



II Asamblea General



European Wind Energy Technology Platform

Mauro Villanueva Monzón

Miembro Steering Committee TPWind
Chairman Finance Working Group TPWind
Miembro Organo Gestor REOLTEC

Overall objectives of TPWind

Focused on COST REDUCTIONS, through:

☐ Scoping sector innovation and R&D needs

- R&D  SET- Plan, FP7, other EU and National plans

☐ A single, powerful voice for R&D

- EU, Member States, industry, other energy sector, R&D institutions and financiers

☐ Maximal sector sensitivity. Better communication

- Within the wind sector & externally (other industry sectors & technology platforms)

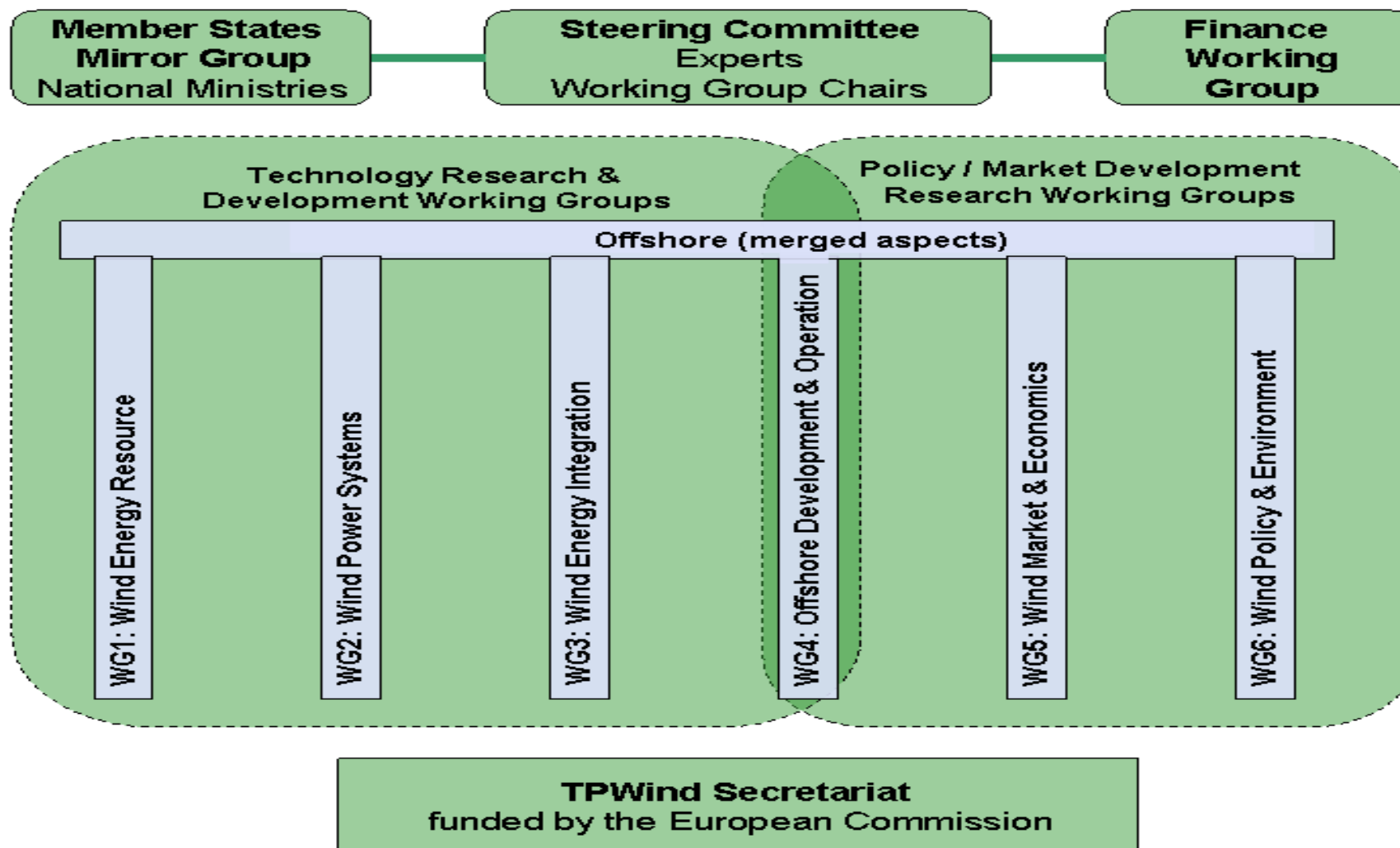
☐ “Docking station”

