

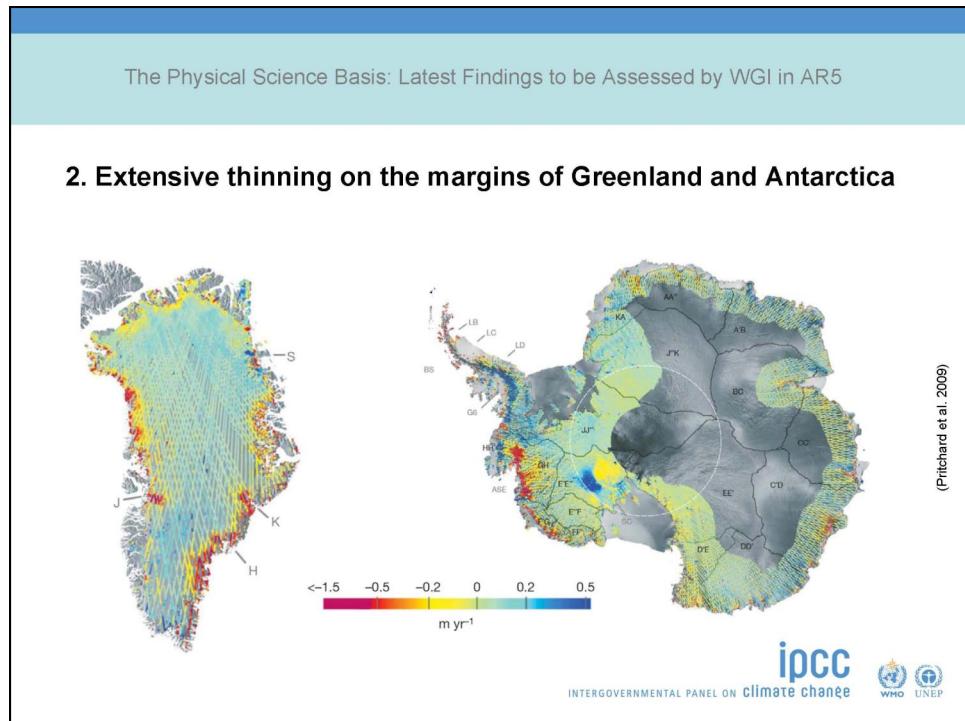


Are benthic diatoms important?

YES!

- In many polar areas the phytoplankton biomass is not sufficient to explain the benthic consumer abundance
- Sediment-associated benthic microalgae are present throughout the year, making up the basis for local food webs, and in the end the production of fish.

Benthic microalgae can account for 50% or even more of the total primary production in shallow estuaries and bays (Underwood and Kromkamp 1999)



In nearshore coastal systems, the enhanced glacial melting will impact water column stratification & change light regime, temperature & salinity in surface waters.



Photo K. Zacher

