



From Roadmaps to Implementation

Summary

Experts' Group on R&D Priority Setting and Evaluation
2 & 3 November 2009



Objective

The IEA Experts' Group on Priority Setting and Evaluation, and the IEA convened this workshop to focus on the recently released IEA Technology Roadmaps and proposed ideas for an international low-carbon energy technology platform.

- We want to identify opportunities to accelerate technology development and deployment.
- The workshop will build upon the Group's previous workshops on roadmapping, and approaches and strategies for enhancing International technology collaboration.
- The results and recommendations will support CERT, and IEA analysis in support of the G-8, MEF and Framework Convention.



Elements of the workshop

I. ROADMAPS: STATUS AND PROSPECTS

Session Chair:

IEA International Low-carbon Energy Technology Platform	<i>Ambassador Jones, Deputy Executive Director International Energy Agency</i>
IEA Energy Technology Roadmaps and R&D Mapping	<i>Peter Taylor, Head, Energy Technology Policy International Energy Agency</i>
Costs of Implementation: SET-Plan Portfolio of Technology Roadmaps	<i>Estathios Peteves, Head of Unit, DG JRC European Commission</i>

- G8/MEF/Ministerial Board assignment
- Overall goal: Low carbon technology
- Roadmaps to achieve the Blue scenario
- Roadmaps to compare/discuss regional roadmaps
- EU roadmap as example of fit / next step to realization



Elements of the workshop

II. DETAILED ROADMAP EXPLORATION: THE WIND EXAMPLE

Session Chair: Birte-Holst Jorgensen, Director, Nordic Energy Council

IEA Wind Roadmap as a Representative Example	<i>Paolo Frankl, Head, Renewable Energies and Technologies International Energy Agency</i>
Perspective from Wind Energy Systems Implementing Agreement	<i>Hugo Chandler, Analyst, Renewable Energies and Technologies, International Energy Agency</i>
Global View of Wind Technology RD&D: Status and Plans for Adoption	<i>Steve Sawyer, Secretary General Global Wind Energy Council</i>
Wind Technology RD&D and Roadmap Implementation	<i>Filippo Gagliardi, TPWind Project Manager European Wind Energy Association</i>

- Insight in wind roadmap
- Build on/feed into work of IAs: good fit, but collaboration necessary on crosscutting issues to avoid gaps/overlaps. (Wind/Grids)
- Translation to market: mature industry, clear technical issues (grid/off shore)



Elements of the workshop

Experiences with Wind Roadmaps

Strategic Research Agenda and Roadmaps in Denmark: the Wind Example

Mr. Per Dannemand Andersen and Lykke Margot Ricard, Technical University of Denmark

Grid Issues with Offshore Wind Parks in the Netherlands

Frank Witte, Manager, EOS Research Senternovem

Heading Offshore - Targets, Means, Status: Outlook on Germany's

Michael Durstewitz, R&D Coordination Alpha Ventus Fraunhofer Institute



Key messages/challenges from the workshop

Roadmaps a promising strategic tool to accelerate low carbon technology development:

- ◆ Communication about the key challenges, targets to be set, actions to be made and milestones to reach
- ◆ Coordination of view points from diverse stakeholders
- ◆ Cooperation across private and public sector absolutely necessary
- ◆ Consensus to be reached – robust roadmaps are flexible, living documents
- ◆ Commitment to start walk the talk.



Reflections

● Bob Marlay

- ◆ Leadership IEA and the tasks given by G8/MEF
- ◆ Excellent wind roadmap as part of global roadmap effort, necessarily limited in detail: regional/national RMs will have to go into more details.
- ◆ Identify specific actions & milestones – WHO?
- ◆ Results maybe (to) low, strive for more (ETP2008).
- ◆ Public support is essential: what do we pay for, but also what are the benefits.



Gaps

- More data on R&D:
 - ◆ Investments both private / public – quality over quantity
 - ◆ Insight in ROI / technology
 - ◆ Knowledge sharing
 - ◆ International collaboration
- Toolbox on combining roadmaps
- Deployment of technology incl. translation to regional roadmaps
- Collaboration developing & BRICS countries.
- (Specific wind topics for IA Wind)
- Contribution of new institutions (IRENA, IPEEC) and control the other 25% GHG (OECD)



Next steps

- Tomorrow: discuss conclusion in more detail with EGRD members - new members welcome
- Discuss upcoming work.
- Write a summary for CERT, taking in account the presentations, notes, input from the delegates on specific facts.
- Send all of you the results.



Thank you

- Well-prepared presentations
- Excellent input – will develop further
- Lively discussions
- Birte, Roberto, Paulo & Robert chairing
- Carrie for joining the expert group at full speed.



Until next time