Monitor ongoing initiatives (EC/ other EU & national)	Strengthen the ERA 	Assess and monitor ongoing and new research projects
--	---	--

☐ Effective Action Plans, for technology and policy

- Strategic Research Agenda (SRA) & Socio-economic Market Development Strategy (MDS)

TPWind Structure



Structure – Steering Committee

- Decision-making body and executive arm
 - Directs all activities
 - Defines roles, responsibilities & operations
 - Compliance with Platform mission & activities
 - Approval and launch of activities (objectives, timing, scope)
 - Follow-up activities and approval of deliverables
 - Final assessment of Strategic Research Agenda (SRA) and Market Development Strategy (MDS).
- Supported by the Secretariat



Steering Committee membership

- It is currently composed of 23 members (75% from industry and 25% from academic institutions):
 - Wind turbine manufacturers (5)
 - Major sub-suppliers: component manufacturers, installation companies (3)
 - Wind farm developers and operators (5)
 - R&D and academic institutions (6)
 - Consultancy and engineering companies (1)
 - Service providers: certification, testing, data services (1)
 - Energy association (1)
 - Honorary Member: Arthouros Zervos (President of EWEA)

Steering Committee membership

Name	First Name	Institution
Beurskens	Jos	ECN
Borri	Claudio	CRIACIV at Universita di Firenze
Buddenberg	Joerg	EWE AG
Chaviaropoulos	Takis	CRES
Flamang	Peter	Hansen Transmissions International
Gertmar	Lars	ABB (Core Wind Team/ Tech team)
Hessel	Christoph	GE Wind
Hohmeyer	Olav	Flensburg University
Kariniotakis	George	Ecole des Mines de Paris
Kruse	Henning	Siemens
MacAskill	Allan	Talisman Energy (UK) Ltd
Nath	Christian	Germanischer Lloyd Industrial Services, Wind Energy
Nielsen	Frank	LM
Petersen	Erik Lundtang	Risoe National Laboratory
Prats	Josep	Ecotecnia
Quarton	David	Garrad Hassan
Raftery	Peter	Airtricity
Santamaria	Angeles	Iberdrola
Skarzynski	Grzegorz	Polish Wind Energy Association
Stroem Madsen	Finn	Vestas
Thor	Sven-Erik	Vattenfall
Villanueva-Monzón	Mauro	Gamesa

+ HONORARY MEMBER: Arthouros Zervos, President, European Wind Energy Association.



Executive Committee membership

- 5 Representatives elected from the Steering Committee

Status	Name	First Name	Institution
Chairperson	Kruse	Henning	Siemens
Vice-Chairperson	Angeles	Santamaria	Iberdrola
Vice-Chairperson	Chaviaropoulos	Takis	CRES
Alternate	Nath	Christian	Germanischer Lloyd Industrial Services, Wind Energy
Alternate	Prats	Josep	Ecotecnia

Structure – Member States Mirror Group

- Relevant ministries and Member State Energy agencies.
 - Already five Member States: NL, UK, SW, DK and D.
- Opportunity
 - to tailor member state & regional R&D activities to complement EU's, and viceversa, and to develop synergies.
 - to collaborate in pushing forward some short-term operational issues related to wind energy.

