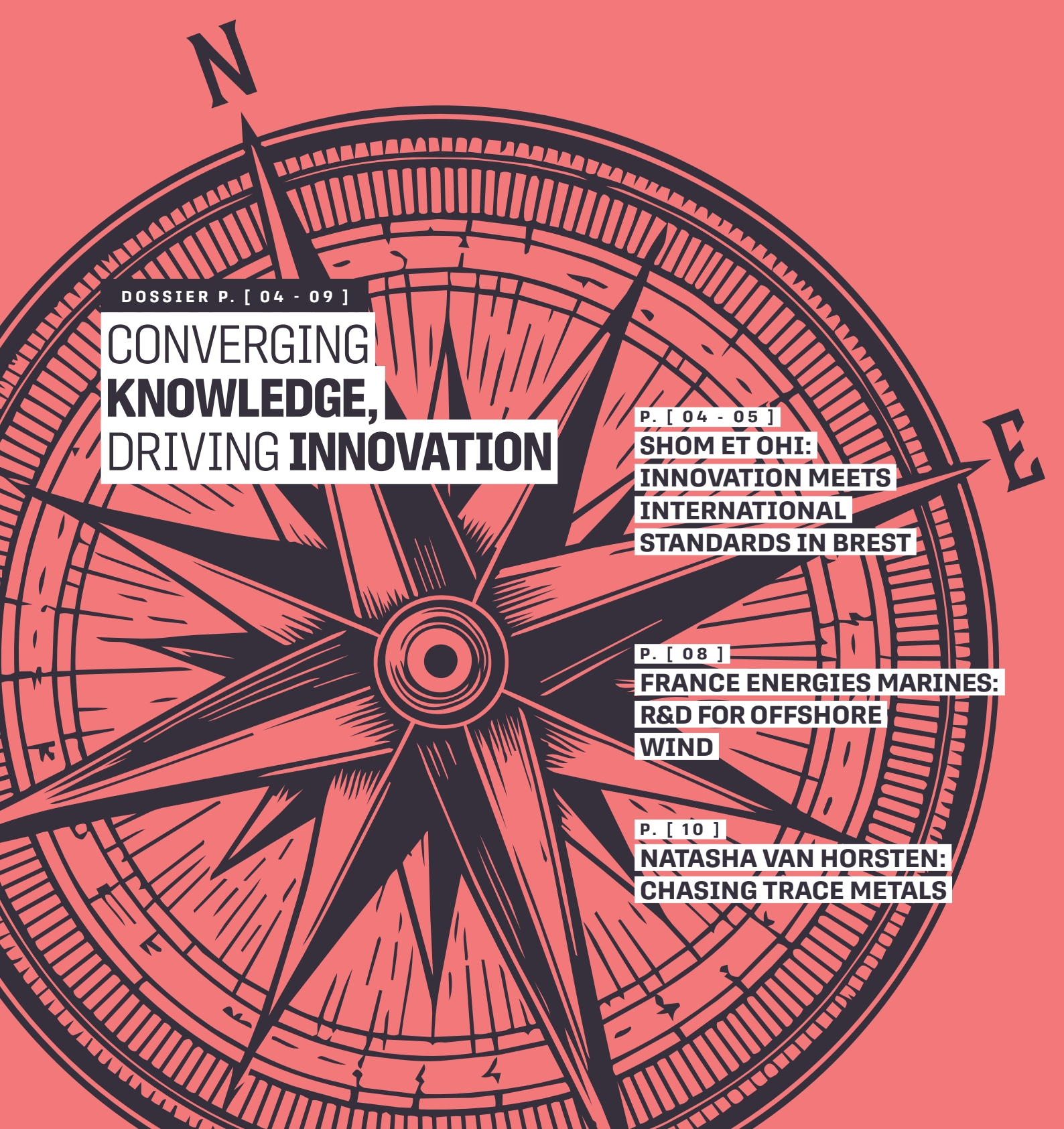


SONAR



CAMPUS
MONDIAL
DE LA MER

THE JOURNAL OF CAMPUS MONDIAL DE LA MER #15 - OCTOBER 2026

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CONVERGING
KNOWLEDGE,
DRIVING **INNOVATION**

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**NATASHA VAN HORSTEN:
CHASING TRACE METALS**

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Francisco Ribeiro de Menezes

Portuguese Ambassador to France

Sea Tech Week® – the not-to-be-missed event for anyone working on solutions to today's maritime challenges – is once again heading for Brest this October. It is an honour for Portugal to be chosen as the featured country this year, in recognition of our core Atlantic mission and a mature maritime ecosystem where the synergy between science, industry and society is driving European innovation, scientific ocean governance and the energy transition at sea.

