

Naturally powered by **MARIN**
BETTER SHIPS, BLUE OCEANS

More information and registration
www.blueforum.org
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PROGRAMME 2022

- Public event: On board SS Rotterdam & online livestreaming (otherwise mentioned)
- Members only meetings linked with Blue Forum
- Members only meetings linked with FPSO Forum

Monday 13 June

9.00 - 12.00	
members only meetings	MoniMoor kick-off
10.00 - 12.00	Greenwater JIP
members only meetings	HITS 8 JIP
WASP Interreg North Sea Region Project	
12.00 - 13.00 LUNCH	
13.00 - 18.00	13.30 - 17.00
Natural Propulsion Seminar	members only meetings
	Life Line JIP
	Greenwater JIP
	HITS 8 JIP
	HiTeAM JIP
Drinks	

Tuesday 14 June

9.00 - 12.00	
members only meetings	members only meetings
International Windship Association	DONUT JIP
WASP Interreg North Sea Region Project	HAWAII JIP
NEEDS Horizon Europe	Monitas User Group
	ComFLOW User Group
12.00 - 13.00 LUNCH	
13.00 - 18.00	13.30 - 17.00
Zero Emission Seminar	members only meetings
	Strengthbond JIP
	HAWAII JIP
	Breakin CFD JIP
	Monitas User Group
	Open public meeting
	Green FPSO JIP
	13.30 - 17.00
	members only meetings
	WISP2 JIP
	17.30 - 18.30
	JIP managers meeting
18.00 - 19.00 Drinks on the deck	

Wednesday 15 June

8.30 - 9.45	9.00 - 12.00
Financial roundtable	members only meeting
Sustainable Investments	Optiwise Horizon Europe Project
10.00 - 12.00	
Blue Forum & FPSO Forum	
12.00 - 13.30 LUNCH	
13.30 - 17.00	13.30 - 17.00
Blue Forum & FPSO Forum	members only meetings
Creating together a sustainable future	Optiwise Horizon Europe Project
17.30 Drinks at the bow	
19.00 Dinner	

Thursday 16 June

9.00 - 12.00	9.00 - 12.00
Mooring systems for Offshore Energy	members only meetings
A joint initiative from	Optiwise Horizon Europe Project
Ocean Energy Seminar	9.00 - 12.00
Mooring Integrity User Group	Offloading Operations JIP
	FloGas JIP
12.00 - 13.00 LUNCH	
13.00 - 17.00	13.30 - 17.00
Mooring systems for Offshore Energy	members only meetings
A joint initiative from	Optiwise Horizon Europe Project
Ocean Energy Seminar	
Mooring Integrity User Group	
18.00 - 20.00 Drinks & bites on the deck	

Friday 17 June

9.00 – 12.00
Workshops
The Future North Sea – A Balanced Powerhouse
12.00 – 13.00 LUNCH
13.00 – 17.00
The Future North Sea – A Balanced Powerhouse
A joint initiative from
Blue Life Seminar
Community of practice
North Sea
TKI Wind op Zee
workshop onboard
no livestreaming
Drinks & closure Week

Natural Propulsion Seminar

Monday, 13 June 2022

Day chairman: Rogier Eggers



You are welcome to join us on board or online - [click here to register](#)

12.00 hr	Registration & Lunch
13.00 hr	Opening Blue Week 2022 Guilhem Gaillarde, Chairman Blue Forum Rogier Eggers, Chairman Natural Propulsion Seminar Gavin Allwright, Secretary International WindShip Association IWSA
13.10 hr	Session 1: Modelling <ul style="list-style-type: none"> • EEDI/EEXI: on the flip side of the IMO50% guidelines Franceco Stella, Performance Engineer, Computed Wing Sail, France • Effective wind modelling for performance predictions, including for EEDI/EEXI Joost Schot, Project Manager, MARIN, The Netherlands • Demonstrating the performance of wind propulsion technology on sea-going vessels Sofia Werner, Manager Strategic Research, SSPA, Sweden • Identifying the potential for energy efficiency gains in wind-hybrid propulsion systems Joshua Lacey, Assistant Professor, KU Leven, Germany • Q&A / panel discussion led by Gavin Allwright (International Windship Association)
14.45 hr	Pause
15.10 hr	Session 2: Project updates <ul style="list-style-type: none"> • OPTIWISE Horizon Europe research project Rogier Eggers, Project Manager, MARIN, The Netherlands • Material selectin considerations for WASP applications thomas James, Marine Business Development, Hexcel Corporation, USA • SeaKyte, by Yves Parlier Yves Parlier, CEO, Beyond the Sea, France • Neoliner pilot-project: a sailing entrepreneurship feedback Jean Zanuttini, President, Neoline, France • All Sail Set: fully wind powered retrofits for low-cost container service Miles Keeney-Ritchie, head of company, Aloft Shipping, UK • How solar power could help to accelerate the transition towards sustainable shipping Bo Salet, Founder & CEO, Wattlab, the Netherlands • SKYTUG: Primary wind propulsion for all ships James McGarley, Managing Director, Bluewater Engineering Limited, UK
16.20 hr	Pause
16.45 hr	Session 3: Ships & Propulsors <ul style="list-style-type: none"> • Wind Ship Assisted propulsion: no time to loose. Suction Sail part of the solution David Ferrer Desclaux, CTO, Bound4Blue, Spain • Advanced Wing Systems innovations in wind assisted ship propulsion Greg Johnston, Founder & CEO, Advanced Wing Systems, USA/Australia/Spain • Wind propulsion for Shipping: today's best ready-to-implement solution to reduce immediatly emissions Niels Joyeux, CEO & Co-founder, Zephyr & Borrée, France • Q&A / panel discussion led by Gavin Allwright (International Windship Association)
18.00 hr	Closure & drinks at the bow