Structure – Finance Working Group

- Explore opportunities for funding research activities
 - Assess current R&D funding available from various support programmes & the gap with Wind Energy R&D investment needs.
 - Foster a more intense sectorwide collaborative R&D activity.
 - Evaluate new sources of R&D financing from public (Structural Funds, Risk-Sharing Finance Facility, EIB i2i programme...) and private sectors (venture capital, etc.)
 - Propose new R&D financing instruments.
- Evaluate and, if decided so, pursue the launch of a Joint Technology Initiative (JTI).

Structure – Working Groups

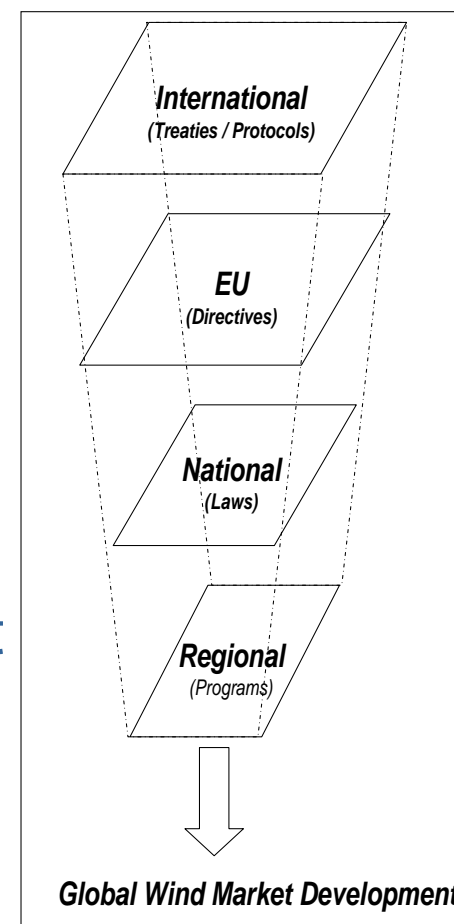
- Define research roadmaps towards cost reductions
- Address issues related to accelerated and radical innovation oriented R&D
- Technology/ Research & Development Working Groups:
 - Strategic Research Agenda (SRA)
 - *clear picture of priorities, tasks and actors for technology development*
- Policy/ Market Development Working Groups:
 - Market Development Strategy (MDS)
 - *clear picture of priorities, tasks and actors in terms of market development*

Technology R&D Working Groups

- *Working Group 1: Wind Energy Resource*
- *Working Group 2: Wind Power Systems*
- *Working Group 3: Wind Energy Integration*
- *Working Group 4: Offshore Development and Operation*

Policy / Market Development Research Working Groups

- Working Group 5: Wind Market & Economics
 - *Selling / Implementing Wind Turbines*
 - *Certification*
 - *Payment mechanisms*
 - *Supply chain optimisation*
 - *Project Financing*
 - *Transporting / Selling / Consuming electricity*
 - *Grid policies / grid planning / grid codes*
 - *Electricity markets (certificates)*
- Working Group 6: Wind Policy & Environment
 - *Policy “downscaling”*
 - *EIA*
 - *Life cycle*
 - *Social acceptance*

