



Welcome to the SELKIE Project newsletter

SELKIE is a cross-border project which aims to boost the marine energy industry in Wales and Ireland by bringing together leading researchers and businesses to improve the performance of marine renewable devices and technologies. **University College Cork** are leading the project in partnership with **Swansea University**, **Marine Energy Wales**, **Menter Môn**, **DP Energy Ireland** and **Gavin & Doherty Geosolutions**.

The project is funded by the European Regional Development Fund through the Ireland Wales Cooperation programme.

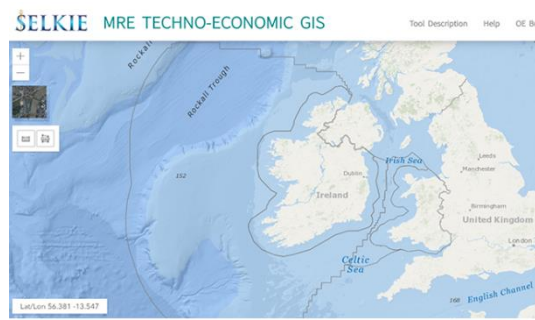
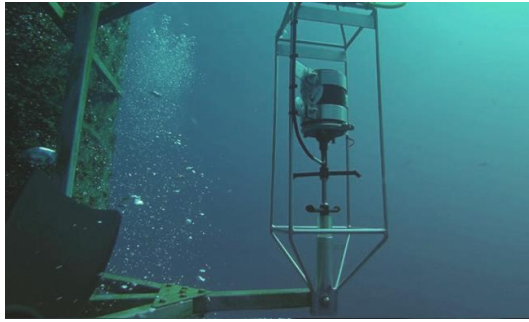
Contents:

- [Selkie Tools and Models progress](#)
- [Selkie at Atlantic Stakeholder Conference](#)
- [Spotlight on the Selkie Network](#)
- [Selkie Events](#)
- [Selkie Partners' news](#)

SELKIE Tools and Models progress

As part of the SELKIE Project, multi-use technology tools, templates, standards and models are being created for use across the Marine Renewable Energy industry; which will be tested and validated on wave and tidal pilot demonstration technologies. The pilot

testing will advance knowledge and improve marine energy devices in terms of their reliability, survivability, operability, stability and commercial viability.



In this edition of the SELKIE Project newsletter, we will be looking closer at the **Sensor optimisation development, build of a converging beam ADCP for current, wave and turbulence measurements, data analysis and pilot applications**, as well as, learning more about the work that was presented at CoastGIS21 as part of the **GIS techno-economic tool**. Read our SELKIE Tool blog and watch the accompanying videos below.

In line with developing the SELKIE tools, we are hosting a series of tool development workshops to provide industry and other academics with the opportunity to input to this process. Our very recent workshop focused on the **Foundation & Mooring tool model** which is being designed to interface with the web based **GIS techno-economic tool**

[BLOG - Selkie Tool Series: Converging Beam ADCP](#)

[BLOG - Selkie Presentation of work behind GIS Techno-Economic Tool](#)

[BLOG - Selkie Tool Development Foundation & Mooring Design Tool Workshop](#)

SELKIE Shortlisted to Pitch and Exhibit at the Atlantic Stakeholder Conference 2021

The Selkie Project were delighted to be invited to participate at the 8th Atlantic Stakeholder Platform Conference (ASPC 2021), which took place on 21st October 2021. ASPC 2021 was held after the launch of the Atlantic Action plan 2.0 – A new approach to the Atlantic Maritime Strategy. The occasion provided stakeholders of the Atlantic Community the opportunity to review the state-of-play of the Atlantic Action Plan and considered its way forward. It also presented opportunities to introduce the Community to new players, projects and innovative ways to collaborate toward its implementation.

ASPC 2021 was organised as a hybrid event which was hosted at the Convention Centre Dublin, Ireland and was also livestreamed online. TJ Horgan, Selkie Project manager attended in person and presented a project pitch to a live panel consisting of the host Catherine Freides – Atlantic Assistance Mechanism, Reuben Eiras – Secretary-General Forum Oceano and Ella Nilakanthi Ford – CEO & Business coach KfV Consulting Satamana.



