

REFERENCE	
Title:	Technology Roadmap-Wind Energy
Date:	2013
Author:	International Energy Agency
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Hard copy reference:	
URL:	http://www.iea.org/publications/freepublications/publication/Wind_2013_Roadmap.pdf
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Web Format:	pdf
IEA topics covered	Wind Energy
Geographical focus:	Global
Brief Abstract:	This roadmap provides an update to previous roadmaps, showing the progress made within the industry, and the barriers that remain to be overcome.

OUTPUTS	
Short Report?	No
Major report?	Yes
Visualisations?	No
Information held on dedicated software?	No
- which package?	

ARCHITECTURE	
Timescales used:	Current-2050
Trends and drivers?	Yes
- list	Technology innovation and development; O&M; LCOE reduction; Wind characteristics; supply chain
Enablers?	Yes
- list	Focus on turbine technology and design; design of tools and advanced components; reliability and testing; assessment of characteristics of wind energy resource; address supply chain, manufacturing and installation issues
Performance measures/targets?	Yes
- list areas	Set short-term and long term deployment targets; Establish and implement incentives and support mechanisms; Encourage national and multilateral development banks to target clean energy deployment
Mapping of RD&D activities?	

Critical assessment of capabilities?	
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PROCESS	
Methods used:	
- Desk study?	Yes
- Consultation	Yes
- Interviews?	Unknown
- Facilitated workshop(s)	Yes
- Working groups/task force	Yes
- Integrated Process	Yes
Stakeholders engaged:	
- University based researchers	Yes
- Other public sector researchers	Yes
- Business – technology	Yes
- Business – other	Yes
- Government - energy	Yes
- Government – SET	Unknown
- Government - other	Yes
- NGOs	Yes
No of people engaged:	Unknown
Budget (if known):	Unknown
Commitment to re-visit?	Yes

ACTIONS IDENTIFIED	
List of actions?	Yes
Actions listed according to timescale?	Yes
Actions prioritised?	No
Sequencing/dependencies identified?	No
Responsibility for actions identified?	Yes
Types of actions identified:	
- Basic research?	Yes
- list areas	Publish best practices guidelines for project development system integration and community integration; establish a stable, predictable financing environment; address existing and potential barriers to deployment; continue work on funding for R&D; interntaional collaboration; LCOE reduction
- Applied research?	Yes
- list areas	Work on regional land-use and marine special planning; build a shared database of offshore operating experiences; continue to develop standards for OSW; improve wind forecasting
- Development & demonstration	Yes
- list areas?	Make available sufficient and suitably equipped large harbour space; develop dedicated designs for different site conditions
- Other types of action?	

- list other types	
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This Roadmap Characterisation was compiled by Samantha Quinn of the University of Edinburgh in May 2014

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