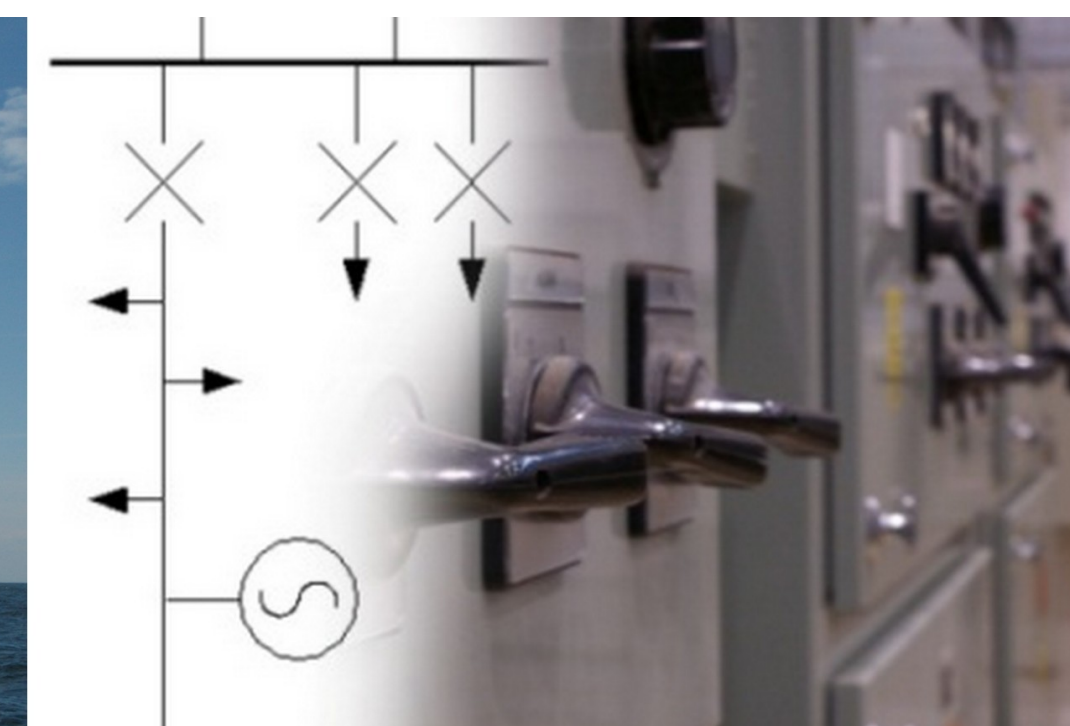
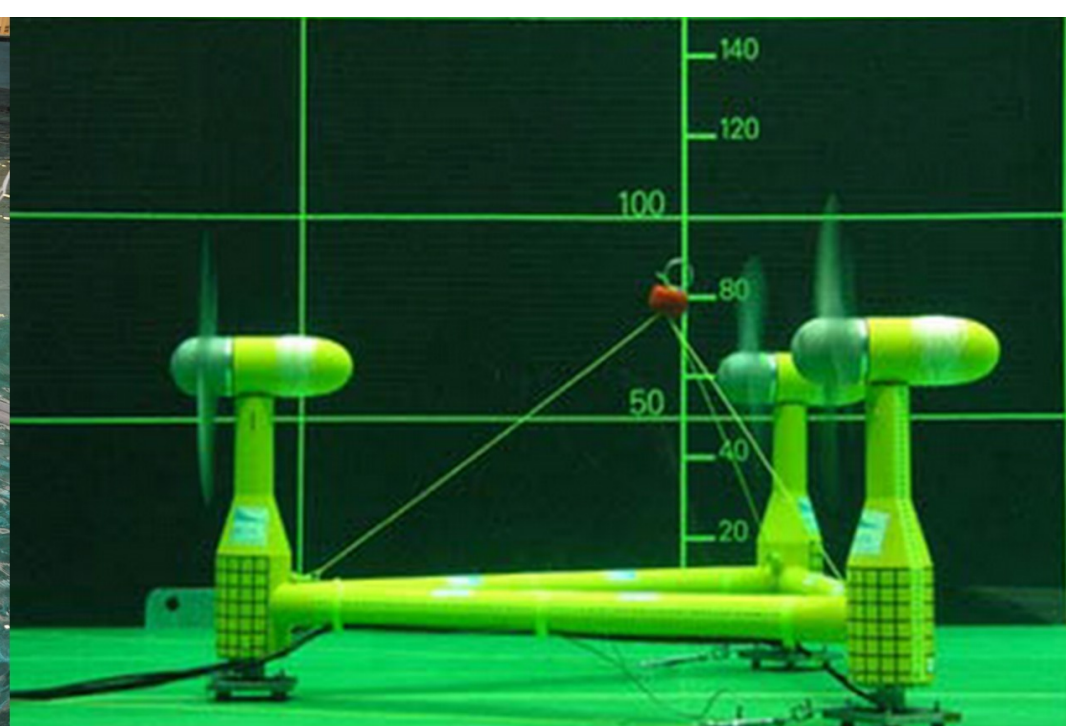
