RAVE News

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RAVE RESEARCH AT ALPHA VENTUS

With this newsletter we would like to inform you about the latest developments in RAVE:

Invitation and Call for Contributions

RAVE FORUM at August 20, 2025, 10:00 -12:00 CEST

This is the **link** to participate in our new public webinar and online meeting for all researchers working with RAVE data or interested in RAVE research. Join 120 minutes of talk and presentations, gain technical and scientific insights and discuss your research results and questions. Benefit as active participant from latest knowledge and news about the offshore windfarm alpha ventus, **RAVE data** and gain valuable insights by networking with organizers, attendees and speakers. If you used RAVE data and are interested to present your research work we are looking forward to your mail to **info-rave@iwes.fraunhofer.de** .

RUN25+ Project

Reduction of uncertainties for the lifetime extension of offshore wind turbines

We would like to draw your attention to a new **RAVE project** aiming to create an improved decision-making basis for the continued operation of wind farms beyond 25 years lifetime. Continued use of existing wind farms beyond a windfarm´s originally planned 25-year life-span is essential to help implement the energy transition as quickly and cost-effectively as possible besides protecting environment and conserving resources. For this, time-dependent wind turbine reliability models are developed integrating operational and environmental conditions and are linked to improved models for the assessment of site quality. Finally, with many associated international partners a time-series-based total cost model for estimating the future yield potential of wind farms will be developed. Check the **project´s QR code** for more information (duration 06/2024-05/2027).

International RAVE Workshop 2025 in Berlin

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Participants from research, industry and authorities met virtually or in person at the **6th International RAVE workshop** in April to discuss research findings related to RAVE. This year's workshop focused in particular on the planned dismantling of alpha ventus and the resulting research questions and opportunities. The workshop **presentations** are available for download on the RAVE website. After 15 years of operation and continuous recording of measurement data in Germany's first offshore wind farm, research results were presented not only on the topics of dismantling, logistics, environment and machine learning. It also became clear that alpha ventus, as a pioneering offshore wind farm, offers a unique opportunity to generate know-how for cost-efficient and environmentally friendly dismantling. The event once again proved to be a platform for lively and inspiring exchanges.

Best regards

The RAVE Coordination at the Fraunhofer Institute for Wind Energy Systems IWES, Germany.
If you have questions, feedback or would like to receive more information on RAVE,
please contact us at info-rave@iwes.fraunhofer.de

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