

Estimation of the waveclimate for the Baltic Sea 1980-2004

SND-ID: ecds0177-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/2v2b-qx20>

This data description and associated data have been migrated from the ECDS portal to SND's research data catalogue. The level of documentation may therefore differ from other data descriptions in the catalogue. For more information about the migration of data from ECDS to SND click [here](#).

Associated documentation

ECDS0177_WavePoster_BSSC2007.pdf (3.21 MB)

Citation

Broman, B. (2021) Estimation of the waveclimate for the Baltic Sea 1980-2004 (Version 1) [Data set]. SMHI - Swedish Meteorological and Hydrological Institute. Available at: <https://doi.org/10.5878/2v2b-qx20>

Creator/Principal investigator(s)

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Research principal

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Description

Wind waves as calculated by a simple wave formula based on wind, fetch and duration in 1223 points in the Baltic.

NOTE: This dataset does not meet SND's nominal standards for data reusability.

For each point the fetch in 8 directions is used. Fetches are stored in one file. Corrections are made for ice or no ice. If ice concentration is > 50% no waves are created. The winds are taken from a database based on geostrophic winds and downscaled to 10m by a simple formula. Time resolution 3h.

Contact SMHI for further information regarding the dataset.

Data are largely unstructured but divided according to year and to a certain degree also after locality. Files can be opened in MatLab. Explanations to included variables are missing. Used formulas for wave calculations are described in the included readme file. All files are available as compressed in a single zip format for distribution purposes, with a compression rate of approximately 30%.

Data contains personal data

No

Time period(s) investigated

1980 - 2004

Data format / data structure

[Numeric](#)

Geographic spread

Geographic description: Baltic Sea

Responsible department/unit

SMHI - Swedish Meteorological and Hydrological Institute

Research area

[Earth and related environmental sciences](#) (Standard för svensk indelning av forskningsämnen 2011)

[Oceanography, hydrology and water resources](#) (Standard för svensk indelning av forskningsämnen 2011)

[Oceans](#) (INSPIRE topic categories)

[Natural environment](#) (CESSDA Topic Classification)

Keywords

[Oceans](#), [Ocean waves](#)

Polygon (Lon/Lat)

10, 66

10, 54

31, 54

31, 66

10, 66

Accessibility level

Access to data through SND

Access to data is restricted

Use of data

[Things to consider when using data shared through SND](#)

Versions

Version 1. 2021-04-21

Contact for questions about the data

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Download metadata

[DataCite](#)

[DDI 2.5](#)

[DDI 3.3](#)

[DCAT-AP-SE 2.0](#)

[JSON-LD](#)

[PDF](#)

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Published: 2021-04-21