With its maritime space approaching 4.1 million km², Portugal shares with France the tradition and the responsibility of innovating to protect two of the biggest areas of the Atlantic within the EU. Portugal hosted the second UN Ocean Conference in 2022, as well as launching the Sustainable Blue Economy Investment Forum (SBEIF). This year's Portuguese delegation is bringing a strategy and a set of clear commitments to Brest, with a network of businesses focused on decarbonisation, digitalisation and blue entrepreneurship.

Key to Portugal's presence is Fórum Oceano, a platform for more than 175 member organisations, covering ports, shipyards, aquaculture, biotechnology, marine energy, robotics, ocean observation and tourism. In addition to the Forum, Hub Azul Portugal and the Portugal Blue Digital Hub connect innovative SMEs, startups and European investors. Their collective goal is to bring specific solutions to Brest in areas such as marine pollution, sustainable aquaculture and the blue bioeconomy, water quality, maritime communications using microsatellites, and data-driven fisheries monitoring and management.

I see an opportunity to use these joint projects and initiatives to strengthen a model Franco-Portuguese relationship that is already being developed through research, business and our ports. Our ambition is simple yet demanding: to ensure that these initiatives translate into shared decision-making, sustainable investment and concrete solutions that make the blue economy a pillar of responsible competition for Portugal, France and Europe as a whole.

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6-8 October 2026: Sea Tech Week® 2026

16-18 October 2026: 10 years of Ocean Hackathon®

COMMUNICATIONS AND EVENTS

SEA TO SEA : BRETON MARITIME COMMUNICATIONS AGENCY REACHES NATIONWIDE

Based in the port of Concarneau, Sea to sea is a specialist communications agency operating in Brittany's blue economy. Made up of Stéphanie Roos Faujour and her team of two, Sea to sea supports maritime professionals in their technology transitions, both in Brittany and beyond.



© DR

The Sea to Sea team promoting the blue economy

Sea to sea was established in Lorient in 2008 before finding a new base in the heart of Concarneau. The agency plays a leading role in devising communication strategies for major players in the maritime ecosystem. Solène Le Berre, Sea to sea's public relations and events manager, explains: *"We offer communications that highlight both maritime professionals and their innovative projects that help with transitions."*

Diversified activities in marine science and the nautical sector

Sea to sea's clients include many of the big names in the sector, such as Piriou, Banque Populaire Grand Ouest and WISAMO. On the

events side, the agency leads the promotional work for the Itechmer fishing industry trade fair and is in charge of the Sea Tech Week® 2026 press trip.

Sea to sea is now taking its development further by diversifying into marine science and the nautical sector. While the majority of its clients are based in Brittany, the agency also has a national presence, working, for example, with the Mediterranean fishers' organisation OP du SUD and the Festival de Loire in Orléans.

information: seatosea.fr

INNOVATION

AMMONITE CONSULTING, A NEW FOCAL POINT FOR DUAL-USE MARITIME INNOVATION

A new player in dual-use maritime innovation has stepped on to the stage at the tip of Brittany. Ammonite Consulting was established last summer by Sébastien Tauvry, an expert in robotics and marine data. Previously head of Exail's Brest site, he is now putting his experience to use in innovative maritime projects for both civilian and military purposes.

When he set up Ammonite Consulting a year ago at Technopôle Brest-Iroise it was a logical step for Sébastien Tauvry. After obtaining a degree in underwater acoustic engineering, he developed his expertise in robotics and marine data through projects with a number of major civilian and military maritime companies and research institutes, including Thalès, Shom, Ifremer and IPEV. He then went on to join Exail as a systems engineer before heading up the company's site in Brest.

Based in Brest with an international reach

"I'd been working for medium-sized enterprises for some time and I wanted to return to projects that offered more opportunities for autonomy and agility. My vision was to continue working in the Brest area on further maritime innovation", Sébastien Tauvry explains. With over 25 years of experience in Brittany's maritime ecosystem,



© Technopôle Brest-Iroise

he is a networker who operates within both the Pôle Mer Bretagne Atlantique and Campus Mondial de la Mer.

He continues: *"I now work to support companies of all sizes from France and abroad with advice on technical installation and financing for civilian and dual-use projects."* He has just completed a benchmarking exercise on international marine testing centres. "I bring my technical expertise and offer technical and market research services, as well as networking and advice on understanding the French market", he says. In addition to clients in France, Sébastien Tauvry has also already expanded his reach to Germany and Canada.

Sébastien Tauvry, Director of Ammonite Consulting

CARTOGRAPHY



Nathalie Leidinger

Head of the Geospatial Products and Services Programme at Shom and Vice-Chair of the IHO Standards Committee



Éric Langlois

Assistant to the Directors of the IHO



SHOM & IHO

INNOVATION MEETS INTERNATIONAL STANDARDS IN BREST

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In Brest, France's Naval Hydrographic and Oceanographic Service (Shom) and the International Hydrographic Organization (IHO) are pooling their expertise with the aims of speeding up implementation of the S-100 Universal Hydrographic Data Model and providing a framework for open innovation in the maritime sphere. We consulted Éric Langlois, Assistant Director for Charting & Services at the IHO and Nathalie Leidinger, Head of Shom's Geospatial Product and Services Programme and Vice-Chair of its Hydrographic Services and Standards Committee.

