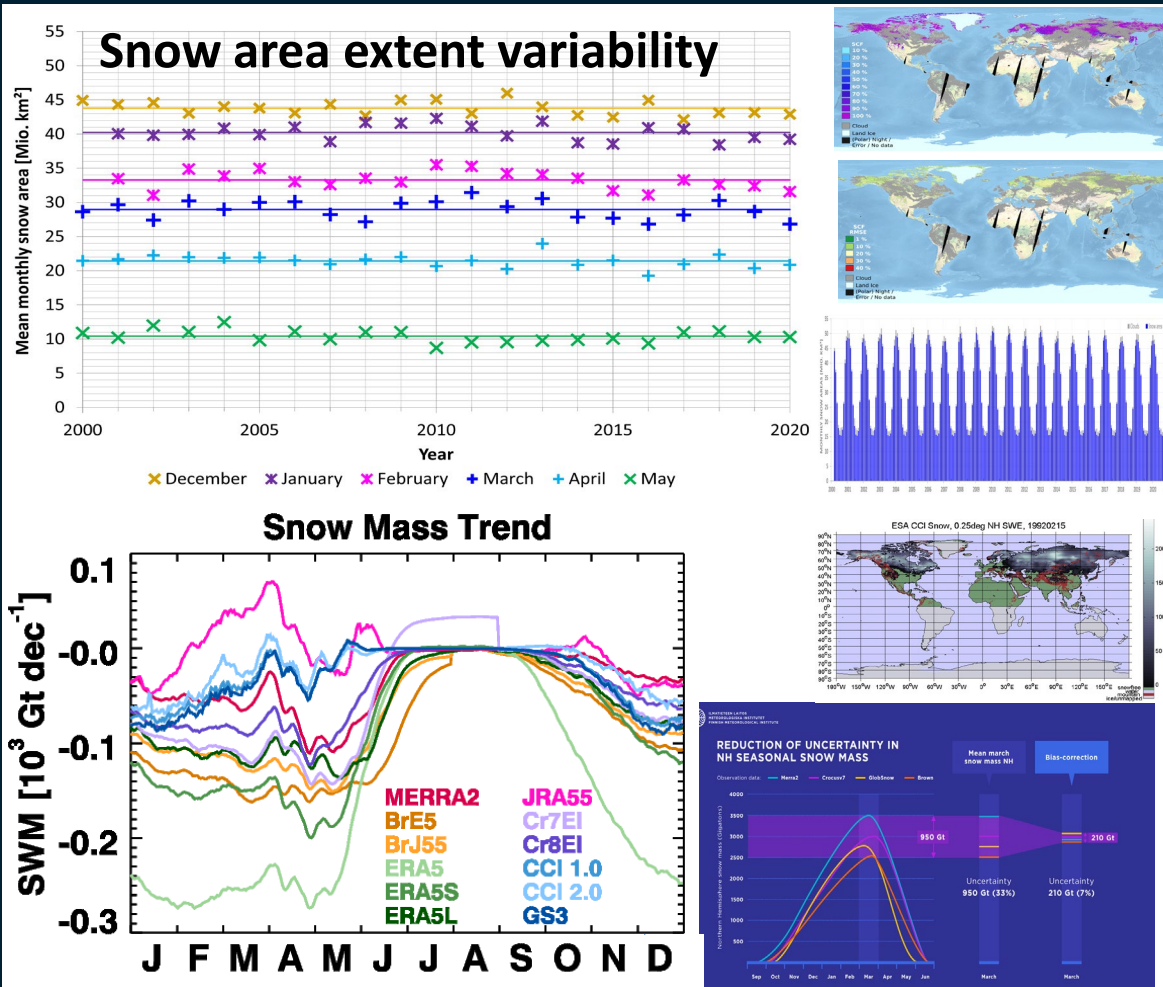


Mass Balance of the Cryosphere: Snow



Remaining challenges

- Snow / cloud discrimination
- Low illumination conditions at high latitudes
- Permanent snow and ice areas
- Snow on sea ice
- SWE retrieval in mountain areas
- Spatial resolution of passive microwave sensors for SWE estimates
- SWE products for the southern hemisphere
- In general: transferring a retrieval method from selected test sites to a global scale