RAVE Forum

No. 5
November 25, 2026 from 12:00 to 13:00 CET

RAVE
RESEARCH AT ALPHA VENTUS

5th RAVE Forum as public webinar: "Upcoming changes to the user interface of the RAVE database", a presentation by BSH

As part of the finalRAVE project, the RAVE database has been modernized in technology and architecture. BSH presents what brand-new changes and updates will soon be available. During this preview you will have the opportunity to engage with the BSH professionals with your feedback, comments and questions.

The changes include easier navigation, simple time window selection based on availability of sensor data, optimized data export and other improvements of portal features….

QR code and Link to dial in
Jetzt an der Besprechung teilnehmen

Welcome to the BSH RAVE portal

Since 2009, an extensive measurement program has been part of RAVE. Four of the twelve turbines in the alpha ventus wind farm were equipped with comprehensive measurement technology. This is supplemented by SCADA data, measurements at both substations (onshore and offshore), and the 100 m high measurement mast FINO1 located in the immediate vicinity. At times, more than 1200 measurement channels were in operation, generating more than 50 TB of data. Additionally, special measurements were conducted over limited periods in some research projects (underwater noise, nacelle lidar, ...).

Measurements in RAVE continue, so that the database continues to grow. Not all measurement sensors are still in operation. Some sensors could not be repaired after a failure (e.g. in the underwater area). The resulting different availabilities of the various sensors can be queried in the research archive. There is a graphical visualization of the availabilities after selection of sensors for easier selection of the data period. The monthly availabilities are also available in various file formats. Graphical or tabular representations of the aggregated or raw data are available. More information about the RAVE projects can be found here.

On the InSitu portal, you can search, visualize, and download the BSH's real-time measurement data of basic sea state parameters. Further information on the BSH measurement network can be found in our InSitu portal

Further sea state parameters can be found in the sea state portal

If you have any questions or comments, please feel free to contact us by email at rave-forschungsarchiv@bsh.de



As always we welcome discsussions between data users and experts from DNV and BSH regarding the measurements in alpha ventus and the data stored in the database.

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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