How do Shom and the IHO work together in practical terms?

Éric Langlois: Shom is France's official representative at the IHO, an intergovernmental organisation established in Monaco in 1921 which currently has 104 member states. We pioneered producing marine data, and played an active role in drafting the overarching S-100 data standard and technical specifications such as the S-101 Electronic Navigational Chart standard, which is applied as conventional nautical charts are replaced.

Nathalie Leidinger: At Shom we employ 550 civilian and military personnel between our HQ in Brest and sites in Toulouse, Saint-Mandé, Nouméa and Papeete. We're trialling this standardisation and feeding back directly to the global standards system.

What advantages will the S-100 model bring over current electronic charts?

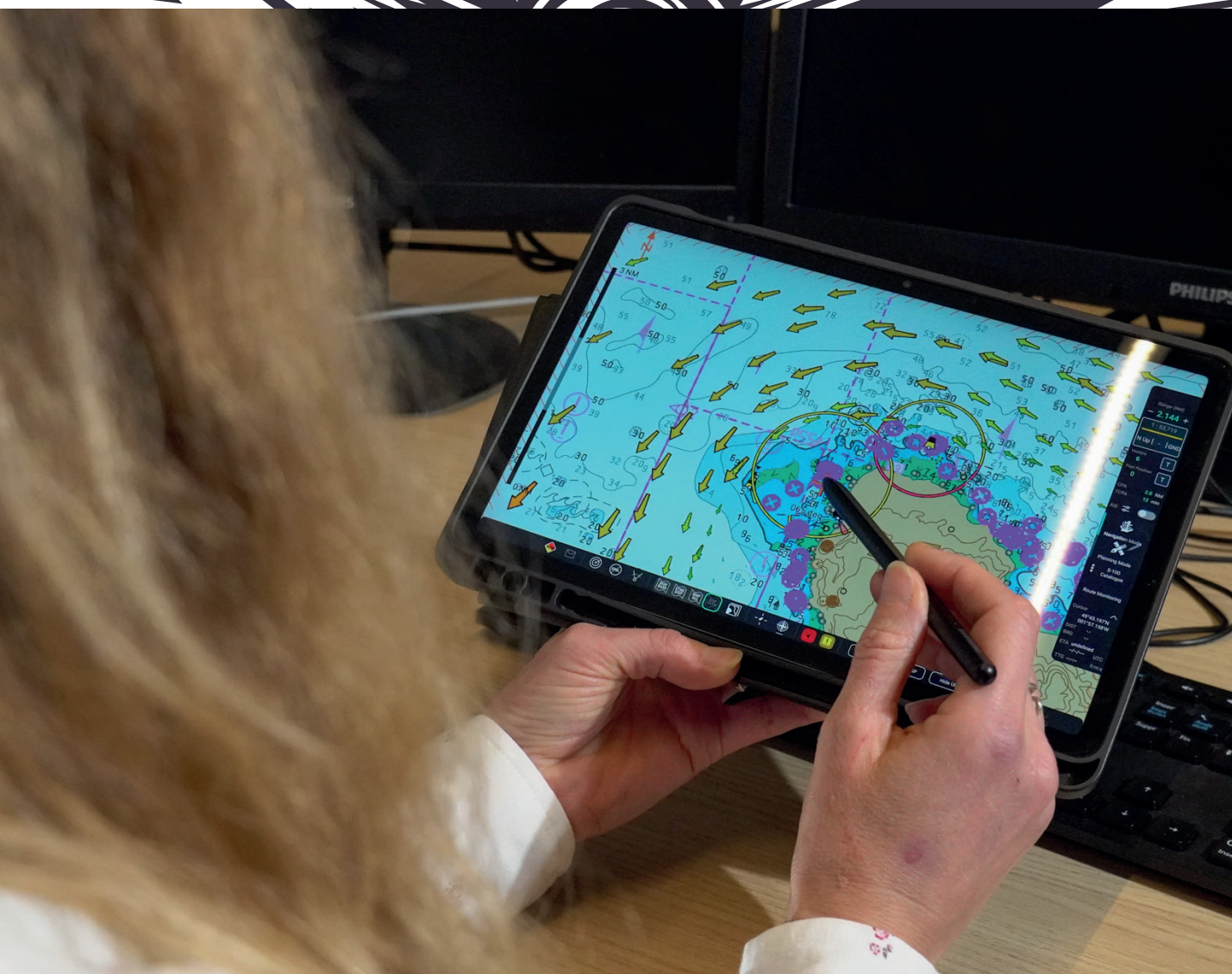
E.L.: The S-100 series goes beyond the rigid format of static maps to create a unified, interactive geospatial model. This enables us to aggregate multiple layers in real time, be they hydrography, signalling or meteorology, providing a joined-up overview for navigation.