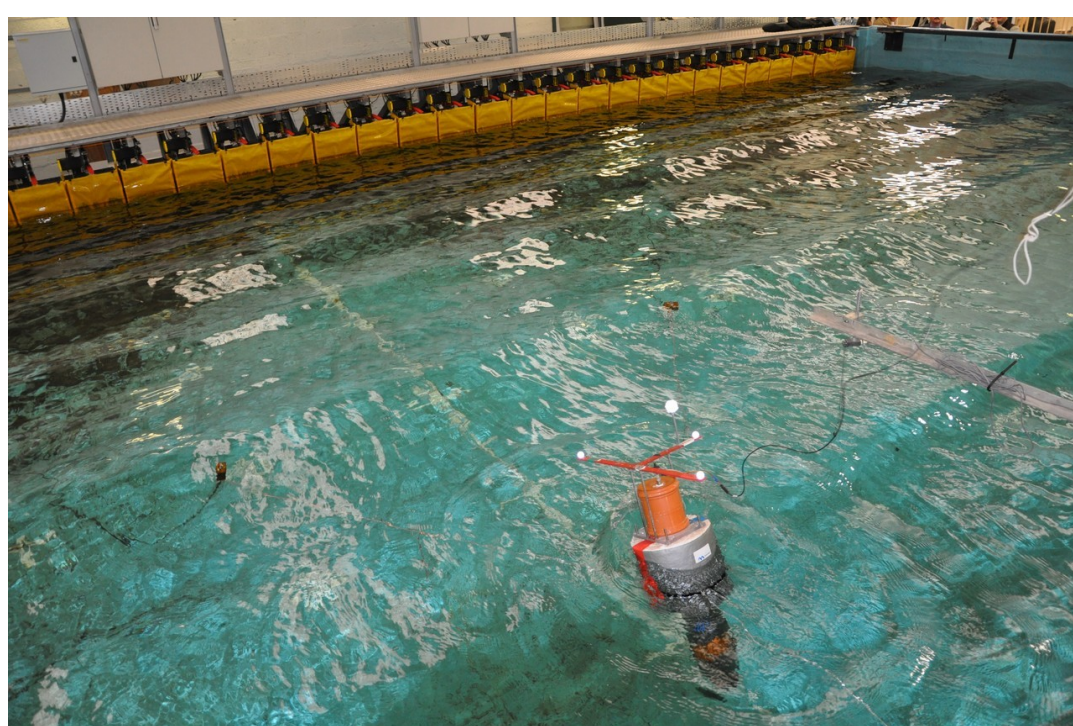




