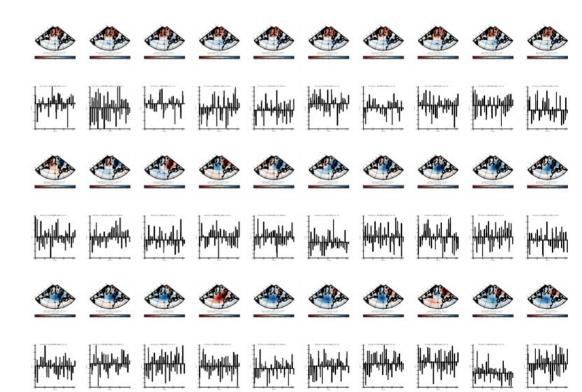
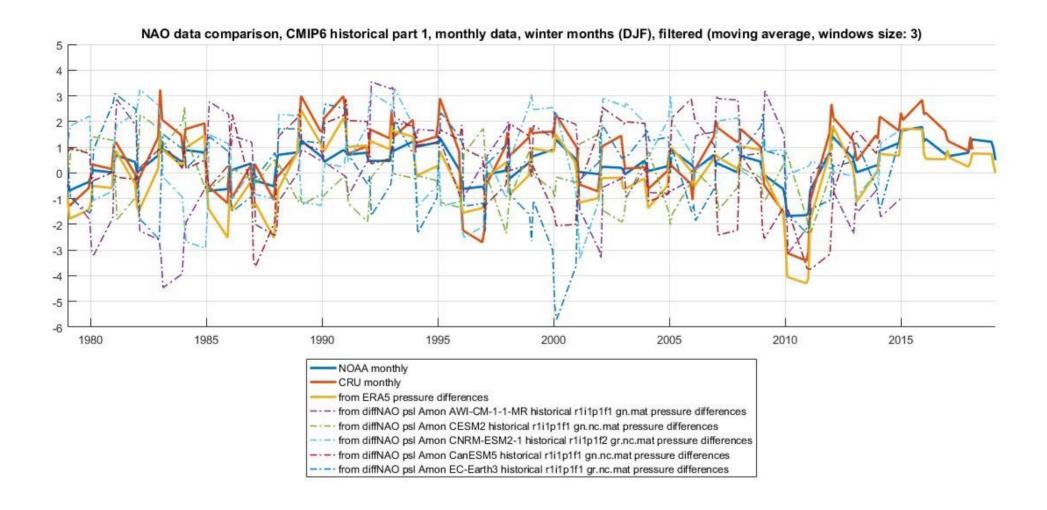
## Assessment of atmospheric circulation indices over Greenland in an ensemble of CMIP6 models

vi hedder: Florian & Susann

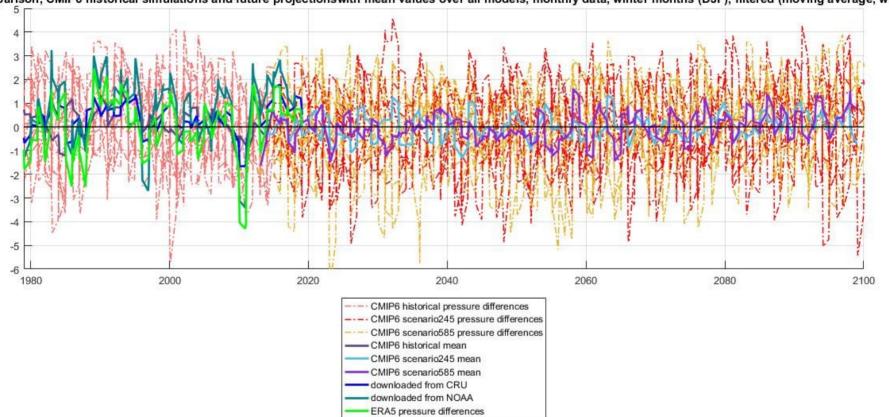
- North Atlantic Oscillation (NAO)
- Greenland Blocking Index (GBI)