[Watch and read more about SELKIE at ASPC 2021 here](#)

Spotlight on the SELKIE Network





Join our growing network of businesses! We are looking to bring together Welsh and Irish fabricators, engineers, marine operators, consultancies, marine energy device developers and more. Some of the companies already signed up are **Bombora Wave Power, Orbital, Sabella SA, Magallanes Renovables, Ocean Energy, Mainstay Marine Solutions, FAUN Trackway, Alpha Marine and Bartlett Engineering**, to name a few.

This month we are putting a spotlight on an SELKIE Network members; **Inland & Coastal and Oisintech**. Read more about the companies, what they offer and how they've been involved in the SELKIE Project so far.

What do you get from signing up to the network?

You will become part of a growing network of enterprises and businesses receiving support and opportunities for training, seminars and workshops on topics including techno-economic support, business planning and R&D grant preparation as well as the opportunity to network and gain contacts with both industry and academics.

Contact joshua@mentermon.com for further details on joining the SELKIE Network.

[Read more about Inland & Coastal here](#)

[Read more about Oisintech here](#)

SELKIE Events



SELKIE 'Meet the Expert' series draws to a close

Our 'Meet the Expert' series which we began running in May, has this month come to a close. The series comprised of 13 events that were designed for relatively new companies to the marine renewable energy sector. The events aimed to provide business support and information on key topics ranging from funding, insurance, tender applications, testing and validation, legal services and many more. It was also an opportunity for companies to meet and network. You can find all the event materials including recordings and summaries below, which we have repackaged as the Business Support Series.

[SELKIE 'Meet the Expert' Business Support Series](#)



SELKIE to exhibit at Ocean Energy Europe 2021

Selkie are excited to be exhibiting at Ocean energy Europe, which takes place in Brussels, Belgium on 6-7 December 2021. The conference is the largest of its kind for ocean energy professionals and a fantastic opportunity to raise your profile, keep up to speed with latest industry developments and to network on a global scale.

OEE21 has 600 registered attendees, 60 plus speakers, 400 organisations participating and involvement from 58 countries. It is certainly set to be a busy couple of days

[Read More about Ocean Energy Europe 2021](#)

SELKIE partners' news



SELKIE Project partners Gavin & Doherty Geosolutions (GDG) assist in Drone Survey Validation

To assist with the validation of the new survey techniques, SELKIE partner Gavin & Doherty Geosolutions (GDG) has purchased a new drone to capture video from Irish tidal stream sites: a DJI M300 RTK model incorporating a DJI Zenmuse P1 sensor, which makes for a powerful and accurate survey system. GDG CAD Manager Eric Brennan, who is also a trained and qualified drone pilot, recently took the drone on its first test flight while working in Buncrana, on the north coast of Donegal (see the photos and map above). Eric flew the drone to a height of 120m and a maximum distance of 1.5km from shore to capture 5 test videos, each around 30s in length, of the surface of Lough Swilly. Although there are no relevant field data to compare these measurements with, he was able to use a marker buoy as a (reasonably) fixed point of reference. The GDG team is now working with the research group at Swansea University to identify opportunities for additional surveys of Irish sites in early 2022.

[Read more about drone surveying here](#)



Menter Môn Recruit New Selkie Coordinator

SELKIE partner Menter Môn who lead on Workpackage 3 - Knowledge Transfer & Business support, have recently welcomed Joshua Roberts to their team as Selkie Project Coordinator. Josh has a background in marketing, He has a keen interest in Anglesey and climate change, a key motivation for wanting to join Menter Môn and the Selkie project. Josh also notes within the job there is an opportunity to bring together businesses within (or looking to enter) the Marine Energy sector, and to keep the supply chain local where possible, for the benefit of the area and the planet as a whole.



Post-Doctoral Researcher Vacancy

Join the SELKIE team as part of workpackage 4, GIS and Techno-Economic models our project partners University College Cork have an opening for a Post- Doctoral Researcher based within the MaREI Centre, Environmental Research Institute.

[Click here for Vacancy details](#)



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