



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.

[Find out more about the SELKIE Project](#)

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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 delving deeper to learn more about the **Foundations and Mooring systems** tool and sharing user videos that have been developed to accompany the **Computational Fluid Dynamics model** for tidal arrays. Read our SELKIE Tool blog and watch the user support 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 recent workshop was focused on the **GIS techno-economic model** and **Operations & Maintenance decision-support tool**, read more below.

[BLOG - Selkie Tool Series: Foundations & Mooring systems](#)

[BLOG - Selkie Tool Development Workshops: GIS Technoeconomic model and Operations & Maintenance](#)

[USER VIDEO - Computational Fluid Dynamic model for tidal arrays](#)

SELKIE launches new open-source converging ADCP tool at PRIMaRE conference 2021

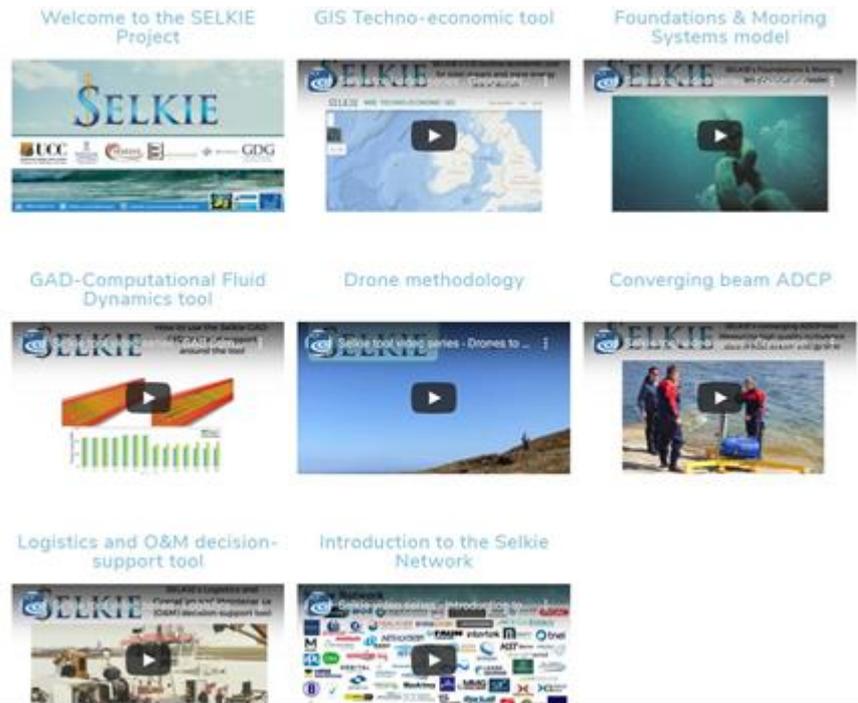
The C-ADCP (converging acoustic doppler current profiler) tool developed by Swansea University can measure high quality turbulence data in tidal stream energy sites leading to reduced costs and increased efficiency for developers and supports the overall aim of the SELKIE project to develop a streamlined commercialisation pathway for the marine renewable energy industry.

A quarter-scale model of this tool has been deployed at one of the Marine Energy Test Area (META)'s Phase 1 Quayside sites, Criterion Jetty, to test the deployment and retrieval methodology as well as some sensor testing. META's quayside sites provide an unparalleled easy access and low risk area for testing marine energy equipment. Following the launch in a collaborative session with META at the PRIMaRE conference in June, the full-scale unit will be deployed at META's Phase 2 open-water tidal test site, Warrior Way, in the Autumn for full operational testing of the sensors.



[Read more about the SELKIE tool deployment at META here](#)

SELKIE video series



We have recently launched the SELKIE video series to provide a snapshot of the open-source technology, engineering and operation tools & models we're developing for use across the Marine Energy sector and disseminate information about the SELKIE Network. We hope this will be a clear and visual way to demonstrate the work taking place on the project.

[See the SELKIE video series page here](#)

Spotlight on the SELKIE Network



HYDROGRAPHIC SURVEYS LTD.

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 Irish business that has recently joined the SELKIE Network; **Hydrographic Surveys Ltd.** Read more about the company, 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 sophie@mentermon.com for further details on joining the SELKIE Network.

