naoto Tagashira / Yasuko Senda	2009	Japan	Japanese	30.09.2009	0
<input checked="" type="checkbox"/> Diffusion Model of Renewable Energies Considering the Learning Effect and Environmental Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Journal of Japan Society of Energy and Resources	Susumu Uchida / Yoshiro Higano	2008	Japan	Japanese	30.09.2009	0

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

**Projectist**

**Trust and community: Exploring the meanings, contexts and dynamics of community renewable energy**

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

**Institution:** Energy Policy  
**Author(s):** Gordon Walker / Patrick Devine-Wright / Sue Hunter  
**Year:** in press  
**Country:** UK  
**Language:** English  
**Additional Info:**  
**Uploaded by:** Eric Lantz  
**Project is public:**

**Abstract**

Community renewable energy projects have recently been promoted and supported in the UK by government policy. A community approach, it is argued in the rhetoric of both government and grassroots activists will change the experience and outcomes of the energy sustainable technology implementation. In this paper, we consider how interpersonal and social trust is implicated in the different meanings given to community in RE programmes and projects, and in the qualities and outcomes that are implied or assumed by taking a community approach. We examine how these meanings play out in examples of projects on the ground, focusing on two contrasting cases in which the relationships between those involved locally have exhibited different patterns of cohesiveness and fracture. We argue that trust does have a necessary part to play in the contingencies and dynamics of community RE projects and in the outcomes they can achieve. Trust between local people and groups that take projects forward is part of the package of conditions which can help projects work. Whilst trust may therefore be functional for the development of community RE and potentially can be enhanced by the adoption of a community approach, this cannot be either assured or assumed under the wide diversity of contexts, conditions and arrangements under which community RE is being pursued and practiced.

