

Forecast Data

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About Forecast Data

In 2022 DMI plans to release the open data forecast service. The forecast data service will include data from DMI's operational models covering forecasts for the atmosphere, ocean and sea ice (see figure below).

Weather Model (Harmonie): Forecast data for temperature, dew point, clouds, precipitation, pressure, and other atmospheric parameters for the days to come. The model will be available for two different model areas that cover Denmark and Greenland respectively.

Wave Model (WAM): Forecast data for wave height, wave direction, wave period and other parameters. The model will be available for three different model areas: Danish waters, North Sea and Baltic Sea, and the North Atlantic Sea.

Storm Surge Model (DKSS): Forecast data for current, water level, salinity, and other parameters. The model covers Danish territory.

Planned Releases

Forecast data will be made available through several releases during 2022, where our wave model has already been released. DMI is in the process of mapping what data the services for the individual models will contain.

Currently DMI's operational models are run on DMI's super computer. In 2022, the DMI is migrating its forecast models to a new super computer alongside developing and releasing the open forecast data service. The time line for the release of the forecast data service depends on this migration. Additionally, there can be changes in the data format, model area, and model resolution in connection with the migration.

In the table below, you can see when the different forecast models are expected to be released as well as what data will be available for the individual models. The table will be updated throughout 2022.

April 27th 2022	Wave Model (WAM)	STAC-API	GRI B1	1. Danish waters (~1km) 2. North Sea-Baltic Sea (~5km) 3. North Atlantic (~25km)	Please see the para meter list	132 hours	4

June 15th 2022	Storm Surge Model (DKSS)	STAC-API	GRI B1	<ol style="list-style-type: none"> 1. North Sea - Baltic Sea 2. Inner Danish Waters 3. Wadden Sea 4. Limfjord 5. Little Belt 6. Roskilde/Isefjord 	Please see the para meter list	120 hours	4
October 2022	Weather Model (Harmonie)	STAC-API	GRI B1	<ol style="list-style-type: none"> 1. North Eastern Europe (NEA) 2. Greenland (IGB) 	TBD	Up to 54 hours	8