

Task 28

Social Acceptance of wind energy



Picture from the "Italian expert day" in March 2014, Milano

UK expert meeting

May 19th 2014

Narec

Blyth, UK



Welcome!

- First Task 28 encounter in UK
- Social Acceptance seems to be a big issue, but connections never worked out more deeply so far
- Thank you for coming – even on short notice!



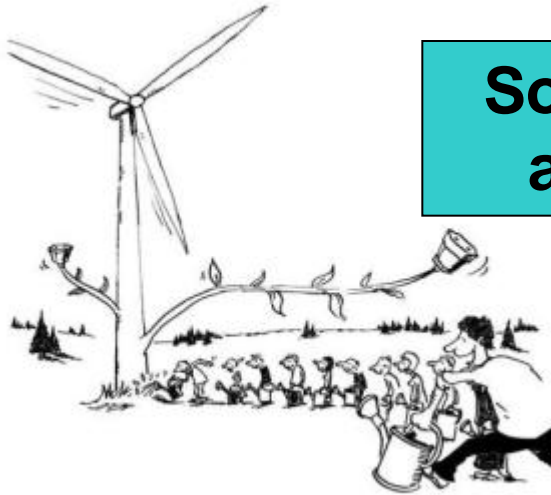
Programme

- Welcome and introduction, Task 28 (Markus Geissmann)
- Relevance of social acceptance / Task 28 for UK/Ireland (all)
- Presentation from participants (Jean, David, Keelan, Ben)
- Presentation of “positive intermediary” discussion of Task 28 (Markus Geissmann)
- Discussion
- Outlook

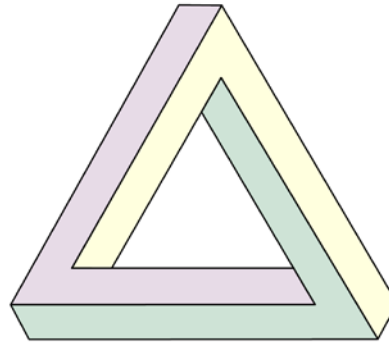
End around 5 pm (?)

Remarks, questions, additions?

“Social acceptance of wind energy projects”



**Socio-political
acceptance**



**Community
acceptance**

**Market
acceptance**



“Social acceptance of wind energy projects”

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



Task 28



Current members:

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



IEA Wind Task 28

Work Package 1: Topical discussions

- In-depth discussion of one or two issues per meeting

Work Package 2: State-of-the-Art / Recommendations / Technical documents

- Updates of web database of social acceptance projects
- Development of fact sheets or summaries on topics discussed in-depth

Work Package 3: Dissemination / exchange

- Working group meetings, national expert meetings, Topical Expert Meeting
- Reports to IEA Wind, Annual reports, Final report
- Publications in industry journals, branch magazines; conference talks

2012

2013

2014

2015

Topical Expert Meeting
National expert Meeting

Switzerland

Web meeting

Web meeting

Working Group Meeting
National Expert Meeting

Japan

Web meeting

Web meeting

Working Group Meeting
National Expert Meeting

Italy

evtl. add. Expert Meeting i

Web meeting

Web meeting

Working Group Meeting
Conference / expert meeting

web meeting

Final reporting

National expert meetings

- Boulder, US (autumn 2009)
- Galway, Ireland (autumn 2010)
- Amsterdam, the Netherlands (spring 2011)
- Trondheim, Norway (autumn 2011)
- Biel, Switzerland (summer 2012)
- Tokyo, Japan (summer 2013)
- Milano, Italy (spring 2014)
- *Blyth, UK (spring 2014)*
- Regular German meetings



Reports and publications

Recommended Practices for social acceptance of wind energy projects

Overview

Large-scale wind deployment, social acceptance

Stefanie Huber^{2*} and Geraint Ellis^{3*}

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

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



IEA R&D Wind Task 11 - Topical Expert Meeting

"Social Acceptance of Wind Energy Projects"

Hotel Elite

Rue de la Gare, Rue de la Gare 14, 2501 Biel, Switzerland

June 14th to 16th, 2012



Photo: Alber/Jansen (The Netherlands)



Organized by:

ENCO Energie-Consulting AG, Switzerland.



