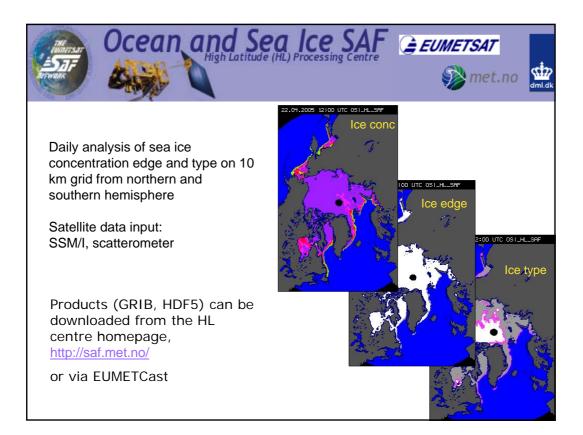
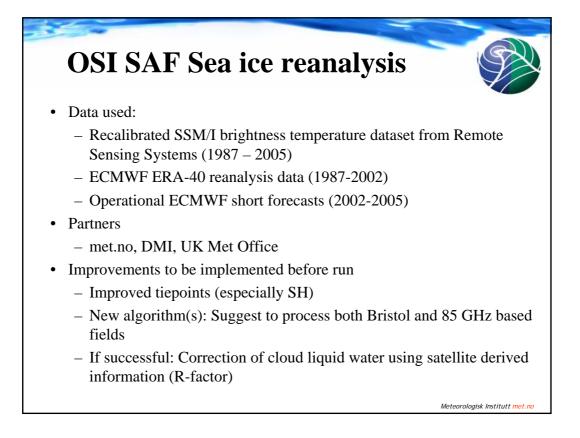


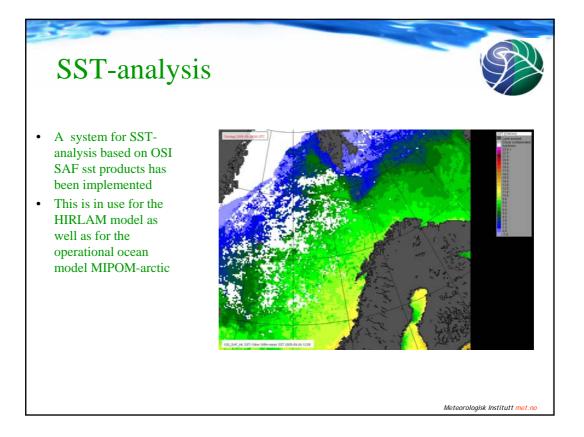
Meteorologisk institutt met.no

Presentation of met.no's experience and expertise related to high resolution reanalysis

Oyvind Saetra, Ole Einar Tveito, Harald Schyberg and Lars Anders Breivik Norwegian Meteorological Institute







Assimilation of SST and sea ice in coupled ic Torsdag 2005-10-20 00 UT(Ice Concentration and SST is assimilated in the ocean and sea ice model system. The model receives updated ice concentration and SST (OSI SAF) valid at 12 hours before model analysis time. A nudging scheme is then executed during the 30 hour long assimilation period (hindcast period). The assimilation scheme has been refined to ensure consistent behavior of ice thickness and ice concentration. The nudging of the model values towards the data consists in melting or freezing of ice, which in the model translates into modifying the ice production rates. Meteorologisk Institutt met.no

