



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
- 4.5 year duration: April 2011—September 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
- contribution towards travel costs for workshops & networking to enhance subsequent development
- Joint-activity by partners in parallel to:
 - adopt common test standards
 - conduct research to improve testing capabilities

Facilities Available

Area	Wave Energy	Tidal Energy	Offshore Wind Energy & Environmental Data	Cross-Cutting Areas e.g. Electrical /PTO/Materials etc
Small Lab	<ul style="list-style-type: none"> AAU – Deep Water Wave Basin QUB – Shallow Water Wave Tank UCC-BEAUFORT – Ocean Wave Basin UEDIN – Curved Wave Tank UNI-STRATH – Kelvin Hydrodynamics Lab UNIFI-CRIACIV Wave-Current Flume 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> UNIFI-CRIACIV – Boundary Layer Wind Tunnel UNI-STRATH – Kelvin Hydrodynamics Lab USTUTT – Laminar Wind Tunnel 	<ul style="list-style-type: none"> SINTEF – Renewable Energy Lab SmartGrids TECNALIA – Electrical PTO Lab UCC-BEAUFORT – Rotary Test Rig USTUTT – Turbine Test Rigs
Large Lab	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> CNR-INSEAN – Circulating Water Channel IFREMER – Wave-Current Circulation Tank PU - COaST Coastal Ocean and Sediment Transport Laboratories 	<ul style="list-style-type: none"> CNR-INSEAN – Wave Tank ECN – Hydrodynamic and Ocean Engineering Tank PU - COaST Coastal Ocean and Sediment Transport Laboratories 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> AAU – Nissum Bredning EMEC – Real Sea Test Sites Orkney SEAI-OEDU – Galway Bay 	<ul style="list-style-type: none"> EMEC – Real Sea Test Sites Orkney QUB – Portaferry Tidal Test Centre TTC – Den Oever Tidal 	<ul style="list-style-type: none"> AAU – Nissum Bredning QUB – Portaferry Tidal Test Centre Data SEAI-OEDU – Wave Site Data Galway 	<ul style="list-style-type: none"> UNEXE – South West Mooring Test Facility
Large-Scale Site	<ul style="list-style-type: none"> EVE – Biscay Marine Energy Platform SEAI-OEDU – Belmullet Test Site 	<ul style="list-style-type: none"> No Infrastructure Currently Available 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> EVE – Mutriku OWC Plant FH-IWES – Offshore Field Test Facilities WAVEC – OWC Pico

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

APPLY at www.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.
- Regular calls for applications



- 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

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