

Water Level Prediction in Marinas: Machine Learning Approaches

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This presentation highlights the significance of storm surges in marinas on the Baltic Sea. It uses the storm surge of 2023 as a case study and discusses the forecasting methods used by the Federal Maritime and Hydrographic Agency. The speaker explains the mechanisms of storm surges to improve understanding, examines the application of machine learning techniques for storm surge prediction, and presents the data sets used. He addresses challenges such as data volume and computational effort for training and validating models and demonstrates the advantages of machine learning.

Autor: BANZHAF, Marco (FFT)

Co-Autoren: SCHÜTTE, Florian (FB1 - Physikalische Ozeanographie); Dr. DOERFEL, Stephan (FH Kiel)

Vortragende(r): BANZHAF, Marco (FFT)