

# **Marine Renewables Education Ireland**

## **Industry Training Opportunities**

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## **3 Marine Renewables Education & Training Offerings**

- **1. Industry short training courses in Marine Renewable Energy**
- **2. Postgraduate Programme Master's in Marine Renewable Energy**
  - 21 graduates from two intakes
  - Graduate destinations include: ESB, DARETech, MAREI, OpenHydro, Rockwell
  - One-year full time programme
  - Target audience: Engineering graduates seeking to enter Marine Renewables sector
- **3. Advanced modules in Marine Renewable Energy**
  - Physical attendance, online or blended
  - Target audience: CPD, industry professionals addressing skills gaps
  - Target audience: Device developers, SMEs, MNCs active in marine renewable energy sector

# MaREI short training courses for Industry in Marine Renewable Energy

## Industry training needs consultation (September- December 2015)

- 37 direct requests to industry participants (startups, SMEs, MNCs)
  - IWEDA, MRIA members & others
- 20 responses
- 11 additional submissions
- 17 face-to-face meetings
  - 25 further meetings at Ocean Energy Europe
    - (9 Irish; 16 International)

## Industry consultation: key findings

- Multiple delivery channels: online courses, seminars and workshops, and practical courses (tank testing, PTO etc)
- Diverse sector with diverse needs (c. 20 course themes identified)
- Course contents detailed for four highest impact pilot events
- **Funding secured to roll out Pilot Events 1 & 2 in 2016**
  - No course fees will be charged for pilot events

# Pilot Event 1: Marine Energy Development - Making projects happen

## **9:30 – 11:00 – Brief History and Current Status of the Marine Industry**

- How does marine RE fit into the wider picture of other RE and other energy sources
- Cost of Marine vs other energy resources (Does Marine make sense in the wider scheme?)
- Brief history of marine sector development & Current Status - a business perspective
- Project management - getting a device in the water
- State/EU funding – what has worked and what hasn't worked

## **11:30 – 13:00 – Funding and Funding Streams**

- Funding ecosystem in Ireland
- How to write a successful SEAI application
- How to attract private investors
- Apple ocean energy investment fund?
- Case study – Funding through Scotland Wave
- Case study - Benchmarking - what is a good or bad project?
- Case study - SME funding from Enterprise Ireland

## **14:00 – 15:30 - Partnership, Collaboration and Education**

- Partnership and Collaboration (MaREI and Marinet)
- Case study - Specialisation as a road to success in Ocean energy
- Case study – What has been gained through collaboration?:
- Experiences of M.Eng.Sc. Students (internships) – student & industry perspectives
- Further information on the Marine Renewable Education Ireland programme

## **15:30 - 16:30 - Quick break and a Q & A session**

## Industry Training Calendar 2016

Date	Event description
<b>18-19 April</b>  <b>Ringaskiddy</b>	Workshop <b>Socio-economic , Consenting and Environmental issues for Ocean Energy</b>  (part of the Marie Curie ITN OceaNET)  Up to 10 places available to industry participants
<b>May</b>  <b>Dublin</b>	Pilot Event 1 One day seminar - <b>Making projects happen</b>  - emphasis on funding and collaboration.
<b>July</b>  <b>Ringaskiddy</b>	Pilot Event 2 One day event – <b>Wave theory and tank testing</b>  Wave theory and spectra (am)  Wave tank verification exercise (pm)
<b>September-December</b>  <b>Cork/online</b>	<b>MEngSc Marine Renewable Energy programme &amp; modules</b>  Online/classroom module “Wind Energy”. Classroom module “Ocean Energy”.  Other modules from MaREI partners on demand

# Call for MEngSc placement hosts



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