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## EERA Joint Programme on Wind Energy - Newsletter - August 2022

### News from the Coordinator

The energy crisis in Europe sparked by the terrible events in Ukraine continues and Europe is preparing for the winter to come. With RePowerEU, a plan to rapidly reduce dependence on Russian fossil fuels and fast forward the green transitions the EU has described its response. The aim to fully curtailing EU dependency on Russian imports of oil and gas will imply profound changes in the EU energy mix, which will only be possible with the deployment of low-carbon technologies. Therefore, it is essential to keep in mind that it takes time for research to make available the technologies at the readiness level needed, and these changes are not immediate. EERA has formulated a response: [EERA - News \(eera-set.eu\)](https://eera-set.eu)

JP Wind has been engaged in the communication with the EU and has used the formulated lighthouse initiatives to present some urgent research topics that should be addressed to further accelerate the implementation of wind energy in Europe.

The EERA JP Wind Innovation forum is planned for September 19th to September 22nd to host the wind energy research managers in Amsterdam to discuss strategies and initiatives. The ETIPWind kick-

off meeting is planned at the event, so that we have good opportunities to discuss priorities and strategies with industry. You are very much invited to join this free event in Amsterdam.

**Peter Eecen – JP Wind Coordinator**



**September 19 - 22, 2022**  
**Amsterdam**

**WIND INNOVATION FORUM | ANNUAL EVENT**

*In collaboration with*



**Registrations for EERA JP Wind Innovation Forum  
(19-22 September in Amsterdam) are now open !**

The EERA JP Wind Innovation Forum is the yearly event organized by EERA JP Wind ([www.eerajpwind.eu](http://www.eerajpwind.eu)) to meet among the research managers in wind energy from academia, institutes and industry. Policy makers from member states and EU join the events. The Forum is an interactive EERA event of 4 days with workshops, presentations and discussions on strategic wind energy research. The aim of the forum is to provide the European R&I community in wind energy opportunities to create synergy advantages for European research organizations and industry in support of the green energy transition and the SET-Plan goals.

Since 2014, EERA JP Wind has been organising these yearly events in Amsterdam, often in collaboration with the industry platform ETIPWind and the

SETPlan Implementation Working Group on offshore wind. This year, the kick-off meeting for the ETIPWind ([www.etipwind.eu](http://www.etipwind.eu)) support project will be hosted by the Forum in Amsterdam. The project to support ETIPWind is led by WindEurope ([www.windeurope.org](http://www.windeurope.org)). We expect a good participation from industry representatives.

The Wind Innovation Forum aims for knowledge exchange, network opportunities, collaboration opportunities and inspiration for new research topics. It aims on R&I priorities and technology development visions.

You can find the draft programm [here](#)

Registrations are open [here](#) until 12th of September.

Please note that the event will only be IN PERSON (no videoconference or connection)



**Call for abstracts : EERA DeepWind 2023 - 20th Deep Sea Offshore Wind R&I Conference (18-20 January 2023)** - Deadline for abstract submission: 15 October 2022

We are excited to invite you to submit your abstract for the 20th anniversary edition of the EERA Deepwind offshore wind research and innovation

conference, which will be held in Trondheim 18-20 January 2023.

Emphasis in the programme is on sustainable wind development, digital twin technology, floating wind and large scale integration. EERA DeepWind 2023 is an international event aiming to present the best ongoing research and innovation related to deep sea offshore wind farms, both bottom-fixed and floating. The conference has been developing every year since 2004, and is established as an important venue on deep sea offshore wind R&D organized by SINTEF, NTNU and EERA JP wind.

As always, the programme will include a mix of plenary presentations with broad appeal and presentations in parallel sessions or by posters on specific offshore wind science and technology themes. Boost your professional profile and recognition by submitting an abstract addressing any of the topics in the programme.

Conference topics are:

- New turbine and generator technology
- Grid connection and power system integration
- Met-ocean conditions
- Operation & maintenance
- Installation and sub-structures
- Wind farm optimisation
- Experimental testing and validation
- Wind farm control systems

- Sustainable wind development

The abstract should not exceed 500 words. A link to the presentation portal will be published soon on the EERA DeepWind website

Preparation of full papers is optional. These will go through a full peer-review and successful submissions will be published on-line in the IOP Journal of Physics. There will be an award for best poster.