[Read more about Hydrographic Surveys Ltd. here](#)

SELKIE Events

SELKIE Meet the Expert series

We are currently hosting a series of 'Meet the Expert' events that are aimed at relatively new companies to the marine renewable energy sector. These events provide business support and information on key topics ranging from funding, insurance, tender applications, testing and validation, legal services and many more. It is also an opportunity for companies to meet and network. You can find all the event materials including recordings and summaries below. Due to the positive feedback and attendance so far, we have decided to extend the series until the end of the year.

Upcoming sessions include:

- Fabrication for Marine Energy with Mainstay Marine - 19 August
- Manufacturing for the Marine Environment with Safinah Group - 2 September
- Raising Investment with GS Verde - 16 September

- Testing and Validation with BlueWise Marine - 30 September

Find out more and register for the events below. We look forward to welcoming you to these sessions.

[SELKIE 'Meet the Expert' past sessions materials](#)

[SELKIE 'Meet the Expert' upcoming sessions](#)



SELKIE Annual General Meeting

On the 27th - 29th July, the SELKIE project hosted our AGM, Masters students presentation session and a networking showcase for the SELKIE network. The sessions were a great opportunity to hear all about the tool development progress, industry engagement and multiple events that have taken place over the last year - all for the benefit of the marine energy sector in Wales and Ireland.

Blue Economy event and Wales Tech Week

The SELKIE Project was delighted to take part in the Swansea University: LINC event at the end of June, centred around the Blue Economy and sustainable use of ocean resources in Wales. Hosted by Swansea University and SELKIE's own Professor Ian Masters, the event highlighted the increasing importance of the Blue Economy in Wales. Showcasing projects and developments within sustainable aquaculture, blue carbon and marine energy, amongst others, the session was a fantastic snapshot of the many activities taking place within the blue economy across the region and highlighted the numerous opportunities for collaboration across the sector.

During the same week, SELKIE partners Swansea University also presented at Wales Tech Week on the recently launched c-ADCP tool and drone methodology work to measure surface currents at tidal stream energy sites.



[Read more about the Blue Economy event here](#)

ECCOMAS 2021

SELKIE partner College of Engineering, Swansea University was at the IX International Conference on Computational Methods in Marine Engineering, MARINE 2021. Dr Charles Badoe presented as part of the SELKIE Project on “Tidal Stream Turbine arrays in a demonstration site using GAD-CFD models”. You can read more about the work from the abstract [here](#).

Please see a video of the conference presentation [here](#):

SELKIE partners' news

Menter Môn newsletter

SELKIE partner, Menter Môn have released their newsletter for 2021. The theme for this newsletter is the Welsh Government's Well-Being of Future Generations Act and is split into 7 wellbeing goals, with every goal focusing on different projects and the work that Menter Môn has been doing over the past year.

With the pandemic effecting so many activities and projects it is great to read about how Menter Môn has been benefiting local communities in their newsletter.

[Read Menter Môn's 2021 newsletter here](#)



Marine Energy Wales' State of the Sector report 2021

SELKIE partner Marine Energy Wales recently launched their annual economic report revealing the extent of the activity, growth and investment across the marine energy industry in Wales over the last year. The findings highlighted that in spite of the pandemic, the emerging offshore renewables sector is growing from strength to strength with members making continued contribution to green jobs and progressing towards commercialisation.

[Read the State of the Sector report here](#)

TIGER Project Questionnaire



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND

TIGER TIDAL STREAM
INDUSTRY
ENERGISER

The TIGER project is a €45m project with the aim to accelerate deployment of tidal stream, energy in the UK and France ([TIGER: Tidal Stream Industry Energiser project \(interregtiger.com\)](http://interregtiger.com)). As part of the project, the Offshore Renewable Energy Catapult are creating a volume manufacturing roadmap, to evaluate how the industry can transition from manufacturing single prototype devices to tens or hundreds of commercial devices per year.

They are interested in hearing from current or potential suppliers of tidal stream components. They want to understand the current capabilities in the supply chain and what the current sentiment is towards the tidal stream industry. To do this, they have prepared a questionnaire

for suppliers which should take about 10 minutes to fill in. All responses are really appreciated, and will help to strengthen the industry going forwards by providing recommendations to policymakers.

The ORE Catapult would like responses as soon as possible. For further information please contact Ciaran Frost, techno-economic analyst on the TIGER project, at Ciaran.frost@ore.catapult.org.uk.

[Complete the questionnaire here](#)



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