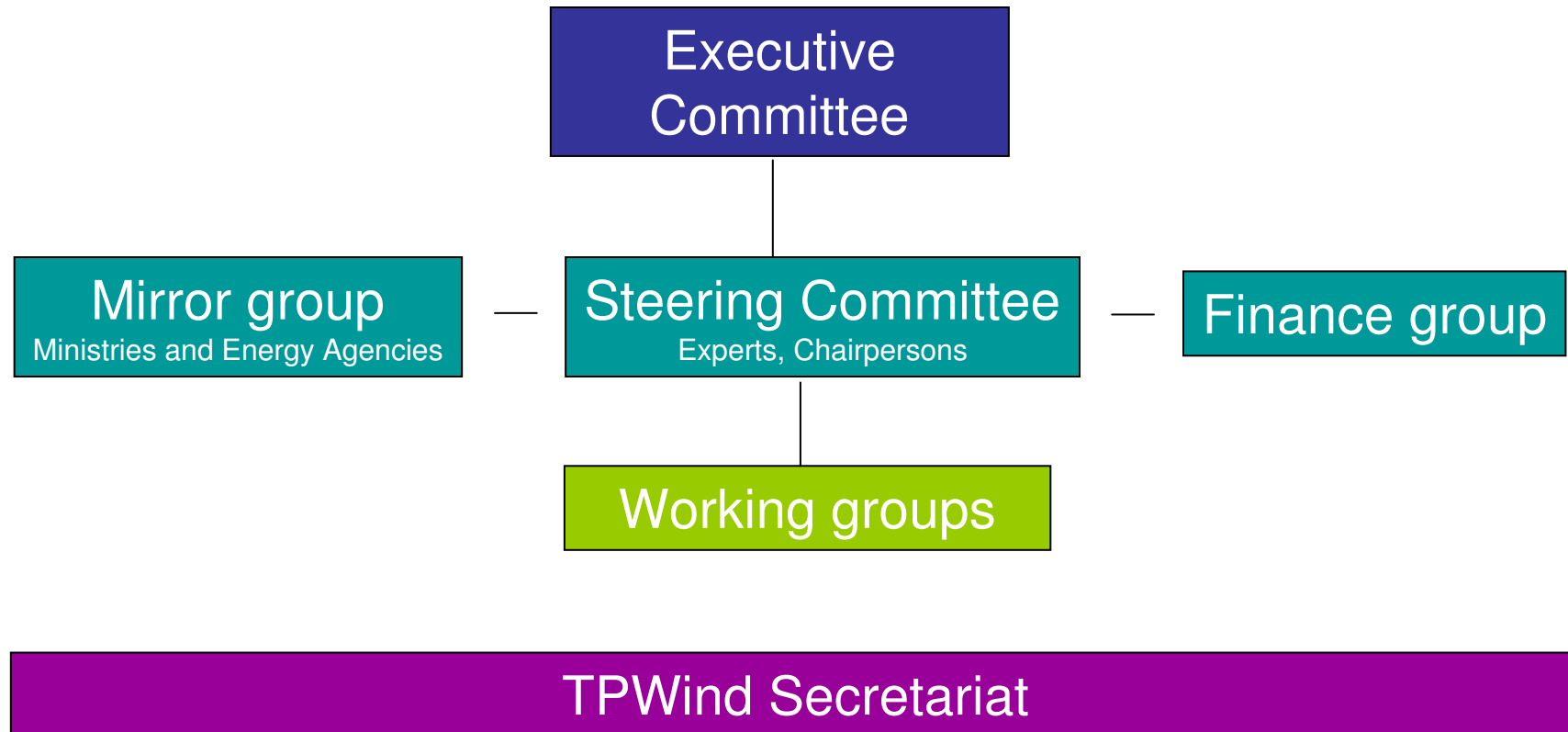


# EWEC2009

## TPWind Mirror Group: Presentation and Next Steps

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MSMG Chairperson

# European Wind Energy Technology Platform




## Structure of the Mirror Group

- ❑ 2 June 2008, Brussels
  
- ❑ The Terms of Reference were approved by the ExCo 29 January 2009
  
- ❑ ~16 active member states,
  - From ministries or energy agencies
  
- ❑ Chairperson
  - Sweden; Susanna Widstrand, STEM
  
- ❑ 3 Vice-Chairpersons
  - Spain; Marian Ferres, Ministerio de Educacion y Ciencia
  - Netherlands; Imar Doornbos, Ministry of Economic Affairs
  - Germany; Joachim Nick-Leptin, BMU

