

Project: **1254**

Project title: **Global climate modelling on eddy-resolving scales with AWI-CM3**

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Report period: **2021-11-01 to 2022-10-31**

We performed 50 years spin up of FESOM2 eddy resolving model (Fig.1) with EAR-5 forcing.

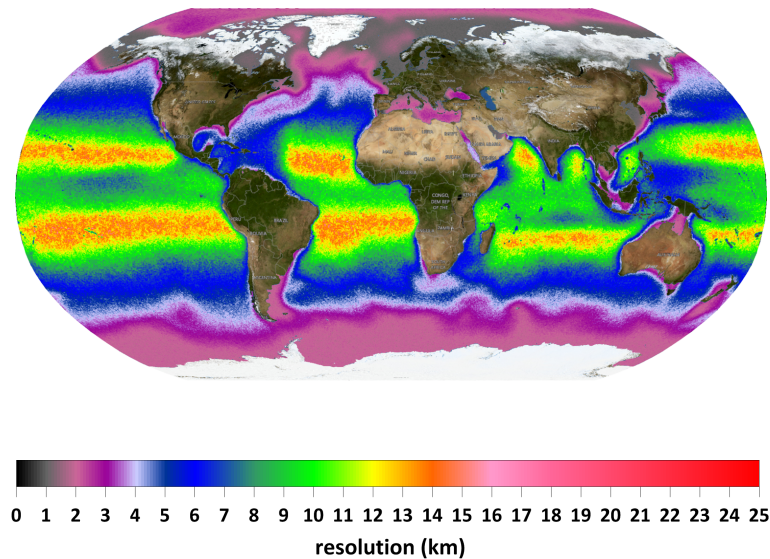


Fig.1 FESOM2-ER resolution

As an example, on Fig.2 simulated Arctic sea ice compactness and sea surface salinity are shown.

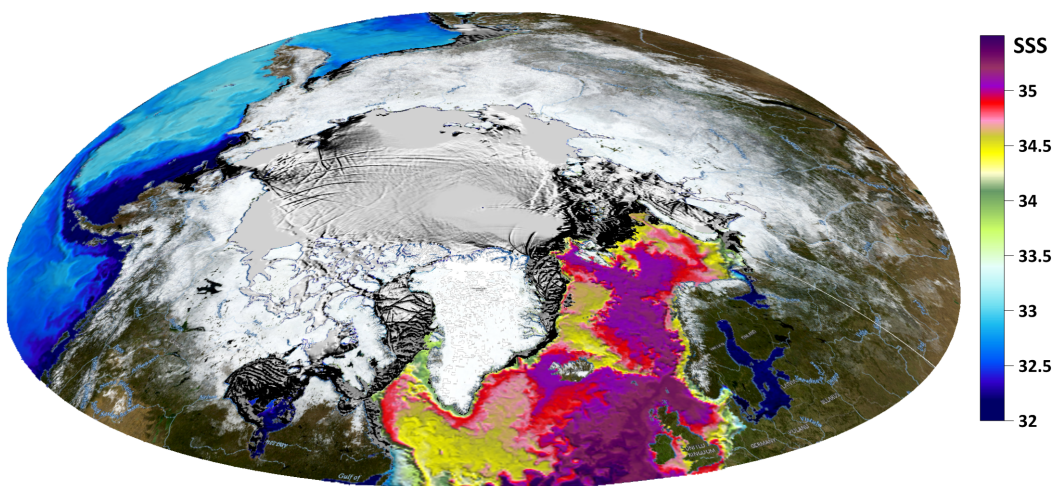


Fig.2 Arctic sea ice compactness and sea surface salinity

The coupled AWI-CM3 simulations are planned for the year 2023.