Zero Emission Seminar

Tuesday, 14 June 2022

Day chairman: Christian Veldhuis



You are welcome to join us on board or online - [click here to register](#)

9.00 hr	Members only meetings: please check the exact planning directly with your consortium or project leader. <ul style="list-style-type: none"> • International Windship Association members meeting • WASP Interreg project meeting
12.00 hr	Registration & Lunch
13.00 hr	Zero Emission Seminar Christian Veldhuis, Chairman Zero Emission Seminar
13.10 hr	Session 1: Ships solutions <ul style="list-style-type: none"> • The futur of container ships: methanol en beyond Emiliano Austi, Director Fleet Technology Maersk, Denmark • Low carbon ship design Alexandre Bellot, Research Project Coordinator, LMG Marin, Norway/France • Q&A or panel discussion
14.10 hr	Pause
14.20 hr	Session 2: Storage Challenges <ul style="list-style-type: none"> • Sodium Borohydride: bringing a solide hydrogen carrier on board ships Hans te Siepe, Director, H2 Cicular Fuel BV, the Netherlands • Safety challenges when integrating clean fuels on board ships Willemien Verdonk, Senior Specialist, Lloyds Register, UK • Q&A or panel discussion
15.20 hr	Pause
15.50 hr	Session 3: Power solutions <ul style="list-style-type: none"> • ICE developments and challenges Kaj Portin, General Manager Sustainable Fuels & Decarbonisation, Wartsila, Finland • H2 PEMFC developments, challenges and steps towards standardisation Jogchum Bruinsma, Application Manager Maritime, Nedstack, the Netherlands • Q&A or panel discussion
16.50 hr	Pause
17.00 hr	Session 4: Zero Emission Chain <ul style="list-style-type: none"> • The role of LCA in sustainable ship design Jelena Dolecek, Water Revolution Foundation, the Netherlands • Zero Emission shipping research: progress made and steps to take Christian Veldhuis, Senior Project Manager, MARIN, the Netherlands • Q&A or panel discussion
18.00 hr	Drinks at the bow

Joint initiative Blue Forum & FPSO Research Forum Wednesday, 15 June 2022



Day chair:

Session 1: Saskia Kunst & Olaf Waals

Sessions 2&3: Guilhem Gaillarde & Olaf Waals

You are welcome to join us on board or online - [click here to register](#)

from 8.30 hr	Registration & coffee
8.30 hr	Morning pre-forum financial Session: Sustainable Investments enabling your route to zero A round table organised with Prow Capital, ABN AMRO, ING Bank, Rotterdam Maritime Service Community
10.00 hr	Opening FORUM & Welcome words Guilhem Gaillarde & Olaf Waals, MARIN Petra de Groene, Director Economic Affairs and Sustainability, City of Rotterdam
10.15 hr	Session 1: Renewable Energy Production & Storage Chair & moderator: Saskia Kunst - Chairman Supervisory Board Energy Transition Fund Rotterdam, Director Switch2Offshore Quandr session and audience interaction: Olaf Waals, Manager Offshore @ MARIN
	<ul style="list-style-type: none"> • Trends in Floating Wind Market & Engineering Fons Huijs, Consultant Floating Wind, GustoMSC, the Netherlands • Scaling up Offshore Floating Solar Production Don Hoogendoorn, CTO, SolarDuck, the Netherlands • Green FPSO: a floating solution for large storage capacity offshore Jaap de Wilde, Senior Project Manager, MARIN, the Netherlands • H2Sines-RDAM: First Green Hydrogen Export - Import corridor between Portugal and the Netherlands Nils Grobet, Project Leader / Business Development, Engie, France • Gravity Storage System for Renewable Energy Robert Werner, General Manager, Heindl Energy, Germany • Q&A or panel discussion
12.00 hr	Lunch
13.30 hr	Session 2: Sustainable Alternative Energy Carriers & Power: changes ahead in operations & logistics Chair & moderator: Guilhem Gaillarde, Manager Ships @ MARIN Quandr session and audience interaction: Olaf Waals, Manager Offshore @ MARIN
	<ul style="list-style-type: none"> • Charging Offshore: e-Buoy concept Govert Wagenaar, Bluewater, the Netherlands • Terminals for new energies: developments aheads Philippe Lavagna, Product account Manager, Imodco / SBM Offshore Group, Monaco • Sustainable Alternative Power for Ships: environmental performance and financial considerations Maarten van der Klip, PROW Capital, the Netherlands • Wind Hunter ~ creating zero emission vessels ~ Kentaro Shima, General Manager, Technology Research Center, MOL, Japan • Wind: the ready-to-use sustainable power source for shipping Gavin Allwright, Secretary, International Wind Ship Association, UK • Q&A or panel discussion