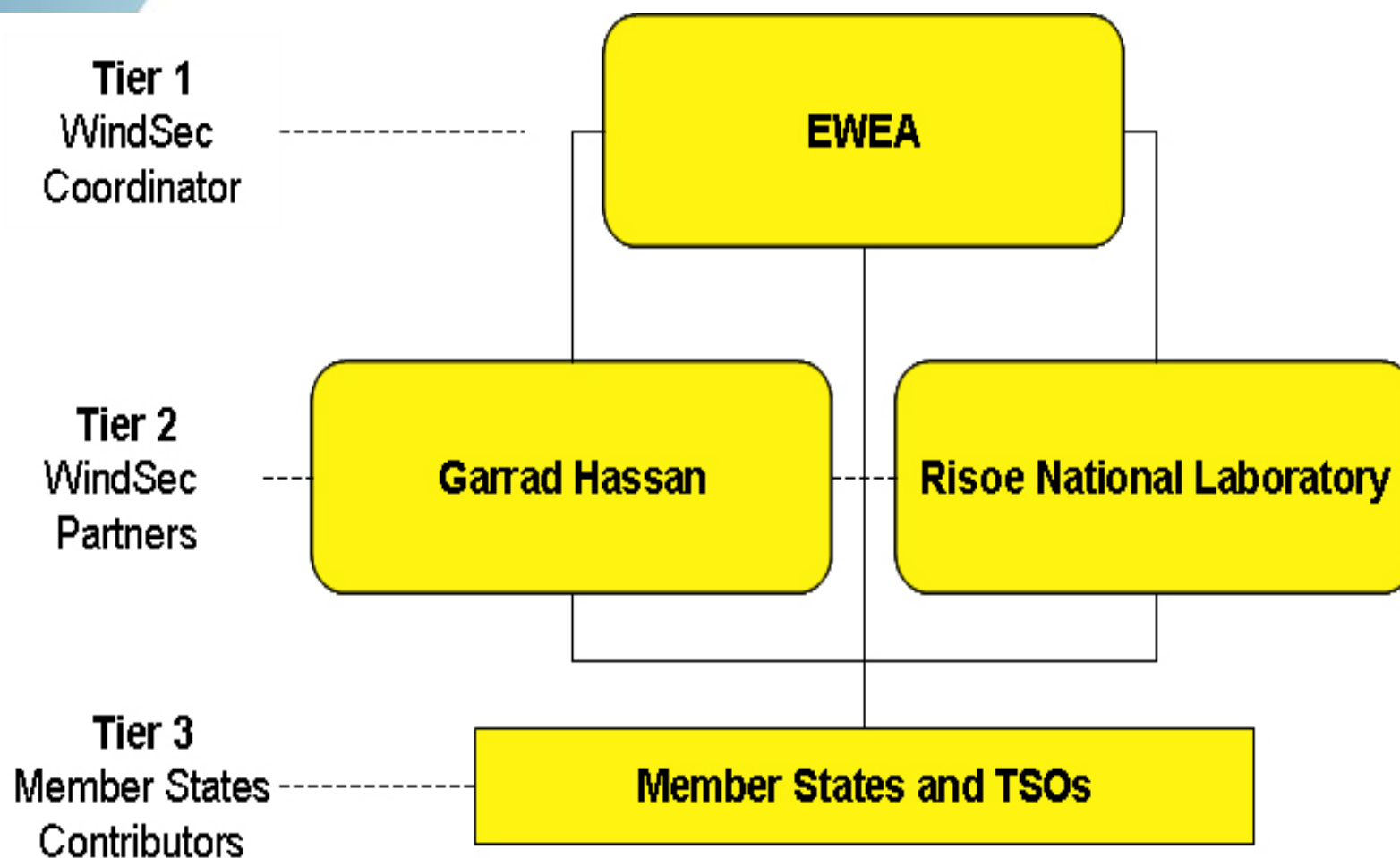


Chairmanship Working Groups

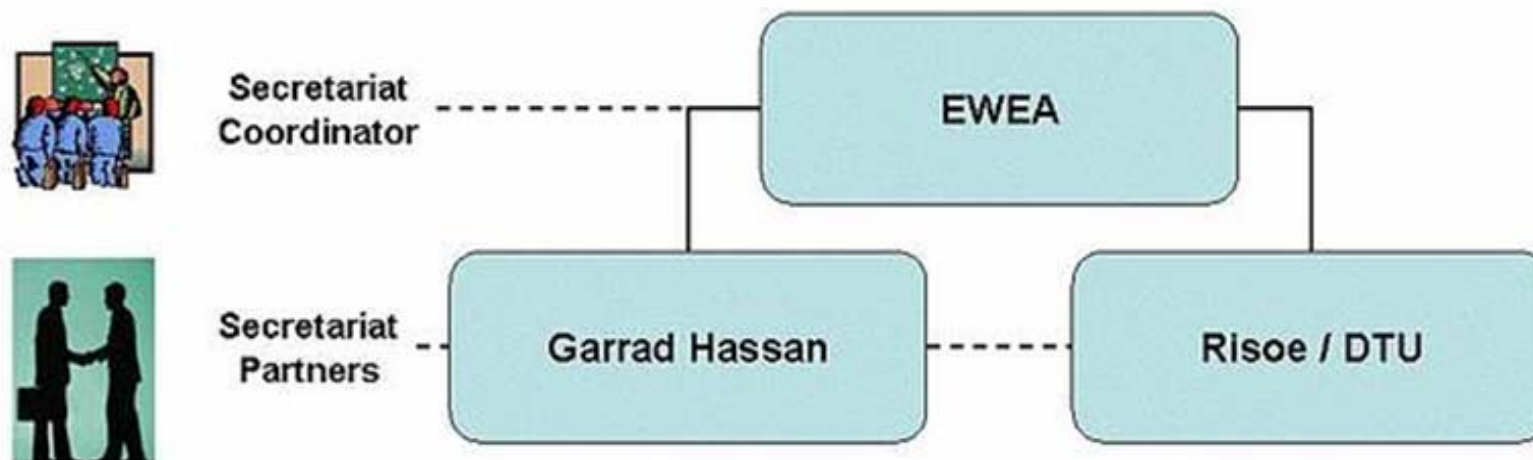
Working Group	Name	Institute
WG1 : Wind Energy Resource	E. Petersen	Risoe / DTU
WG2 : Wind Power Systems	J. Beurskens	ECN
WG3 : Wind Energy Integration	J. Buddenberg (Temporary)	EWE AG
WG4 : Offshore Deployment & Operations	A. MacAskill	Talisman
WG5: Wind Market & Economics	A. Santamaria (Temporary)	Iberdrola
WG6: Wind Policy & Environment	A. Zervos	NTUA

R&D Finance	M. Villanueva-Monzón	GAMESA
------------------------	-----------------------------	---------------

Structure – Secretariat



Structure – Secretariat



EWEA is the Coordinator of the Secretariat. It is responsible for the organisational and logistical support of the Technology Platform. It performs Communication and Information dissemination.

Garrad Hassan is responsible for support to the Market Development Working Groups.

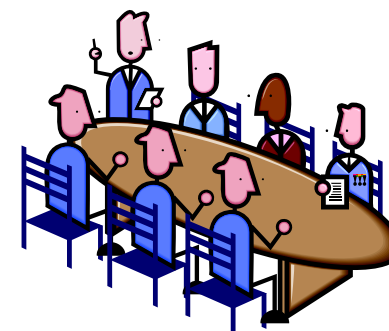
Risoe is responsible for support to the Technology Working Groups.

Partners



Key Deliverables

- Strategic Research Agenda (SRA) to cover technology issues
- Socio-economic Market Development Strategy (MDS), to cover policy and market development, including short-term operational measures
- Envisaged annual meetings foreseen:
 - **Two General Assemblies (all TPWind members)**
 - All Groups in parallel
 - Venue: Brussels



Activities

- Deadline for Expressions of Interest for participating in Working Groups: Sept. 16th
- Number of applications: 300
- Selection based on objective criteria, proposed by Secretariat and validated by the Working Group Chairs, the ExCo and the Steering Committee
- First General Assembly: **November 13-14th in Brussels**

Thank you for your attention



**European Wind Energy
Technology Platform**

<http://www.windplatform.eu/>

secretariat@windplatform.eu