N.L.: This interoperability means we can add high-resolution bathymetry data and water levels, pretty much in real time. The Electronic Chart Display and Information System (ECDIS) can use those to calculate the under-keel clearance along a vessel's route more precisely and dynamically, thus improving safety and optimising both port approaches and calls.

What are the main technological challenges to be resolved before the deadline of 1 January 2029 for all new ECDIS installations to be S-100 compatible?

E.L.: The major challenge lies in ensuring massive data flows can be distributed and transmitted towards very robust offshore terminals which are subject to strict safety standards – equivalent to those in the aeronautical industry.

N.L. : That's right, and I would add that using high resolution requires data quality to be tightly controlled, from bathymetric surveys out at sea to the finished product. We're testing this operationally in the English Channel, jointly with the UK, and supporting partner organisations internationally – for example our recent trials with the Port of Abidjan.



© Shom

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SONAR #15 The Journal of Campus Mondial de la Mer

How important are events such as Sea Tech Week® and Ocean Hackathon® for your institutions?

N.L. : Sea Tech Week® is a great showcase for our expertise. It's also a chance for us to have discussions with colleagues, find innovative companies and link up with the stakeholders who attend. Shom has long been a partner supplying data to Ocean Hackathon®, which benefits us too: in the wake of new standards come new products that open up massive opportunities for innovation. We hope that, by making our data available to the teams of developers and statisticians, we can help new services to emerge and benefit the blue economy.

E.L. : This year, the IHO will be an ambassador and data partner at Ocean Hackathon® for the first time. The aim is to have stakeholders from outside the maritime sphere examine our standards, stimulating disruptive innovations, especially using artificial intelligence. ●

Providing users with a comprehensive and interactive view: one of the innovations made possible by the S-100 standard.

➤ information:

Shom : shom.fr/en
International Hydrographic Organization (IHO): iho.int

"We co-designed this dual degree so that it would complement the general systems engineering training offered at ENIB. We wanted it to serve as a springboard for cooperation in R&D with IIT Goa. We've been developing dual degree programmes with these aims for over 15 years now but this one with IIT Goa is unique in being the first to be entirely in English and fully reciprocal."

Mikael Guégan, Director of International Relations at ENIB

ACADEMIC COOPERATION

ENIB ESTABLISHES PIONEERING DUAL DEGREE PROGRAMME WITH INDIA

Olivier Rivière has enrolled at IIT Goa to pursue a double degree with ENIB.

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The Brest National School of Engineering (ENIB) has reached a strategic milestone in its international cooperation. The approval of its first ever dual degree in partnership with the Indian Institute of Technology (IIT) in Goa represents a significant increase in Brest's academic and technical influence.

Olivier Rivière (23) is currently working on his final project at the IIT campus in Goa. Rivière is an engineer from Brest and is the first French student to complete the dual degree in marine science and technology, combining an ENIB general engineering degree with a specialist Indian masters programme.

An academic bridge linking Brest and Goa

Since the start of the 2025 academic year, IIT Goa has hosted the first cohort of this dual degree, comprising five students, of whom just one is French. Olivier Rivière is conducting advanced research there on autonomous underwater robotics. *"My masters topic is on the optimisation of path-planning algorithms for autonomous underwater vehicles, so they can adjust their route in real-time in response to marine currents and topographical obstacles"*, he explains.

Very smooth integration

The engineering courses at the two institutions share a common technical basis and so there were no methodological issues in the integration process. As Olivier Rivière points out, *"The teaching methods and academic requirements closely match European standards so my integration here was very smooth"*. The success of the process is confirmed by his research director. *"We're delighted to offer this dual degree programme with ENIB, bringing together shared fields of expertise and mutual interest. It's really great to see it bringing an international dimension to*

our course", says Sharad Sinha, Rivière's lecturer and supervisor at IIT Goa.

Widening career opportunities

For Olivier Rivière, this international dual degree is a valuable asset in terms of employability on the international marine technology market, which is always looking for experts with experience of multicultural collaboration. *"As I see it, the real benefits of this dual degree are the opportunity to acquire really specific knowledge in the underwater field and at the same time to have these eighteen months abroad which is helping to build my confidence and develop my international outlook"*, he explains.

The programme forms a new academic bridge between Brest and Goa, building on the links between France and India initiated during previous editions of Sea Tech Week® in Brest, when the Indian delegation consolidated its research partnerships. This cooperation is continuing with the first ever local edition of the Ocean Hackathon® held in Chennai this year. ●

Information:

École Nationale d'Ingénieurs de Brest (ENIB):
enib.fr/en_enib/
Indian Institute of Technology (IIT) Goa:
iitgoa.ac.in

MORE WOMEN IN MARITIME

THE WISTA BREST NETWORK FOR WOMEN IN THE BLUE ECONOMY

Bénédicte Ezvan-André heads up the Brest branch of WISTA France. She has assembled 25 women from the maritime sector to promote diversity in the relevant professions and will be attending both Sea Tech Week® and Ocean Hackathon®.