15.15 hr 15.45 hr	<p>Coffee & refreshment break</p> <p>Session 3: Local & Regional energy transition actions and strategies</p> <p>Chair & moderator: Guilhem Gaillarde, Manager Ships @ MARIN</p> <p>Quandr session and audience interaction: Olaf Waals, Manager Offshore @ MARIN</p> <ul style="list-style-type: none"> <p>• SWIM hydrogen-electric propulsion: accelerating the energy transition in Rotterdam with an iconic water taxi</p> <p>Maarten Fontein, Head of Thrust, Enviu, Jonas Brendelberger, Co-founder zepp.solutions, Gijsbert van Marrewijk, Co-founder Flying Fish, the Netherlands</p> <p>• Engine Off, Shore power on: pluggin-in the world's largest crane vessels to clean power from the shore</p> <p>Meike Kolthof, Sustainability Manager, Heerema, the Netherlands</p> <p>• Impacts of zero carbon electrofuels for shipping in the case of the Shetland Islands</p> <p>Graeme MacLean, Ricardo, UK</p> <p>• Energy transition pathway in Balearic Islands</p> <p>Pep Malagrava Rigo, DG Energy & climate Change and Ferran Rosa Gaspar, Institut Balear de l'Energia, Spain</p> <p>• Achieving a complete renewable energy supply with indigenous resources in Hawaii: the ambitions, plans, current status and challenges</p> <p>Richard Rocheleau, Director, Hawaii Natural Energy Institute, USA</p> <p>• Q&A or panel discussion</p>
17.30 h 19.00 hr	<p>Drinks on the deck</p> <p>Dinner</p>

Ocean Energy Seminar: Mooring systems for renewable Offshore Energy Thursday, 16 June 2022



In collaboration with:
Mooring Integrity User Group (FPSO research Forum)

Day chairmen:
Arun Duggal (SOFEC) & Erik-Jan de Ridder

You are welcome to join us on board or online - [click here to register](#)

9.00 hr	Registration
9.30 hr	Mooring systems for Offshore Renewable Energy - morning sessions Chairmen: Arun Dugal (SOFEC) & Erik-Jan de Ridder Contributions covering experience of mooring systems gained in the Offshore Oil&Gas sector to be possibly applied for floating wind and solar as well as storage units will be presented. Presentations and discussions on a variety of topics focusing on the fatigue performance of aged in-service mooring chain, mooring line monitoring, mooring design for floating offshore wind and advances in the use of synthetic ropes and mooring components. Presenters are from Equinor, SBM, Bluewater, Principle Power, DNV, Bridon and others.
12.00 hr	Lunch
13.00 hr	Mooring systems for Offshore Renewable Energy - afternoon sessions Continuation of presentations on mooring systems
17.00 hr	Drinks on the sundeck

Blue Life & Ocean Energy Workshop: The Future North Sea – A Balanced Powerhouse

Friday, 17 June 2022



Day Presenter: Sophie van Hoytema

Day Chair: Floor Spaargaren



You are welcome to join us on board or online - [click here to register](#)