Documents	Filesize	Uploaddate
Walker_Devine-Wright 2009.pdf	226 KB	23.10.2009

## Web database:

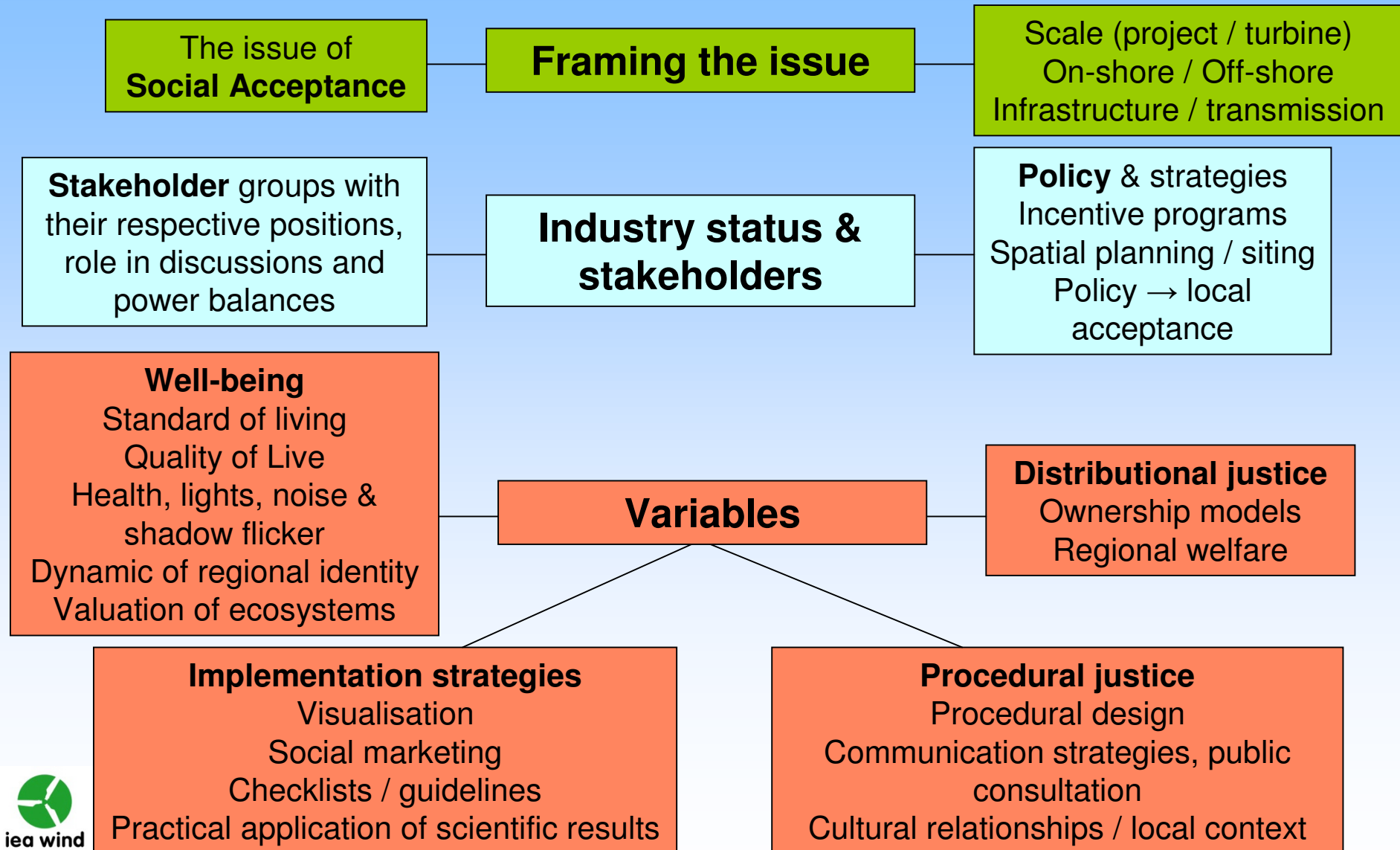
142 entries, >16 countries, 6 languages

79 available to the public





# Overview





# Stakeholders

- **Complex framework**

## Market acceptance

Utilities

Grid owners / operators

Developers

Financial institutions

## Institutional acceptance

National administration

State / regional administration

## Community acceptance

Indigenous residents

"Neo-rurals"

Local landowners

Local Administration / authorities

Visitors / tourists

## General acceptance

National NGO`s

Local NGO`s

Opinion makers

Policy makers

General opinion

Experts

Media

Educators





## Side event @ EWEC 2010

- **IEA Wind Task 28 aims** at assisting
  - countries to reach their ambitious renewable energy goals
  - the industry to get their wind parks built.
- To deliver ideal results, we need the **input of various stakeholders.**
  - The side event shall mark the start of a dialogue between IEA Wind Task 28 and the interested public.
  - In Part II, you will be able to speak their opinion.
  - Your input will be integrated in the next steps in the work of IEA Wind Task 28.





# Program

**09.00**      **Opening and Introduction**

**09.15 – 10.25**      **Speakers**

*Joachim Holten Palvig (DK) / Lene Nielsen (DK)*

*Jacob Ladenburg / Lene Nielsen (DK)*

*Gundula Hübner (DE)*

*Claudia Grotz (DE)*

**10.30 – 11.00**      **Break**

**11.00 – 11.40**      **Speakers**

*Jan Zoellner (DE)*

*Andrea Meyer (DE)*

**11.40 – 12.00**      **Panel discussion**

**12.00 – 12.40**      **Reception**





# Program

## **9.15 Danish Wind Turbine Secretariat – an Important Initiative to Assist Municipalities**

*Joachim Holten Palvig* (DK), Wind Turbine Secretariat

## **9.30 Preferences for Reducing Visual Disamenities from Offshore Wind Farms and Wind Farm Experience – What can We Learn?**

*Jacob Ladenburg* (DK), Senior Research Fellow at the Danish Institute of Governmental Research /

*Lene Nielsen* (DK), private consultant





# Program

## **9.45 Impact of Aircraft Obstruction Markings to Neighbors**

*Gundula Hübner* (DE), researcher at the Martin-Luther-University Halle-Wittenberg

## **10.00 German Experience with Acceptance of Wind Energy in the View of the Wind Industry**

*Claudia Grotz* (DE), German Wind Industry Association (BWE), director of the policy and public relations department





# Program

## **11.00 Public Acceptance of Wind Turbines along Infrastructural Traces**

*Jan Zoellner* (DE), researcher at the Otto-von-Guericke-  
University Magdeburg

## **11.20 German Federal Funding for General Research on Renewables**

*Andrea Meyer* (DE), Federal Ministry for the  
Environment, Nature Conservation and Nuclear Safety