© WISTA

The 25 members of WISTA in Brest work in a variety of sectors including shipbuilding, ports, ocean research and marine energy. Since this international network for Women in Shipping and Trading Activities was first established in France in 2004, it has expanded to include 180 women working at major ports across the country. Ezvan-André explains: "We aim to make women's careers more visible within the blue economy which is currently undergoing a transformation." WISTA will be joint organisers of a round table at Sea Tech Week® 2026 on maritime scientific and technical professions. According to Ezvan-André, "We aim to shine a spotlight on women's inspirational maritime careers – be they in research, the Navy or merchant shipping – so we can challenge some of the stereotypes and show that women can access these

"Women are very much at home in the maritime sector."

careers. We want to demonstrate that women are very much at home in the maritime sector, and that WISTA is there to support them."

Ezvan-André will also be a coach at this year's Ocean Hackathon® from 16 to 18 October, using her experience managing innovative projects at France's Naval Hydrographic and Oceanographic Service (Shom) and Pôle Mer Bretagne Atlantique to help the competing teams formulate their ideas. ●

➤ **information:** Women in Shipping and Trading Activities (WISTA) www.wista.fr

SAFEGUARDS AND TRANSITION

CEREMA PLAYS A KEY ROLE IN COASTAL DEVELOPMENT

Cerema is at the heart of Brest's ecosystem, deploying technical expertise to help people in coastal communities tackle climate change and safeguard maritime activity.



© Cerema - François Hedou

Assessing the vulnerability of regions to erosion: one of Cerema's areas of expertise.

The Centre for Studies and Expertise on Risks, the Environment, Mobility and Urban Planning (Cerema) reports to the French Ministers for Spatial Planning and Ecological Transition. It supports local authorities as they manage their coastlines, planning, and port development while expanding marine renewable

energy – from wind turbines to new forms of ocean energy.

From national to local level

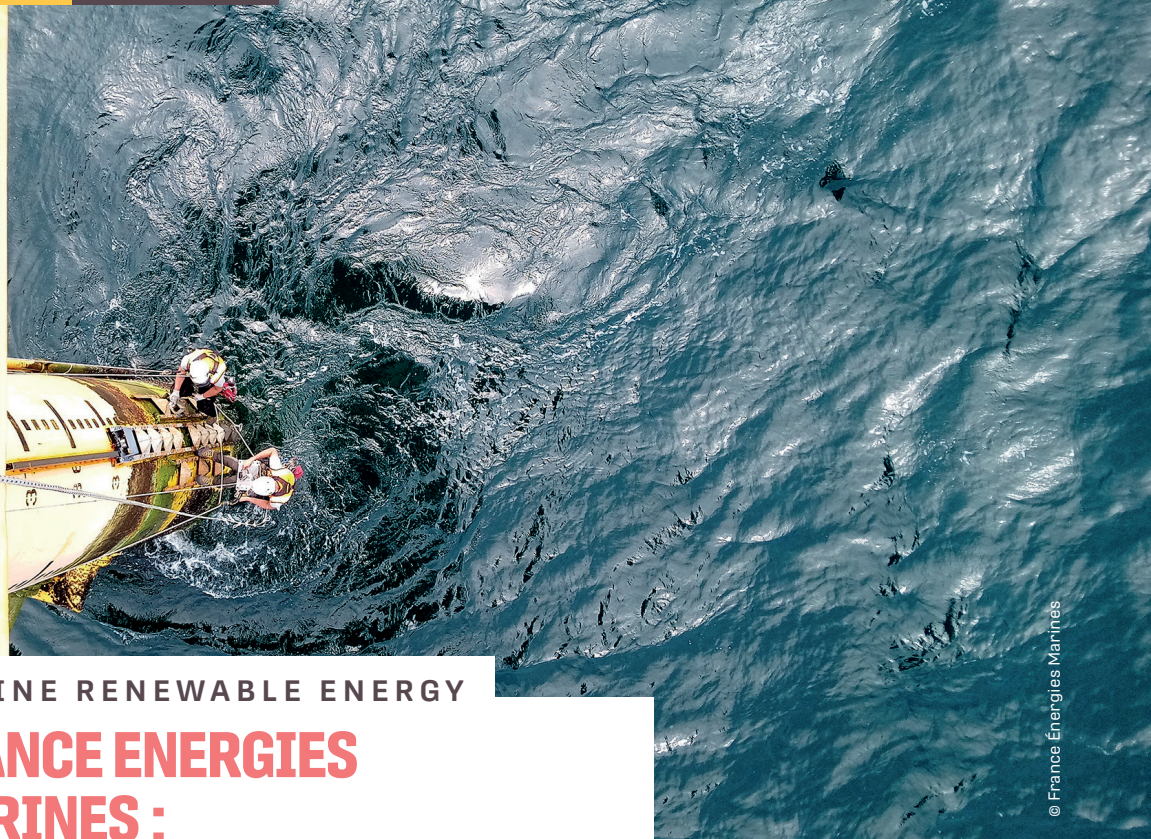
Matthieu Suire, head of the Sea and Coastlines group, tells us more: "We work on planning and climate adaptation, both nationally for central government and at local authority level." With a total of 2,500 employees across France, Cerema has 80 members of its Water, Sea and River Risk division working from Brest.