## Mirror Group Terms of Reference-approved 29/1 2009

### □ Reformulated ToR;

- Co-operation
- Co-ordination
  - identifying knowledge gaps
  - strategy approaches
  - exchange of information
- Communication with all stakeholders
- Mirror group  TPWind and EC
- The non-EU member states can become members

## Some Tasks of the Mirror Group

- ❑ The Mirror Group is the contact channel and sparring partner to TPWind and EC. The Mirror Group will work both in parallel and with the other working groups.
- ❑ Collaborate with other Mirror Groups of different Technology Platforms. To save time and avoid duplication.
- ❑ Ensure transparency on the ongoing actions and programmes at Member States level.
- ❑ Update and inform on ongoing programmes and projects at EU level.
- ❑ Provide opportunity to tailor national R&D activities to complement EU activities, and vice versa, and to develop synergies and reinforce basic research.
- ❑ Create opportunity for Member States to co-ordinate and co-operate activities.
- ❑ Be the information body between TPWind and Member States.

## TPWind-Programme

- ❑ Phase 1: Emergence and setting up:
  - Stakeholder were brought together
- ❑ Phase 2: Definition of a Strategic Research Agenda (SRA) a Market Deployment Strategy (MDS)
  - Finished July 2008
- ❑ Phase 3: Implementation of the SRA:
  - Document: Implementation Plan of the SRA/MDS,
    - Developed by the Secretariat on the basis of the results of the 3rd GA.
    - 45 projects; some are addressed to the Mirror group

## Concrete measures for an efficient implementation of SRA & MDS actions

Table 1: Co-ordination of R&D programmes

*moderator: Marian Ferre, vice-chairperson*

Table 2: Feasibility of implementing MDS policy  
recommendations on grid integration

*moderator: Imar Doornbos, vice-chairperson*

Table 3: Feasibility of implementing MDS policy  
recommendations on environmental issues

*moderator: Joachim Nick-Leptin, vice-chairperson*

# Monitoring Tool

- The aim of the tool is to monitor the current activities taking place at Member States level, for each issue identified by the TPWind SRA and MDS documents.
- This tool is designed to provide a quick overview of potential synergies between the R&D programmes, and/or the priority areas not covered in Europe, and needing specific attention.

Section		Sub section (1=fully covers the issue, 2=partly covers the issue, 0=do not cover the issue or no information)	Sweden
<b>Wind conditions</b>			<b>2</b>
Wind conditions	Sitting in complex terrains		<b>X</b>
Wind conditions	Offshore meteorology		<b>X</b>
Wind conditions	Wakes		<b>X</b>
Wind conditions	Extreme wind speeds		
Wind conditions	Wind profiles at great heights		<b>X</b>
Wind conditions	Short-term prediction		
<b>Wind power systems</b>			<b>2</b>
Wind power systems	Wind turbine as a flow device		<b>X</b>
Wind power systems	Wind turbine as a mechanical structure/materials		
Wind power systems	Wind turbine as an electricity plant		<b>X</b>
Wind power systems	Wind turbine as a control system		<b>X</b>
Wind power systems	Innovative concepts and integrated designs		
Wind power systems	Operation and maintenance		<b>X</b>
Wind power systems	Standards		<b>X</b>
<b>Wind energy integration</b>			<b>1</b>
Wind energy integration	Wind power plant capabilities		<b>X</b>
Wind energy integration	Grid planning and operation		<b>X</b>



## Next Steps

- More contact with other Mirror groups.
- Workshops (outcome- *recommendations of actions*).
- Prepare a document on national Technology Platforms and a way of supporting such platforms in countries that don't already have one.
- Implementation plan - Mirror Group.
- Up-date the Monitoring tool.
- Proposal of closer collaboration between Mirror Group and working groups at the General meetings.
- Continuing the co-ordination of R&D programme.
- Defining the role of the Mirror Group for grid issues.