

<b>REFERENCE</b>	
<b>Title:</b>	Strategic Technology Agenda
<b>Date:</b>	February 2014
<b>Author:</b>	SI-Ocean
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<b>URL:</b>	<a href="http://www.si-ocean.eu/en/upload/SI%20Ocean%20-%20WaveTidal%20Strategic%20Technology%20Agenda.pdf">http://www.si-ocean.eu/en/upload/SI%20Ocean%20-%20WaveTidal%20Strategic%20Technology%20Agenda.pdf</a>
<b>Date accessed:</b>	Not yet published
<b>Web Format:</b>	pdf
<b>IEA topics covered</b>	Ocean Energy Technology
<b>Geographical focus:</b>	Global
<b>Brief Abstract:</b>	The document provides recommendations to address technical barriers identified within the SI-Ocean project.

<b>OUTPUTS</b>	
<b>Short Report?</b>	
<b>Major report?</b>	yes
<b>Visualisations?</b>	
<b>Information held on dedicated software?</b>	
<b>- which package?</b>	

<b>ARCHITECTURE</b>	
<b>Timescales used:</b>	n/a
<b>Trends and drivers?</b>	yes
<b>- list</b>	Risk management; technology fragmentation; grid access; infrastructure; economic perspective; LCOE; R&D, innovation and testing
<b>Enablers?</b>	yes
<b>- list</b>	Reduce cost of technology through innovation and learning by doing; address technology fragmentation at subcomponent level; address lack of cooperation by identifying collaboration opportunities; identify best strategies for efficient deployment of arrays
<b>Performance measures/targets?</b>	n/a
<b>- list areas</b>	
<b>Mapping of RD&amp;D activities?</b>	n/a
<b>Critical assessment of capabilities?</b>	n/a

<b>PROCESS</b>	
<b>Methods used:</b>	

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

<b>ACTIONS IDENTIFIED</b>	
<b>List of actions?</b>	Yes
<b>Actions listed according to timescale?</b>	
<b>Actions prioritised?</b>	Yes
<b>Sequencing/dependencies identified?</b>	No
<b>Responsibility for actions identified?</b>	No
<b>Types of actions identified:</b>	Technology development/ Deployment and risk reduction
- Basic research?	
- list areas	Standards and guidelines for evaluation and testing; standardised procedures for installation, maintenance and retrieval; techno-economic tools
- Applied research?	
- list areas	development of intelligent predictive maintenance systems; resource analysis tools
- Development & demonstration	
- list areas?	Pre-commercial array sea trial and demonstration; sub-system development and optimisation; reliability demonstration
- Other types of action?	
- list other types	

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

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