Ingénierie publique et transition environnementale

Cerema's main mission is to develop direct technical assistance and methodological tools, including software. For instance, it designed a flagship web app for assessing how vulnerable local areas are to coastal erosion, called *Le littoral*

de ma commune. Cerema also has teams piloting programmes with a major potential impact, such as for reusing processed waste water in coastal areas, or for the environmental monitoring of port activities. The Centre also plays an expert role in major local innovation events like Sea Tech Week® and Ocean Hackathon®, for which it supplies data on maritime transport as well as providing scientific support. Cerema is a 2026 Ocean Hackathon® Ambassador, and is hosting two Hackathon challenges: one in Toulon and the other in Brest. ●

➤ **information:** cerema.fr/en



© France Énergies Marines

MARINE RENEWABLE ENERGY

FRANCE ENERGIES MARINES : R&D FOR OFFSHORE WIND

France Energies Marines (FEM), a leading player in the French offshore wind sector, is positioning Finistère as Europe's key laboratory for floating offshore wind.

« France Energies Marines is transforming research into tangible industrial solutions for the offshore wind sector », explains Herveline Gaborieau, its executive director. The French state has approved this limited company, which employs a total of 90 in Brest, as an energy transition institute (ITE). « We work where operators' needs and academic excellence meet », Gaborieau says. « Our principal mission is to overcome technical or financial uncertainty through collaborative R&D ».

From raw data to industrial models

From its base on the western tip of Brittany, FEM deploys technological solutions to optimise wind farm performance, from initial site characterisation to AI-based predictive maintenance at a later stage. The most recent example of its work is the DRACCAR project, which uses an offshore measuring mast that can correlate wave dynamics with the mechanical stresses to which installations are subjected.

A network of 200 partners

With a network of over 200 partners, FEM brings together several major clients: energy firms such as EDF, Total Énergies and Iberdrola, and academic institutions such as Ifremer, ENSTA, the University of Western Brittany (UBO), IMT Atlantique, the Universities of Caen, Nantes and Le Havre, and the Centrale-Méditerranée school of engineering, with support from the regions of Brittany, Pays de la Loire, Normandy and Provence-Alpes-Côte d'Azur.

As a major actor in offshore wind, FEM will of course be represented at this year's Sea Tech Week®. In particular, the executive director will give a speech at a high-level session on marine renewable energy. The institute also has a presence at the Ocean Hackathon® through the UPWELLING project, which is supporting the event with a focus on marine renewable energy and promoting new applications for technology. ●



© France Énergies Marines

Information:

France Energies Marines:
<https://www.france-energies-marines.org/en/>
University of Western Brittany (UBO):
univ-brest.fr
École Nationale Supérieure des Techniques Avancées (ENSTA): ensta.fr/en
Institut Mines Télécom (IMT) Atlantique:
imt-atlantique.fr/en
DRACCAR project: <https://www.france-energies-marines.org/en/rd-project/draccar/>

The DAGGAR measurement mast: 90 metres high, weighing 1,800 tonnes, and fitted with state-of-the-art equipment and sensors.

INNOVATION

AIRBORNE WIND TURBINES PREPARES FOR THE SECOND PHASE OF OFFSHORE WIND

Venturix, a Brest-based start-up, is developing an airborne floating wind turbine using the Venturi effect. The company received initial backing from Ifremer, ENSTA and Technopôle Brest-Iroise, and has set a target of full-scale production by 2032. Its aim is to boost the performance of offshore wind farms.

Guillaume Desrocques, a qualified engineer from Brest, previously worked on tethered balloons. He then designed an airborne wind turbine attached to a balloon operating at heights of between 300 and 500 metres. This breakthrough innovation, making use of the Venturi effect (1), seeks to increase the load factor by 10% to 15% compared with current offshore solutions, with floats up to 10 times smaller than those used for conventional floating wind turbines. This should allow for prices of between € 55 and €70 per megawatt-hour – equivalent to the cost of electricity generated from gas.

Awards from Octo'pousse and French Tech Émergence

"Our technology is aimed at developers who want to enter a second phase of production at their offshore sites", Guillaume Desrocques says. Some 90% of his supplies are from France, and his intention is to use the infrastructure at the port of Brest to develop his concept.