For practical questions, please contact: Randi Aukan  
- randi.aukan@sintef.no

**The Lighthouse initiatives were presented at  
EERA Annual Strategic Meeting in Prague**

**Click [here](#) to see Lighthouse initiatives on offshore wind explained in 3 minutes**

EERA JP wind has developed in close collaboration with leading industry partners two lighthouse initiatives to address grand scientific and technical challenges that are crucial for the further advancement of offshore wind energy, providing new knowledge and basis for innovation. The two lighthouse initiatives are 1) Large scale integration of offshore wind, and 2) Floating wind energy. These are crucial for Europe to succeed with offshore wind, being essential to reach climate targets, to secure the energy supply and to enhance a competitive European industry that will bring new green jobs and business. The lighthouse initiatives were presented at the EERA Annual Strategy Meeting 22-23 June, 2022 in Prague. They were very well received as two strategically important initiatives that can possibly be a basis for a European Centre of Excellence on Offshore Wind Energy.

Read more on <https://www.eerajpwind.eu/offshore-wind-the-eu-needs-to-invest-now/>, and the two reports on [Floating Wind](#) and [Integration on large scale offshore wind energy](#).

### **CWD 2023: Conference for Wind Power Drives**

The Center for Wind Power Drives at RWTH Aachen University is pleased to invite you to Aachen from March 21st - 22nd, 2023 to join their conference on wind power drives.

CWD 2023 covers the whole electromechanical drivetrain of wind turbines and its subsystems such as the gearbox and reaches into detailed research on single components like rolling or plain bearings.

Don't miss out the opportunity to join lively discussions with leading experts in various fields!

More information and submission form at <https://cwd-dsec.de>

- Coordination of research efforts
- Test methods and research infrastructure

We particularly welcome results from industry and from European and national research projects.

### **“How Wind Energy Research can make the most of advances in High Performance Computing (HPC) ?” (Subprogram 3 & 4 Workshop) - Presentation & Replay**

You will find here the presentations from the last EERA JP WIND workshop dedicated to Wind Energy and High-performance computing who took place on

16th of June.

Dr Michele Weiland, University of Edinburgh  
: [“Modelling and simulation in the Exascale era”](#)

Assoc. Prof. Dr. Richard Stevens, University of Twente  
: [“Fluid Physics and High Performance Computing  
Modeling Challenges of Wind Farms“](#)

Prof. Stefan Ivanell, Uppsala University : [”Towards  
industry LES for wind farm flows using GPU-based  
lattice Boltzmann solvers”](#)

Mikel Iribas, CENER : [“Engineering High Computed  
needs for offshore wind developments”](#)

If you want to watch or rewatch the workshop,  
please [click here](#)

### **Rotor Blades Workshop - Subprogramm 7 Workshop - Roskilde, Denmark**

Please find [here](#) the minutes of the workshop and  
the presentations.

The presentations proved to be interesting, and the  
discussions were, like some post-COVID live  
meetings to be incredibly good – so much so that  
some presenters were getting unsure whether they  
would ever get to the end of their presentation! The  
dinner and evening, sponsored by EERA JP Wind,  
turned out to be good as well, helped by the  
fabulous whether during the Workshop.

All in all, this event shaped up to be very worthwhile  
indeed. Thanks to the strong organisation by the  
local committee, particularly Xiao Chen and Oscar

Castro.

Not surprisingly, given the topic of the second workshop, topics tended towards the ReliaBlade topics, providing a valuable basis for the discussion regarding ReliaBlades 2.

### EU Policy Workshop on REPowerEU - Presentation & Replay

Please find [here](#) the presentation of the last EERA JP Wind EU Policy Workshop including all the information of RePowerEU impact on renewable energy policy in Europe.

To watch or rewatch the webinar, please [click here](#)

**Next meeting is planned on the 7th of October.**



EERA Joint Programme on Wind Energy  
European Energy Research Alliance aisbl  
Rue de Namur 72  
1000 Brussels

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