

CALL FOR ABSTRACTS

FOWT 2027: April 7–9, Marseille, France

DEADLINE: September 25th, 2026, 4 p.m. Paris time

Official language is English

The Organization Committee is opening a new call for abstracts for its 2027 edition. This edition will mark a change in the conference, with a new format and new speaking opportunities.

Our traditional **plenary sessions** have been revamped to cover high-level topics, with a new format allowing for more discussion between speakers of differing perspectives. **Technical sessions** will center exclusively on the latest scientific research and results. To complement them, a **poster session** will be organized to give a new voice to a wider range of participants.

There is no limit on the number of abstracts submitted per entity. However, each entity may only be selected to speak once per session type (plenary, technical/poster). The Organization Committee reserves the right to invite speakers who have not submitted abstracts.

All abstracts and presentations must be original and must not have been presented previously. Promotional or sales-oriented content will not be accepted, nor will material that is already publicly available on a company's or organization's website.

Submissions must be tailored to a specific topic. Each topic will be translated into a session composed of 4 to 5 speakers. Session titles are subject to change after selection of the abstracts.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



Table of contents

Plenary sessions	3
1. Navigating towards bankability and investability of floating wind projects	3
2. Recipes for success by 2035: integrating economic necessities and technological progress	4
3. Engineering and developing floating wind farms for today's and tomorrow's geopolitical, environmental, and spatial constraints	5
Technical sessions	5
1. Environmental impact	6
2. Floating substations and electrical components	6
3. Performance and control	6
4. Monitoring technologies, strategies, and DT application	7
5. T&I / O&M – Assessment and improvement	7
6. Mooring systems: performance, inspection and lifetime extension	8
7. Metocean site characterization for FOW, specificities and climate change effect	8
8. Socio-economic impact of wind farms and promoting co activity	9
Poster session	9
Abstract submissions guidelines	10
Selection criteria and timeline	11

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



Plenary sessions

Submissions to plenary session topics must be accessible to a general professional audience while remaining of high quality and relevance (experience-based). High-level speakers are appreciated.

1. Navigating towards bankability and investability of floating wind projects

As the industry has evolved from a technology focus to a bankability focus, please present abstracts that cover the following highly specific topics. This round table will cover key factors which help commercial-scale projects reach final investment decision (FID).

- What makes a project truly investable?
- What are the key factors to attract investment in a commercial-scale floating project today?
- What risks are still present in the development of floating wind and how does the industry anticipate unknown unknowns?
- How should developers build supplier partnerships that will secure both bankability and execution?
- What is operational return on experience worth to lenders, insurers and investors?
- What value do demonstration projects, pilot farms and commercial operational data really create, and can newcomers compete without a proven track record?

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



2. Recipes for success by 2035: integrating economic necessities and technological progress

The next challenge is no longer to launch projects, but to ensure their large-scale roll-out by 2035 and before. This round table will describe key conditions needed to scale floating wind to commercial deployment by 2035.

- Can local content requirements accelerate industrialization without undermining project economics?
- What balance between innovation, cost, and execution will lead to successful projects?
- Which technologies, supply-chain strategies and risk mitigation solutions will meet commercial-scale deployment?
- Are today's industrial and procurement strategies fit for the next decade of floating wind?

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



3. Engineering and developing floating wind farms for today's and tomorrow's geopolitical, environmental, and spatial constraints

As floating wind moves toward gigawatt-scale deployment, projects will need to balance industrial scalability, installation and maintenance constraints as well as evolving offshore infrastructure needs, while also accounting for increasingly complex spatial and environmental conditions. This panel will explore how floating wind farms can be designed as integrated offshore systems, addressing industrial, operational, environmental and co-activity constraints together.

- How should gigawatt-scale floating wind farms be designed and delivered to optimize performance, reliability and constructability?
- How do co-activities such as shipping routes, fishing areas, military zones and emerging marine uses influence design choices?
- How should biodiversity preservation and environmental constraints be incorporated into early-stage engineering and execution decisions without compromising industrial scalability?

Technical sessions

Submissions to technical sessions must be highly technical/scientific, aimed at a specialized audience. The selected abstracts will be expected to be translated into PowerPoint presentations lasting no longer than 10 slides, using the presentation template which will be provided by the Organization Committee.

Abstracts not selected for technical sessions have a chance to be selected for FOWT's poster session. Please make sure to indicate if you wish to also submit your abstract for the poster session.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



1. Environmental impact

We expect findings regarding new monitoring but also modeling technique addressing the ecosystems in interactions with floating wind unit and/or farms, covering all the biological compartments, from the benthos to the avifauna. Works dealing with the exploitation of the monitoring and modeling outcomes to understand further the impact of floating wind on the ecosystems are also welcome.

