

Training course on: “**Reducing uncertainty in techno-economic analysis of ocean energy**”

UEDIN and WavEC

November 17th – 19th 2020

Course Outline

17/11/2020 10:00 hs – 12:00 hs (GMT)

Topic 1: Introduction to techno-economic analysis and LCOE.

What is the levelised cost of energy (LCOE)? How is it calculated and used? How to deal with uncertainty in the calculations? Where to find data?

This webinar is an introduction to LCOE, mostly aimed at anyone who has not worked with this calculation but also for anyone interested in where to find data to perform a techno-economic analysis.

18/11/2020 10:00 hs – 12:00 hs (GMT)

Topic 2: Learning and Innovation.

What is innovation? What type of learning will have an impact in the techno-economic analysis of innovative technologies? How to determine impact through learning curves (single-factor vs multi-factor)? What are the challenges and limitations when determining the impact of learning?

This webinar will provide an overview of different learning aspects that will influence the cost reduction in time and the overall learning investment.

19/11/2020 10:00 hs – 12:00 hs (GMT)

Topic 3: Project feasibility and the use of software tools.

What should be considered when assessing a project’s feasibility? What software tools are used to support the assessment of a project?

This webinar will discuss the process of assessing a project’s feasibility and highlight some examples of how software tools can support an assessment.

Organized by:

- University of Edinburgh School of Engineering (UEDIN).
- WavEC Offshore Renewables (WavEC).

Please be aware that minor internal changes could occur prior to the begin of the course.