

REFERENCE	
Title:	Technology Roadmap-China Wind Energy Development Roadmap 2050
Date:	Jan 2012
Author:	IEA/Energy Research Institute
Funded by:	
Hard copy reference:	
URL:	http://www.oecd-ilibrary.org/energy/technology-roadmap-china-wind-energy-development-roadmap-2050_9789264166752-en
Date accessed:	26/04/2014
Web Format:	pdf
IEA topics covered	Wind Energy
Geographical focus:	China
Brief Abstract:	The report provides an overview of the status of the Chinese wind industry, which could reach 1000GW by the middle of the century. This roadmap is the first national roadmap to have been developed by a country with IEA support.

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	Wind technology development; wind turbines; wind farm development and construction; wind power integration; policy framework
Enablers?	Yes
- list	Ensure correct balance of market pull-technology push mechanisms are in place; emissions reductions due to use of wind power; job creation will continue to rise if manufacturing rises
Performance measures/targets?	No
- list areas	
Mapping of RD&D activities?	No

Critical assessment of capabilities?	NO
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PROCESS	
Methods used:	
- Desk study?	Yes
- Consultation	Yes
- Interviews?	Unknown
- Facilitated workshop(s)	Unknown
- 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	No
- Government - other	Yes
- NGOs	Unknown
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	Increase support for R&D; Add wind power specialty and curricula to universities; increase international collaboration; improved project management regulations and rules towards independent market investment decisions; establish wind resource data sharing platform;
- Applied research?	Yes
- list areas	Offshore wind resource measurement and detailed investigation; Improve measurement and statistical analysis of local wind conditions and environment information; accelerate offshore wind manufacturing and installation capacity
- Development & demonstration	Yes
- list areas?	Construction of regional interconnection smart grids; develop detailed regulations and technical procedures to ensure wind power grid access,

	power purchase and wind power transmission;
- Other types of action?	No
- list other types	

This Roadmap Characterisation was compiled by Samantha Quinn of the University of Edinburgh in May 2014

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