Zentrum für
Geoinformationswesen
der Bundeswehr

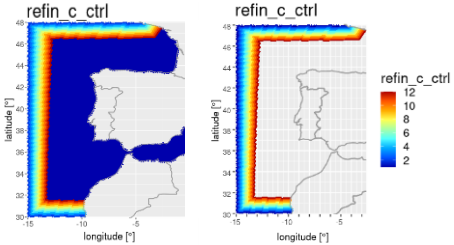
Further verification of ICON-O Limited Area Mode

Deutscher Wetterdienst
Wetter und Klima aus einer Hand

Ongoing…

ESM-W project

Optimizations

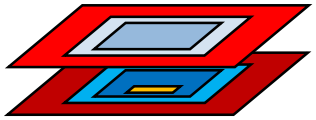


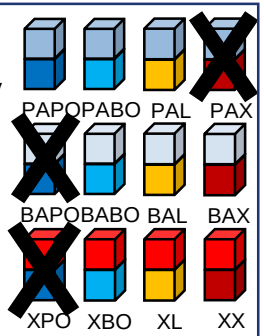
Sparse lateral boundary

Asynchronous input-output

Coupling

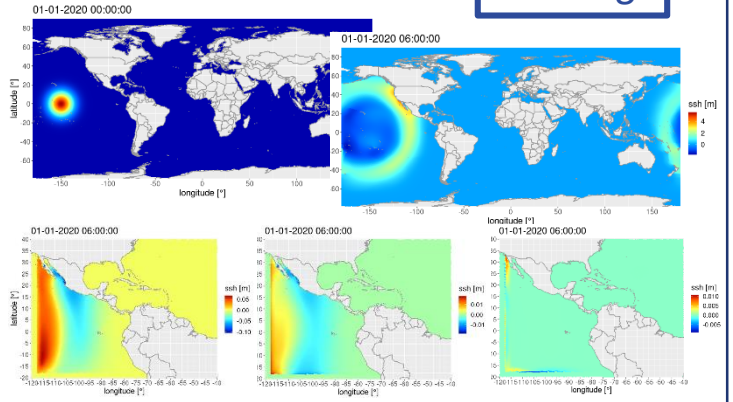
P = Prognostic **B = Boundary**
X = Outside **L = Land**
A = Atmo **O = Ocean**





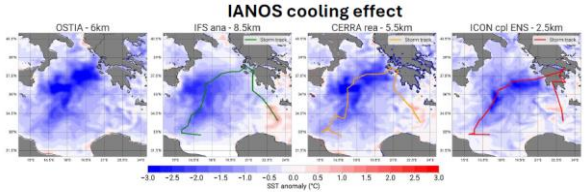
Robust coupling criteria

Testing

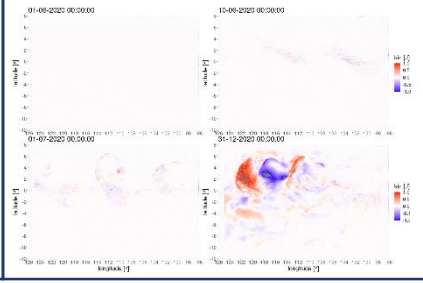


Wave reflection test

Applied coupled tests



SST anomaly: daily mean SST of 20-09-2020 - daily mean SST of 15-09-2020



Climate scale numerical tests

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