

# 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 3: Transformation of the ORE System

Plymouth, 2-3 November 2017

[Jurys Inn Plymouth](#), 50 Exeter Street, Plymouth, PL4 0AZ, UK

## AGENDA: DAY 1

|   |  |   |
|---|--|---|
| 13:30   | <b>Arrival and Lunch</b>                               |   |
| 13:40 – 13:45   | <b>Welcome and Introduction to Workshop</b>            | <b>Deborah Greaves / Ross Wigg / Annie Linley</b> |
| 13:45 – 14:00   | ORE Catapult: Research Strategy                        | <b>Paul McKeever (ORE Catapult)</b>               |
| 14:00 – 14:15   | Communication of energy science                        | <b>Iain Stewart (UoP)</b>                         |
| 14:15 – 14:30   | OSW and MRE UK portfolios current and future direction | <b>William Apps (Crown Estate)</b>                |
| 14:30 – 15:00   | Panel discussion                                       |   |
| 15:00 – 15:15   | Tea/coffee   |   |
| 15:15 – 16:15   | <b>Break out session 1:<br/>Cross-sector benefits</b>  |   |
| <ul style="list-style-type: none"> <li>Review challenges identified in Workshops 1 and 2 and discuss benefits to each sector</li> <li>Where are the research synergies between sectors in ORE and how can these be used to maximise R&amp;D impact?</li> <li>How do we translate research and knowledge between sectors within ORE and from different sectors into ORE?</li> <li>How can the available facilities and equipment be utilised for ORE research across sectors?</li> <li>What are the challenges in communicating the benefits and challenges of ORE to the public?</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   | Key challenges for UK ORE Industry  | <b>Andrew Garrad</b>                              |
| 09:30 – 09:45   | O&M challenges in offshore wind   | <b>Barrie Englishby (Statoil)</b>                 |
| 09:45 – 10:00   | Interdisciplinarity in research: how do we follow a whole systems approach? | <b>Ioanna Ketsopoulou (UKERC)</b>                 |
| 10:00 - 10:30   | Panel discussion  |   |
| 10:30 – 10:45   | Tea/coffee  |   |
| 10:45 – 11:45   | <b>Break out session 2:<br/>Whole Systems Approach</b>                      |   |
| <ul style="list-style-type: none"> <li>• Identify different disciplines needed for each Challenge</li> <li>• What measures / mechanisms might the hub implement to facilitate a whole systems approach to challenges in ORE?</li> <li>• How do we achieve research translation/communication between sectors/ disciplines?</li> <li>• How should the ORE Supergen integrate with other Supergen hubs, Catapult and innovateUK programmes?</li> <li>• Do the research challenges have potential to achieve policy influence, and how?</li> </ul> |   |   |
| 11:45 – 12:15   | <b>Feedback and discussion</b>  |   |
| 12:15 – 13:15   | <b>Lunch</b>  |   |
| 14:00 – 15:00   | <b>Optional visit to the COAST Laboratory</b>                               |   |