	<p>Energy, food and nature are all competing for space on the North Sea. How do we find the ideal balance between all stakeholders involved? The North Sea is on the one hand already an important source of energy and food, and on the other hand also our largest nature reserve. At the same time, we are getting increasingly more dependent on it by the day.</p> <p>We are asking a lot from the North Sea and new plans to gain more from it are stacking up. That is why the Community of Practice North Sea (CoP North Sea), TKI Wind op Zee, and MARIN join forces to show a glimpse of a successful future of our dear North Sea. The challenge at hand: how can all the stakeholders together make the North Sea a balanced powerhouse?</p>
9.00 hr	Registration & reception
9.30 hr	<p>Opening & Welcome</p> <p>Sophie van Hoytema, day presenter</p> <p>Floor Spaargaren, Blue Life seminar chairwoman</p>
9.40 hr	<p>Plenary session</p> <ul style="list-style-type: none"> • Setting the stage: The Future North Sea – A Balanced Powerhouse Bob Meijer, TKI Wind Op Zee • Round Table Heleen Vollers, Stichting De Noordzee (North Sea Foundation) Nico Buytendijk, CoP
10.25 hr	Short break and room change
10.45 hr	<p>Breakout sessions: round 1</p> <ul style="list-style-type: none"> • 1A: A new business model for the North Sea - Discussion format Our current economic models are based on the principle of economic growth. Within this line of thinking, we want to keep growing our activity at the North Sea and use up more space. However, the North Sea is not infinite, which makes us wonder if there is an alternative, more sustainable business model to explore. We look at what really matters for a sustainable future and how we can use it wisely, whilst at the same time still prosper. • 1B: Floating solar at the North Sea - Discussion format Wind and solar energy can complement each other, for they derive their energy from different weather elements. Some pilots are already in place near- and offshore, but is floating solar something we can fortify within our catalogue of renewable energy at sea? And keeping system integration in mind, why not in the middle of a wind park using the connections that are already in place? Looking at large-scale floating solar, some questions arise: how large can build solar panel fields on the water, how much space do they take up, and what are the effects of shadow for sea life below the panels? • 1C: Energy or migration? The impact of wind farms on birds and bats - Presentation Wind turbines deliver us the essential renewable energy we need for our society. But they come at a cost. Migrating birds and bats find the turbines on their routes and fall victim to the rotating turbine blades. The WOZEP-project aims to quickly learn about the movement of birds and bats and how we can accommodate both their natural migration and our need for renewables from sea. • 1D: Maritime Spatial Planning of the North & Baltic Sea - Presentation The North Sea is larger than just the space incorporated into Dutch frontiers. This makes the discussion of a roadmap of the sea also an international one. So what are the innovations in shipping, fishery, and multi-use across borders and what lessons can we learn for the 12 participating member states? And which ones do we factor in?

12.00 hr	Lunch
13.00 hr	Breakout sessions: round 2
	<ul style="list-style-type: none"> 2A: Safety at sea - Presentation In the Netherlands, three offshore wind parks are open to certain types of vessels: Egmond aan Zee, Princes Amalia, and Luchterduinen, while others remain closed off. What are the main dangers of letting vessels pass in these parks with expensive installations and what can we do to mitigate those risks? With the recent storm, we have seen a glimpse of the damage ships can do to a wind turbine. Is a guardrail a potential solution, or rather floaters surrounding the monopile? 2B: Get creative with seaweed - Discussion format Can you eat it? Can you make clothes out of it? Can you make money with/ from it? Seeing as the answer is 'yes' to each question, you might start to think that seaweed is the new gold. What can you actually do with seaweed? How big will the demand be, and how can we make that demand grow? And why should we invest in seaweed? We ask the new experts on this natural resource why it's smart to move from bitcoins to seaweed in the new blue economy. 2C: Green shipping - How can we build a wind farm emission-free - Discussion format For the construction and maintenance of wind farms, an array of vessels are needed. With the offshore wind sector reaching maturity, the demand for more sustainable ships is growing. And the industry is responding to it. This is one other step needed towards emission-free wind farms. 2D: Installation with a nature-inclusive perspective - Presentation The installation of wind turbines can be a disruptive process for the natural environment in which they are build, such as vibrations when drilling a monopile into the ground. GBM Works is one of the companies working on a solution to mitigate this disruption. Additionally, they are part of the consortium of SIMOX, a project that is researching alternatives to conventional hammering. But what are the consequences of these 'new sounds' and how can this project help policy in setting new norms and ways of measuring sound.
14.15 hr	Break and room change
14.30 hr	Breakout sessions: round 3
	<ul style="list-style-type: none"> 3A: Realisation of a Maripark - Presentation There are different types of industrial areas at sea such as hydrogen, wind, and food farms. Looking at the activities above and under the water surface, is there a way to combine multiple activities at one location. At the moment, multiple pilots are being rolled out and can hopefully give us valuable insight into large-scale applications 3B: Alternatives for renewable energy - room for wave and tidal energy? - Discussion format When discussing renewable energy at the North Sea, wind energy is the dominant source. At the same time, the potential of floating solar is getting tested in pilots near- and offshore. But what about other forms of renewable energy such as wave and tidal? What is their place in this ecosystem? 3C: Monitoring of the renewable energy concept and its impact on the ecosystems - Discussion format When new renewable energy concepts are deployed it is important to monitor them in different areas, such as loads and impact on the natural ecosystem. To be aware of the habitat changes, biologists frequently discuss the importance of collecting data to be able to monitor this. SSE Renewables is a company that is working on offsetting this.
15.45 hr	Plenary closing - The new map of the North Sea
16.00 hr	Drinks and closure - End of the 2022 BlueWeek edition

