

**EcoWatt2050 research summary workshop at the MASTS ASM 2017
Friday 6th October, Technology and Innovation Centre, Glasgow**

SUMMARY SESSION FOR STAKEHOLDERS

- 9:30 Welcome and Introduction - **Mark James**
9:40 Summary of the EcoWatt2050 Consortia research findings – **Jon Side**
10:10 Questions and Discussion
- 10:30 **Coffee**
- 11:00 TECHNICAL SESSION
- 11:00 Introduction to EcoWatt2050 and the research questions, role of Marine Scotland Science and MASTS – **Jon Side**
- 11:10 **Tidal Energy Extraction**
- 11:10 Development of the FVCOM model, energy extraction and multiple large array scenarios – **Alejandro Gallego**
11:20 Modelling present and future climate scenarios – **Judith Wolf**
11:30 Effects of large scale arrays on patterns of turbidity – **Mike Heath**
11:40 Responses of the benthos to changes in climate and from tidal energy extraction – **Mike Bell**
11:50 Responses of mobile marine species to changes in climate and from energy extraction – **Beth Scott**
- 12:00 **Wave Energy Extraction**
- 12:00 Use of WAMIT in model parameterisation for MIKE and physical consequences of energy extraction – **Venki Venugopal**
12:10 Effects of removal of wave energy on coastal processes – **Harshinie Karunaratna**
12:20 Habitat and Species changes in areas of wave energy extraction – **Mike Burrows**
- 12:30 Concluding Remarks – **Ian Davies**