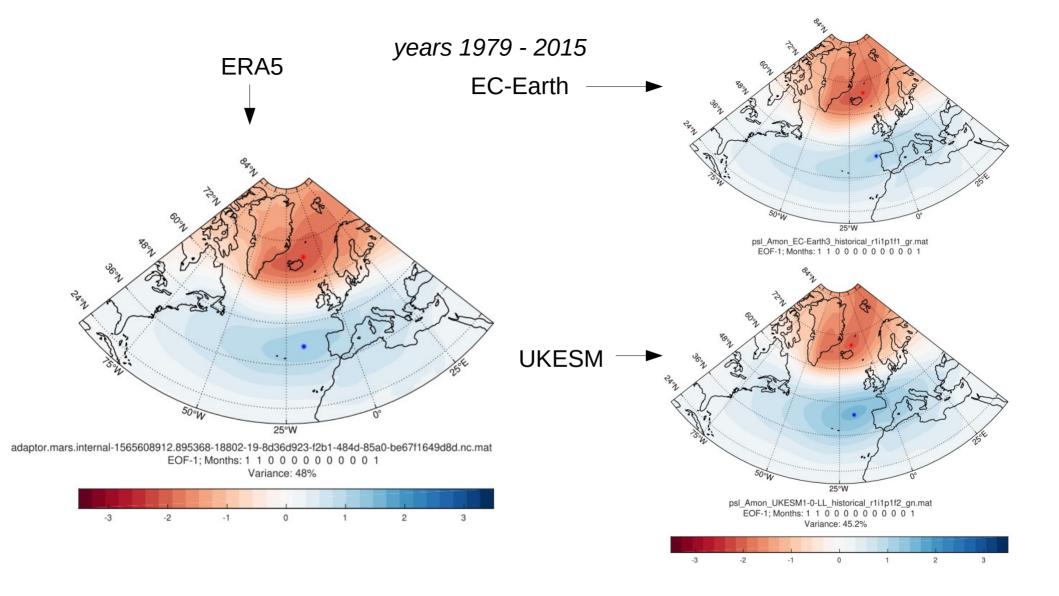
--> effects on Surface Mass Balances of Greenland Ice Sheet





NAO data comparison, CMIP6 historical simulations and future projections with mean values over all models, monthly data, winter months (DJF), filtered (moving average, windows size: 3



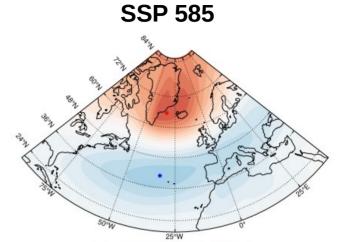


## **SSP 245** psl\_Amon\_EC-Earth3\_ssp245\_r1i1p1f1.mat EOF-1; Months: 1 1 0 0 0 0 0 0 0 0 0 1 Variance: 48.8% 25°W psl\_Amon\_EC-Earth3\_ssp585\_r1i1p1f1.mat EOF-1; Months: 1 1 0 0 0 0 0 0 0 0 0 1 Variance: 39%

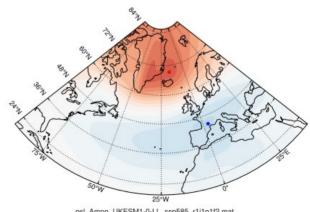
years 2080 - 2100







psl\_Amon\_UKESM1-0-LL\_ssp245\_r1i1p1f2.mat EOF-1; Months: 1 1 0 0 0 0 0 0 0 0 0 1 Variance: 52.6%



psl\_Amon\_UKESM1-0-LL\_ssp585\_r1i1p1f2.mat EOF-1; Months: 1 1 0 0 0 0 0 0 0 0 0 1 Variance: 45.8%

