



## **Seasonal predictions with the Norwegian Climate Prediction Model**

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The Norwegian Climate Prediction Model combines the Norwegian Earth System Model with the Ensemble Kalman Filter data assimilation method. A first version of NorCPM assimilates the stochastic HADISST2 product with anomaly assimilation in the ocean compartment of NorESM. The prediction skill of the system achieves highly competitive skill compared to the North American Multi-Model Ensemble in particular for the longer lead months (> 6 months). Assimilating T-S profiles in addition to SST leads to improvements only in the North Atlantic Subpolar Gyre and in the Tropical Western Pacific but shows a slight degradation in Eastern Tropical Pacific. The causes of the degradation are investigated.