Scientific Co-ordination:

Pérez Ariza Aranda

CENER (Centro Nacional de Energías Renovables)

Univ. La Florida C/ Serrano 7-9, 1^a

28002 - Madrid - Spain

Living with a wind farm

The public acceptance issue

September 2011
Volume 30/Nº 4

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Website



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

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 its 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 Cavvicchioli, 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

Reset

- ☐ 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.
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
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
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	
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	Swedem	English	14.11.2012	
Locally manufactured wind									J. Leary / A.					



Department of Energy, Communications and Natural Resources
Commission for Energy Regulation
Sustainable Energy Authority of Ireland
Irish Wind Energy Association
Windfarmers' Co-Op
National Offshore Wind Energy Association
Transmission System Operator
Monaghan Model - Best Practice Guide to Community Consultation



RSE Ricerca Sistema Energetico
Italian National Agency for New Technologies, Energy and sustainable Economic Development (ENEA)

Good practice

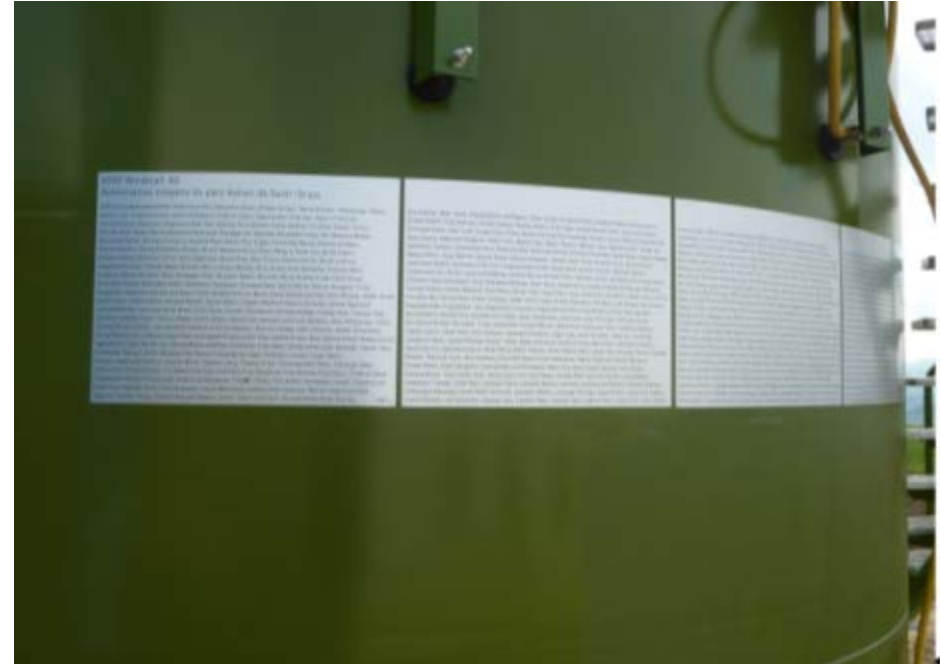
- Wind energy has new and different impacts on the landscape and people in the neighborhood



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



“essence”



Idea of name inscription copied in Switzerland from Japan

“We have doubled the value of knowledge
by sharing”

Yasushi Maruyama, Japanese Task 28 Representative



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Idea of this meeting

- Enable experts in the field of wind power acceptance to exchange on the issue and to link participants for future projects
- Discuss further collaboration of Task 28 with UK experts
- Present the current work of task 28 and get further input
- Invitees:
 - ExCo members from UK and Ireland
 - Wind power associations (Renewable UK, IWEA, EWEA)
 - Various researchers in the field of acceptance of renew.
 - Experts, amongst other consultants
 - Wind power projects (e.g. Supergen)
 - NGO`s and renewable energy associations (e.g. Community Energy Scotland...)