Desrocques has a team of five, along with a specialist technical board of experts. The start-up has already secured €250,000 as an Octo'pousse competition winner, supplemented by

a French Tech Émergence grant of €90,000, in addition to €105,000 of the company's own funding. This gives a total of €445,000 for the first prototypes.

Fundraising now underway

A non-airborne prototype has already been tested on a mast and Venturix is now seeking to raise €1.3 million by November 2026 to fund a small-scale flying model. The goal is to achieve full-scale production from 2032, following three years of sea trials.

In order to secure the next stages of funding, Guillaume Desrocques is seeking an experienced fundraising partner, as well as other partners to create local synergies, specifically in onboard hydrogen production to ensure flight endurance. The Venturi effect is a physical phenomenon whereby a fluid (either gas or liquid) passing through a constricted pipe accelerates and loses pressure.

Guillaume Desrocques will be setting one of the challenges at Ocean Hackathon® 2026.

Information:

www.concours-octopousse.fr

MARINE RENEWABLE ENERGY

OFFSHORE WIND AND BIODIVERSITY TAKES ON MARINE DATA CHALLENGE

The French Office for Biodiversity (OFB) is a key player in conserving biodiversity. It works alongside Ifremer to support the French National Offshore Wind Observatory (ONEM) on behalf of national government ministries. ONEM has channelled finance into 33 projects to gather information on interactions between marine biodiversity and offshore wind farms, generating unprecedented volumes of data. We wanted to find out more.

« Maëlle Nexer, Observatory coordinator at the OFB, says: *"The National Offshore Wind Observatory plays a central role in providing access to hundreds of datasets on marine biodiversity".* She oversees a small project team leading the acquisition, organisation and accessibility of cutting-edge research data.

Data sharing for marine renewable energy

France is seeing a real boom in offshore wind projects, which Maëlle Nexer explains poses both scientific and logistical challenges: *"For example, we've gathered over 400 terabytes of acoustic data on birds. And that's from just one of over 30 projects."* The OFB is

managing this complexity by relying on both its own infrastructure and that shared across the FAIR ecosystem alliance. The alliance brings together the OFB, Ifremer, the French geological survey (BRGM), the National Institute of Geographic and Forest Information (IGN) and the National Museum of Natural History (MNHN). Maëlle Nexer explains: *"This synergy ensures we have interoperable systems and makes the user experience flow better for all, including government planning departments, consultancies and researchers."*

Innovating and combining data for new purposes

How can the OFB make the most of these massive and very varied data

flows that include bird telemetry, aerial surveys, acoustic data and benthic habitat monitoring? One way is through its participation as an ambassador at this year's Ocean Hackathon®. Here, the Office has set the ONDEX (ONEM Data Explorer) challenge which involves designing a tool to enable browsing, visualisation and cross-connection of these complex datasets. Having launched the Data ONEM portal in July to display all the available data cartographically, the OFB's next step will be to encourage the development of new applications that will reconcile preserving marine biodiversity with the energy transition.



© Maëlle Nexer

Information:

www.ofb.gouv.fr

INTERNATIONAL RESEARCHERS

CHASING TRACE METALS: NATASHA VAN HORSTEN'S GLOBAL SCIENTIFIC JOURNEY

Born in Namibia, Natasha Van Horsten discovered her calling relatively late. Today, as a research associate at Constructor University in Bremen, Germany, she looks back on a journey shaped by her joint PhD at the IUEM in Brest, her research on chromium, and her perspective on the maritime community in Brest.

Natasha van Horsten, you completed your PhD at the IUEM in Brest and still return there regularly. What does this city represent for you?

My time in Brest with my supervisors was decisive. I was looking for a high level of supervision, which I found thanks to the existing collaboration between Cape Town, where I studied, and France. What I learned there deeply stimulated my understanding of marine biogeochemistry. I have kept very precious professional and friendly contacts there.

You were born in Windhoek, the capital city of Namibia which is landlocked. How did your interest in the ocean begin?

I am a "late bloomer"! I originally studied pure chemistry. While working as a lab technician in South Africa, I met researchers studying the Southern Ocean. I was completely captivated by the way chemistry, biology, and physics interact to explain the ocean. My interest in the environment was already there, but my passion for the sea was born by immersing myself in that research environment.

You have lived in Namibia, South Africa, France, and now Germany. How has this international trajectory influenced your scientific perspective?

Working in different countries has made me much more flexible in new environments. In research, that considerably broadens your perspectives. My thesis focused on iron in the Southern Ocean.

Today, I am working in Bremen on chromium in subtropical coastal zones, and my past experiences continue to enrich my work on a daily basis.

What do your current research projects in Bremen involve?

I measure the redox speciation of chromium in the ocean, particularly in oxygen minimum zones along the coasts. Chromium has two main forms: chromium (VI), which is toxic, and chromium (III), which is bioactive. These forms respond to oxygen variations, which are intensifying with climate change.

What are the biggest challenges in your field?