What is MARINET?

EC-funded marine renewable energy infrastructure initiative offering free-of-charge access to world-class test facilities and a streamlined approach to the testing process.

29 partners

12 countries

44 marine testing facilities available

4 year duration: April 2011—March 2015

€11m budget

Why the need for MARINET?

- Coordinated approach is needed to streamline access, avoid research duplication and increase pace of development.
- Alleviate increasing facility access costs and cross-border access issues.
- Address technology failures by following structured technology development plans.

What does MARINET offer?

- **Free-of-charge access to infrastructures & expertise**
 - ⇒ 44 state-of-the-art facilities, world experts
 - ⇒ contribution towards travel costs
 - ⇒ workshops & networking to enhance subsequent development
- **Joint-activity by partners in parallel to:**
 - ⇒ adopt common test standards
 - ⇒ conduct research to improve testing capabilities
 - ⇒ staff exchange and free-of-charge industry training

Free-of-charge access to 44 facilities & associated expertise!

APPLY at
www.fp7-marinet.eu

to access test facilities for:

- Wave Energy
- Tidal Energy
- Offshore-Wind Energy & Environmental Data
- Common Aspects e.g. Electrical, PTO, Materials etc.

- ⇒ Facility costs are paid by the EC
- ⇒ All scales available, from lab to sea
- ⇒ Open to companies of any size, research groups etc.



What are the access conditions?

- Visiting leader and majority of visiting-group members must be based in the EC or an FP7-associated country
- Facility must be outside the country where the group leader and majority of group are based
- Testing results may be published (allowing for IP restrictions)

Further information



Web: www.fp7-marinet.eu

Email: info@fp7-marinet.eu

Coordinator: Hydraulics & Maritime Research Centre, UCC, Ireland



MARINET

Marine Renewables Infrastructure Network

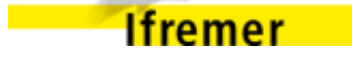
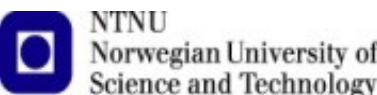
www.fp7-marinet.eu



Facilities Available

	Area	Wave Energy	Tidal Energy	Offshore Wind Energy & Environmental Data	Cross-Cutting Areas e.g. Electrical /PTO/Materials etc
 Small Lab	Small Lab	• AAU – Deep Water Wave Basin • QUB – Shallow Water Wave Tank • UCC-HMRC – Ocean Wave Basin • UEDIN – Curved Wave Tank • UNI-STRATH – Kelvin Hydrodynamics Lab • UNIFI-CRIACIV Wave-Current Flume	• DTU – Current Flume with Carriage • UNI-STRATH – Kelvin Hydrodynamics Lab • USTUTT – Laminar Wind Tunnel • UNIFI-CRIACIV – Boundary Layer Wind Tunnel • UNIFI-CRIACIV Wave-Current Flume	• UNIFI-CRIACIV – Boundary Layer Wind Tunnel • UNI-STRATH – Kelvin Hydrodynamics Lab • USTUTT - Laminar Wind Tunnel	• SINTEF – Renewable Energy Lab SmartGrids • TECNALIA – Electrical PTO Lab • UCC-HMRC – Rotary Test Rig • USTUTT – Turbine Test Rigs
 Large Lab	Large Lab	• CNR-INSEAN – Wave Tank • ECN – Hydrodynamic and Ocean Engineering Tank • IFREMER – Deep Seawater Wave Tank • IFREMER – Wave-Current Circulation Tank • NAREC – Wave Flume • PU - COaST Coastal Ocean and Sediment Transport Laboratories	• CNR-INSEAN – Circulating Water Channel • IFREMER – Wave-Current Circulation Tank • PU - COaST Coastal Ocean and Sediment Transport Laboratories	• CNR-INSEAN – Wave Tank • ECN – Hydrodynamic and Ocean Engineering Tank • PU - COaST Coastal Ocean and Sediment Transport Laboratories	• DTU – Mechanical Test Facilities • DTU – PowerLabDK • IFREMER – Materials in Marine Environment Lab • NAREC – CPTC Energy Link Labs • NAREC – Nautilus Rotary Rig • UNEXE – Dynamic Marine Component Test Facility
 Medium-Scale Site	Medium-Scale Site	• AAU – Nissum Bredning • EMEC – Real Sea Test Sites Orkney • SEAI-OEDU – Galway Bay	• EMEC – Real Sea Test Sites Orkney • QUB – Portaferry Tidal Test Centre • TTC – Den Oever Tidal Site	• AAU – Nissum Bredning • QUB – Portaferry Tidal Test Centre Data • SEAI-OEDU – Wave Site Data Galway	• UNEXE – South West Mooring Test Facility
 Large-Scale Site	Large-Scale Site	• EVE – Biscay Marine Energy Platform • SEAI-OEDU – Belmullet Test Site	• No Infrastructure Currently Available	• DTU - Database of Wind Characteristics • DTU – Mobile Offshore Wind Measuring • DTU – National Wind Test Site • ECNETH – Database of Measurements on OWEZ • NTNU – Full-scale wind measurement station • PU – HF Radar Environmental Monitoring Facility • SEAI-OEDU – Wave Site Data Belmullet • USTUTT – Offshore Nacelle LiDAR	• EVE – Mutriku OWC Plant • FH-IWES – Offshore Field Test Facilities • WAVEC – OWC Pico

