

Training course on: *“Test and verification processes from tanks to the sea”*

Organised by: The University of Edinburgh & the European Marine Energy Centre

April 23rd – 25th 2019

Course Outline

Block 1: Standards and Verification for Offshore Renewable Energy

1. Introduction
2. Role of standards for tank testing of offshore renewable energy systems
3. MaRINET Deliverable 2.1: Summary of testing recommendations and identified gaps in standards by the MaRINET2 consortium
4. Role of standards for site deployments

Block 2: Tank Testing

5. Tank testing processes 1: Experimental design
6. Tank testing processes 2: Measurement and data considerations
7. Implementation of a standardized test programme: Wave Energy Scotland
8. Site replication methodologies
9. Practical tank testing exercise @ The FloWave Ocean Energy Research Facility

Block 3: Site Deployment

10. Deployment considerations 1: Practicalities of deploying at sea
11. Deployment considerations 2: Metocean data collection
12. Site deployment case studies: Examples and lessons learnt
13. Developers perspective: From tank testing to site deployment

Confirmed Teaching staff: D. Ingram, S. Draycott, T. Davey, D.Noble, Ruari Brooker, Florence Ungaro, device developer(s) TBC

Duration: around 16h

Venue: TBC, Kings Buildings, The University of Edinburgh, Edinburgh, UK