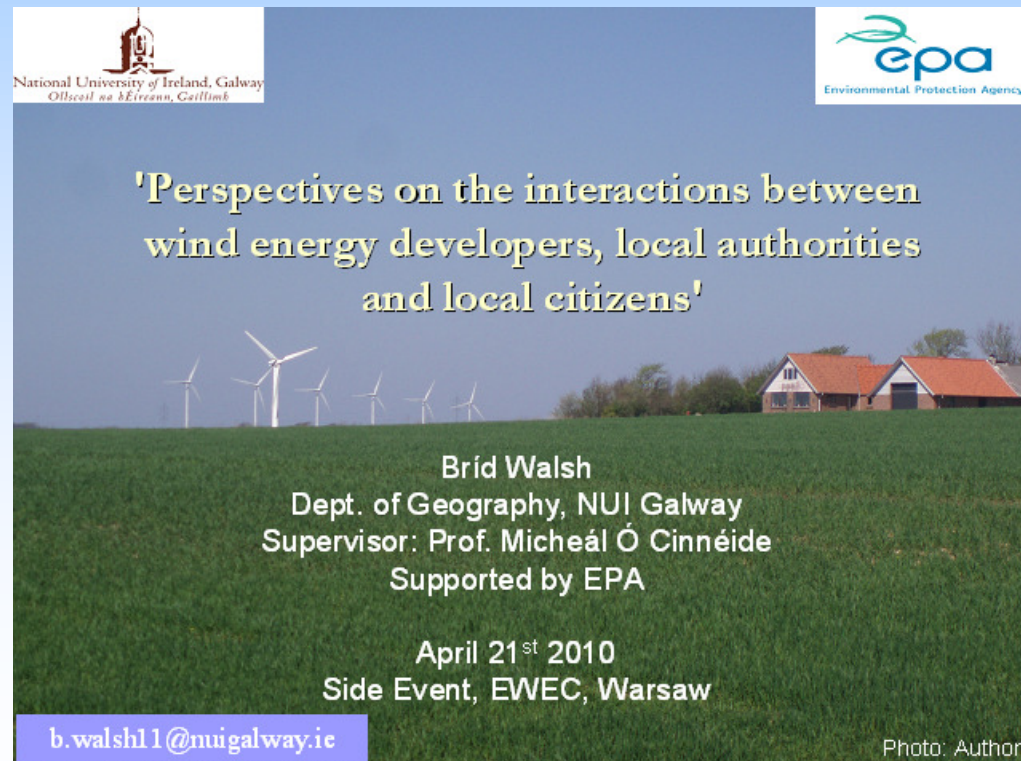


# Available presentations

## On the Interactions between Developers, Local Authorities and Local Citizens

*Brid Walsh* (IE), researcher at the National University of Ireland, Department of Geography

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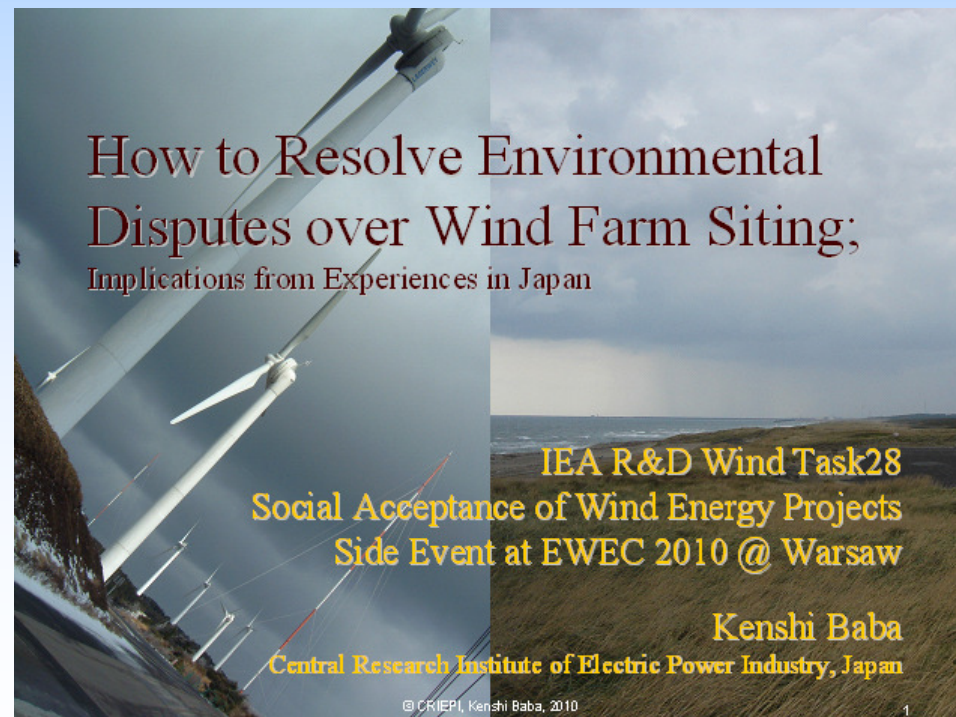




# Available presentations

## How to Resolve Environmental Disputes over Wind Farm Siting; Implications from Experiences in Japan

*Kenshi Baba* (JP), research scientist at the Central Research Institute of Electric Power Industry, Socio-Economic Research Center



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



# Side event @ EWEC 2010

- **Reception**
  - offered by IEA Wind Task 28 and the supporting institutions
  - working group members will be present





***Thank you for your attention!***

**Operating agent IEA Wind Task 28:**

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