Partners

 University College Cork, Ireland	 HMRC	 Ireland University College Cork, HMRC (UCC-HMRC) <i>Coordinator</i>	 Netherlands Stichting Tidal Testing Centre (TTC)	
 Sustainable Energy Authority of Ireland		Sustainable Energy Authority of Ireland (SEAI-OEDU)	Stichting Energieonderzoek Centrum Nederland (ECNETH)	
 Aalborg Universitet		 Denmark Aalborg Universitet (AAU)	 Germany Fraunhofer-Gesellschaft Zur Foerderung Der Angewandten Forschung E.V (FH-IWES)	
 Danmarks Tekniske Universitet		Danmarks Tekniske Universitet (DTU)	Gottfried Wilhelm Leibniz Universität Hannover (LUH)	
			Universitaet Stuttgart (USTUTT)	
 Centro de Energia das Ondas		 Portugal Wave Energy Centre (WAVEC)	 France Ecole Centrale de Nantes (ECN)	
 National Renewable Energy Centre Ltd.		 United Kingdom National Renewable Energy Centre Ltd. (NAREC)	Institut Français de Recherche Pour l'Exploitation de la Mer (IFREMER)	
 The University of Exeter		The University of Exeter (UNEXE)	 Italy Università Degli Studi Di Firenze (UNIFI-CRIACIV)	
 The European Marine Energy Centre Ltd		European Marine Energy Centre Ltd (EMEC)	PIN S.c.r.l. Università Di Firenze (UNIFI-PIN)	
 University of Strathclyde		University of Strathclyde (UNI-STRATH)	Università degli Studi della Tuscia (UNITUS)	
 The University of Edinburgh		The University of Edinburgh (UEDIN)	Consiglio Nazionale delle Ricerche (CNR-INSEAN)	
 Queen's University Belfast		Queen's University Belfast (QUB)		
 Plymouth University		Plymouth University (PU)	 Brazil Instituto de Pesquisas Tecnológicas do Estado de São Paulo S.A. (IPT)	
 Ente Vasco de la Energía		 Spain Ente Vasco de la Energía (EVE)	 Norway Sintef Energi AS (SINTEF)	
 Tecnalia Research & Innovation Foundation		Tecnalia Research & Innovation Foundation (TECNALIA)	Norges Teknisk-Naturvitenskapelige Universitet (NTNU)	
 1-Tech		 Belgium 1-Tech (1-TECH)		