

# ORE Supergen Challenge Workshops:

## TRANSFORMATION OF THE OFFSHORE RENEWABLE ENERGY SYSTEM

The ORE Supergen Hub team will organise a series of three multi stakeholder workshops to identify future research challenges for wind (fixed and floating), wave, and tidal (stream and range) energy to facilitate transformation of the offshore energy system, and will discuss stakeholder needs regarding the new the hub and its modus operandi. The workshops will address directly the specific recommendations of the Supergen review regarding the scope and aims of the new ORE programme, as well as the vision and interpretation of these. Information gathered through the workshops will be used in development of the strategy for the ORE Supergen Hub.

## AIMS OF THE WORKSHOPS

- To deliver a portfolio of prioritised ORE R&D challenges which facilitate transformation of the ORE system through addressing the needs of business and policy whilst delivering measurable progress and impact.
- To achieve wide and inclusive participation in defining ORE R&D challenges by providing opportunities to contribute at workshops and online for those not able to attend in person.
- To ensure that all participants (including those engaged via on line questionnaire) understand the aims of the ORE Supergen 'transformation of ORE' programme, opportunities for future engagement and prospective timeline for challenges and delivering maximum impact.
- To ensure that the challenges identified are system wide, and are conceptualised with reference to the 'whole system' and do not focus on industry sub sectors in isolation.
- To ensure that challenges are truly visionary and build on past and current research programmes which address the identified need.
- To canvas ideas for measures to support Early Career researchers (ECR) and build a strong and inclusive community.
- To deliver a strategy for international engagement for the hub to ensure strong links with international research programmes in an uncertain future.
- To review facilities and equipment needs.
- To canvas ideas for achieving policy influence, communication and engagement with other ORE stakeholders to ensure consistent messaging to government and general public.

# Key Challenge Workshop 2: Offshore Wind

London, 16-17 October 2017

The [Grosvenor Hotel](#), 101 Buckingham Palace Rd, London SW1W 0SJ, UK

## AGENDA: DAY 1

13:30	<b>Arrival and coffee</b>	
13:40 – 13:45	<b>Welcome and Introduction to Workshop</b>	<b>Deborah Greaves / Ross Wigg / Annie Linley</b>
13:45 – 14:00	Supergen Wind update and forward look	<b>Bill Leithead (Supergen Wind)</b>
14:00 – 14:15	Research Challenges in design for ORE	<b>Steve Downie (Arup)</b>
14:15 – 14:30	Offshore wind future challenges and opportunities	<b>Ellen Pavageau, (EDF)</b>
14:30 - 15:00	Panel discussion	
15:00 – 15:15	Tea/coffee	
15:15 – 16:15	<b>Break out session 1: Challenges</b>	
<ul style="list-style-type: none"> <li>• What are the key challenges in the development of offshore wind energy?</li> <li>• What are the non-technical barriers (environment, human)?</li> <li>• What can the ORE sector expect to achieve within 5 and 10 years in offshore wind?</li> <li>• What are the cross-cutting research challenges in wave, tidal and offshore wind?</li> </ul>		
16:15 – 17:00	<b>Re-group and Feedback and discussion</b>	
19:00	<b>Dinner</b>	

AGENDA: DAY 2

09:00 – 09:15	<b>Introduction to Workshop Day 2</b>	<b>Deborah Greaves / Ross Wigg / Annie Linley</b>
09:15 – 09:30	Strategic planning and the industrial strategy	<b>Julian Brown (RenewableUK)</b>
09:30 – 09:45	Research priorities from utility perspective – update on Carbon Trust's Joint Industry Programme	<b>Eloise Burnett (Carbon Trust)</b>
09:45 – 10:00	Offshore renewables structures - foundation challenges and solutions	<b>Peter Larkin (Maven Energy Services Ltd)</b>
10:00 - 10:30	Panel discussion	
10:30 – 10:45	Tea/coffee	
10:45 – 11:45	<b>Break out session 2: Prioritisation</b>	
<ul style="list-style-type: none"> <li>• Review and add to the list of challenges identified in Break out session 1</li> <li>• For each challenge: assign to a theme and score its: UK benefit; global relevance; potential to reduce LCOE; case for intervention; TRL; longterm/short term; expected outcome</li> <li>• What disciplines are needed for each challenge?</li> <li>• How do we ensure a whole systems approach is embedded within the Supergen Hub?</li> </ul>		
11:45 – 12:15	<b>Feedback and discussion</b>	
12:15 – 13:15	<b>Lunch</b>	