

REFERENCE	
Title:	ORECCA European Offshore Renewable Energy Roadmap
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Author:	ORECCA
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Web Format:	pdf
IEA topics covered	Ocean Energy
Geographical focus:	Europe
Brief Abstract:	Roadmap examines five key streams that are essential to the development of the offshore renewable energy sector: Resource; Finance; Technology; Infrastructure; Environment, Regulation & Legislation in an effort to accelerate the development of the offshore renewable energy sector.

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

ARCHITECTURE	
Timescales used:	2010-2030
Trends and drivers?	yes
- list	Finance; resource; infrastructure; technology; regulation and legislation; environment
Enablers?	yes
- list	Development of technologies that can withstand deployments in deeper waters and farther offshore; develop balance between market pull and technology push support mechanisms; need for technology design consensus; Identify synergies between offshore shore technologies for installation; need for European level grid connection and state level grid connection; need for harmonisation of licensing practices across Europe.

Performance measures/targets?	No
- list areas	
Mapping of RD&D activities?	No
Critical assessment of capabilities?	Yes

PROCESS	
Methods used:	
- Desk study?	
- Consultation	
- Interviews?	
- 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	
- Government – SET	
- Government - other	
- NGOs	yes
No of people engaged:	
Budget (if known):	
Commitment to re-visit?	No

ACTIONS IDENTIFIED	
List of actions?	Yes
Actions listed according to timescale?	No
Actions prioritised?	No
Sequencing/dependencies identified?	No
Responsibility for actions identified?	No
Types of actions identified:	
- Basic research?	Yes
- list areas	Continue resource characterisation; develop balance of financial mechanisms; identify synergies between technologies; policy development
- Applied research?	yes
- list areas	Development of infrastructure subcomponents; co-location of technologies; address underpinning technical challenges; cost reduction
- Development & demonstration	Yes
- list areas?	Foundation and mooring systems; 1 st generation device and array trials; performance data collection; recovery methods; 2 nd generation device deployment
- 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 March 2014

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