Measuring trace metals at extremely low concentrations is a permanent analytical challenge. Added to that is the precarity of the academic world: working from project to project without a permanent position creates stressful uncertainty. Going on cruises at sea is definitely exciting, but processing all the data collected takes time that often exceeds available funding.

What is your view of the marine community in Brest?

Brest is globally recognized in marine sciences, and bridges with Germany remain natural, particularly via the international GEOTRACES community. Unlike Bremen which is also kind of landlocked, you constantly feel that maritime anchor point in daily life in Brest, notably through its institutes and civic initiatives. ●

✚ information:

Institut Universitaire Européen de la Mer (IUEM):
www-iuem.univ-brest.fr/?lang=en
 GEOTRACES: geotraces.org/
 Constructor university:
<https://constructor.university/>,
 Natasha's research group:
<https://andrea-koschinsky.org/>





OCEAN HACKATHON® CELEBRATES 10 YEARS

"48 hours to decode the sea" – that was the slogan of the very first Ocean Hackathon® held in Brest in October 2016 and organised by Technopôle Brest-Iroise. Ten years on, Ocean Hackathon® has become an international event specifically focused on marine data.

Ocean Hackathon® originated in Brest in 2016. The French Marine Protected Areas Agency, the French Naval Hydrographic and Oceanographic Service (Shom), Brest Métropole, CLS and others contributed to the initiative and shared their experience of hackathons. The original event was made possible by the three-way partnership of Campus Mondial de la Mer, French Tech Brest+ and MORESPACE, supported by Pôle Mer Bretagne Atlantique. Their ambition was to make data freely accessible to enable the development of new products and services and firmly establish the tip of Brittany as a global centre for studying and working with the sea and its resources. The initial vision bore fruit, boosted by Sea Tech Week® 2016 with its theme of 'Sea and Digital Technologies.'

Having been launched in Brest, the Hackathon began to spread its wings in 2019 when for the first time one of the initial selection rounds was held outside France, in Mexico. Since then, Ocean Hackathon® has been organised in 34 towns and cities around the world, coordinated by Campus Mondial de la Mer. A special mention also goes to TVT Innovation which has been steadfast in its support: "Ocean Hackathon® brings together innovative businesses, research laboratories, students and local authorities. It provides an opportunity for knowledge-sharing and networking, significantly strengthening the digital and marine ecosystems." Ocean Hackathon® has featured more than 510 challenges and over 4,510 team members. Each edition involves a community of interest with coaching from over a hundred

experts. "Ocean Hackathon® enables a technological building block to be tested which will then be consolidated within the challenge owner organisation – this sometimes leads to employment for participants." (Technopôle Brest-Iroise) Since 2021, the Ocean Hackathon® data architecture has been based on the Sextant geographic data infrastructure operated by Ifremer. The event's original partners, including Shom, Météo France and EMODnet, have since been joined by other organisations. In 2026 these include the EMBRC, IHO and Ocean Networks Canada. Come and celebrate our 10th anniversary with us at the Grand Final on 10 December 2026 at Océanopolis (Brest, France). ●

More than
510 challenges
4,510 teammates

A community
of interest,
supported at
each event by
over
100 experts

Information:

¹ Predecessor of the French Biodiversity Agency (OFB): www.ofb.gouv.fr

² Predecessor of Tech Brest Bretagne Ouest: www.ft-brestbretagneouest.bzh

³ The Toulon economic development agency: <https://www.tvt.fr/>

⁴ EMBRC : European Marine Biological Resource Centre

⁵ IHO: International Hydrographic Organisation



BEST LIFE

CAMPUS MONDIAL DE LA MER

SEA BREST-FRANCE TECH WEEK

www.seatechweek.eu

INTERNATIONAL MARINE SCIENCE AND TECHNOLOGY WEEK

6-8 OCT. 2026

Le Quartz Congress Centre
Brest • France

PORTUGAL FEATURED COUNTRY

EXHIBITION CONFERENCES MEETINGS

2021 United Nations Decade of Ocean Science for Sustainable Development

European Commission

Les Journées de l'Innovation Maritime

SAFERSEA

TECHNOPÔLE BREST - IROISE

Interreg Atlantic Area

Co-funded by the European Union

SAFERSEA

TECHNOPÔLE BREST - IROISE

Conception graphique : Agence Coquelikobzh

www.seatechweek.eu/



OCEAN HACKATHON

16 | 18 OCT 2026

2021 United Nations Decade of Ocean Science for Sustainable Development

Coordinated by: **OCEAN HACKATHON**

Organised by: **TECHNOPÔLE BREST - IROISE**

In partnership with: **Brest**, **Interreg Atlantic Area**, **Co-funded by the European Union**, **UP**

Logos: République Française, Océanopolis, EMBRC, OFB, Ifremer, IHO, Mercator Ocean International, SHOM, Copernicus Marine Service, L'océan en référence.

www.ocean-hackathon.fr

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