2. Floating substations and electrical components

We invite technical presentations focused on advancing technology for HVAC and HVDC floating offshore wind substations. Contributions could examine how export cables and electrical equipment accommodate the motions of floating substructures as well as power increase challenges. Studies improving design, reliability, or integration are strongly encouraged. Work addressing current technology gaps or proposing innovative engineering approaches as well as evolution or adaptation of applicable standards will also be valued.

3. Performance and control

In this session we expect findings regarding the performance of FOWTs for yield purposes. Talks may cover design choices, active control strategies, power curve and wake effect studies. They may also encompass global cost optimization through yield/fatigue trade-off. Experimental studies at full or model scale are welcome as well as numerical experiments targeting the topic of the session.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



4. Monitoring technologies, strategies, and DT application

We welcome contributions presenting innovative monitoring technologies and strategies at the component, turbine, and wind-farm scales. Submissions may address advancements in measurement systems, data acquisition, or performance-tracking methods tailored to floating offshore environments. Research work that pushes the boundaries of current monitoring practices and supports next-generation floating wind development is highly valued. We particularly encourage studies demonstrating Digital Twin applications, whether through real-world deployments or detailed case studies. Work highlighting how such tools enhance predictive maintenance, structural integrity assessment, or operational optimization is of strong interest.

5. T&I / O&M – Assessment and improvement

We expect technical contributions addressing installation challenges and operational planning for floating offshore wind at the (gigawatt) farm scale. Studies on installation sequencing, weather window optimisation, and logistics modelling for large scale floating deployments are particularly relevant. Work examining accessibility and workability constraints, including metocean driven limits on vessel or system operations, is strongly encouraged. We also welcome research on major component replacement technologies and strategies, such as tow to port, offshore heavy lift, or modular swap out concepts. Submissions that provide quantitative methods, validated models, or field based insights to improve O&M efficiency and reliability are highly valued.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



6. Mooring systems: performance, inspection and lifetime extension

As floating wind projects scale up and move into deeper waters, ensuring the long-term reliability of mooring systems is becoming increasingly critical. This session invites contributions on mooring design validation, performance assessment, inspection and monitoring technologies, integrity management, and lifetime extension methodologies. Presentations highlighting operational feedback, innovative materials, digital twins, condition-based maintenance, and risk-informed decision-making are welcome.

7. Metocean site characterization for FOW, specificities and climate change effect

Floating offshore wind deployment is expanding into deeper waters and more energetic environments, requiring advanced metocean site characterization approaches. This session welcomes contributions addressing the measurement, modelling, and assessment of wind, wave, current, and environmental conditions relevant to floating offshore wind (FOW) projects. Particular attention will be given to the specific challenges associated with floating systems, including coupled metocean loads, extreme events, and uncertainty quantification. Contributions on innovative monitoring technologies, data assimilation, resource assessment, and site-specific design conditions are encouraged. The session will also explore the impacts of climate variability and climate change on metocean conditions, long-term resource availability, and the reliability of design assumptions. Papers providing insights from field measurements, numerical modelling, operational experience, or future climate projections are particularly welcome.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



8. Socio-economic impact of wind farms and promoting co activity

This session welcomes contributions on socio-ecosystem tools, integrated assessment approaches, socio-economic impacts and benefits, co-development opportunities with other sea uses, life cycle assessment, circular economy solutions, and governance frameworks supporting the sustainable development of offshore renewable energy.

Poster session

You may submit your abstract directly to the poster session. 20 slots will be available, with all posters being displayed throughout both conference days and a speaking slot of 3 minutes during the on-stage poster session.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



Abstract submissions guidelines

The abstracts must be submitted on the FOWT website, on the dedicated page.

- Format: PDF A4
- Font: Arial
- Font size: 11
- Line spacing: single
- Language: English

Your abstract should contain:

- The topic and topic number **at the top of the page**
- The title of the presentation (Should be limited to 20 words)
- The name(s) of the author(s)
- Speaker's name and function (**only one speaker per paper**)
- Company / Organization name
- Text (between 300 and 400 words / **no exceedances permitted**)
- Contact details: phone number and email

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of



Selection criteria and timeline

The submitted abstracts will be reviewed by FOWT's Scientific and Technical Committee. The composition of the STC will be made available on the FOWT website. The selection process can take several weeks, and the **results will be announced in December 2026**.

There is no limit on the number of abstracts submitted per entity. However, each entity may only be selected to speak once per session type (plenary, technical/poster, workshop).

Selection criteria:

- Content quality (experience-based or technical content) (40%)
- Relevance to topic (25%)
- Non-commercial aspect (20%)
- Originality/novelty (15%)

Selected speakers will receive free access to the conference.

ORGANIZED
by



IN PARTNERSHIP
with



WITH THE SUPPORT
of

