

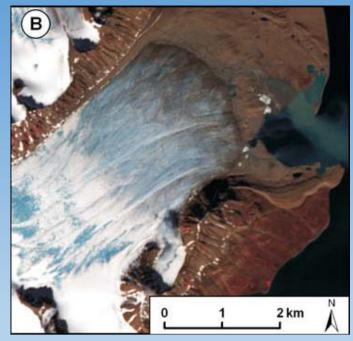
Jacek Andrzej Urbanski 1, Lech Stempniewicz2, Jan Marcin Węsławski3, Katarzyna Dragańska-Deja 3,

Agnieszka Wochna1, Michał Goc 2, Lech Iliszko 2 http://www.iopan.gda.pl/projects/GLAERE/

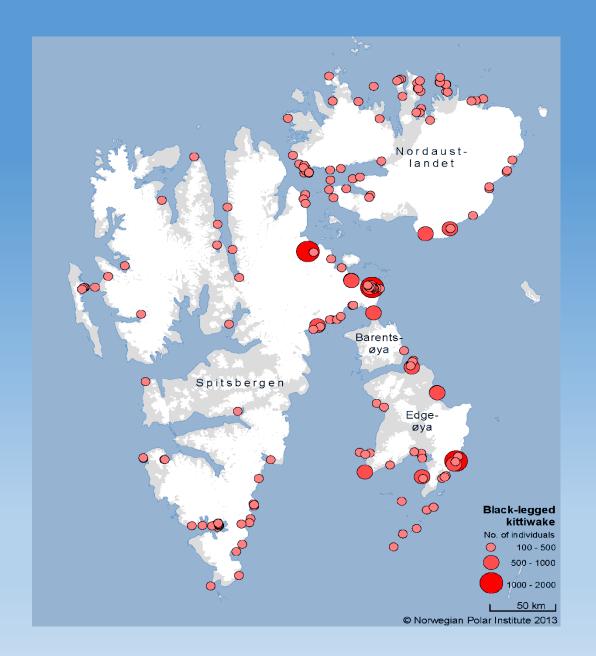


Length of tide water glaciers cliffs on Svalbard - 1028km Annual calving loss 5 to 8 km3 of freshwater/ year 14 tidal glaciers recently terminated on land

Błaszczyk et al.. 2009





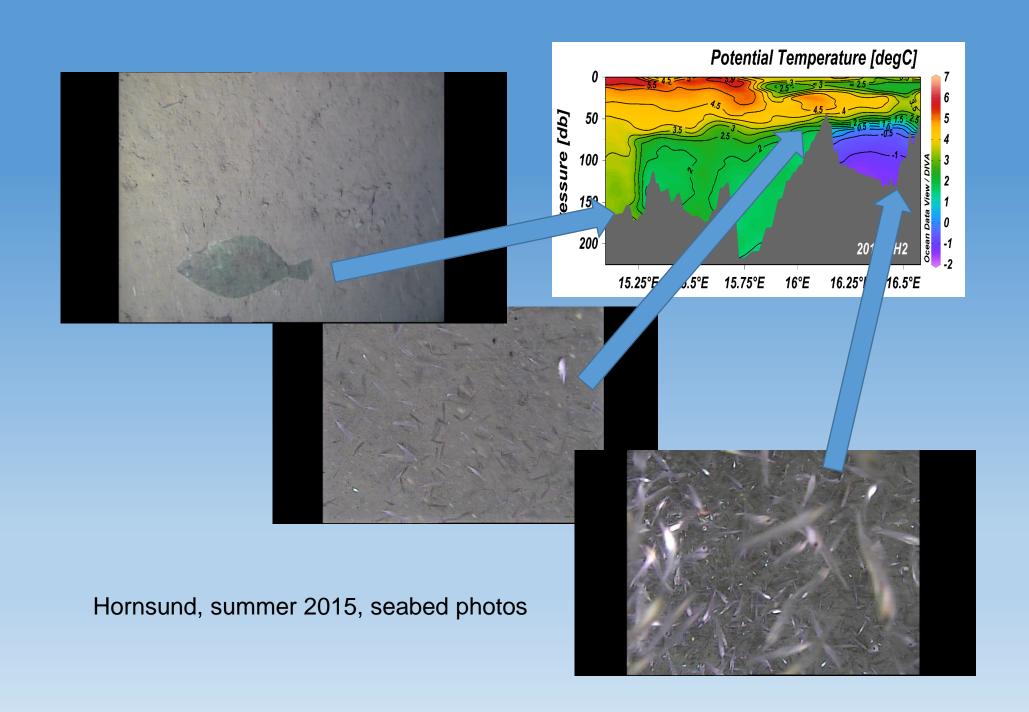




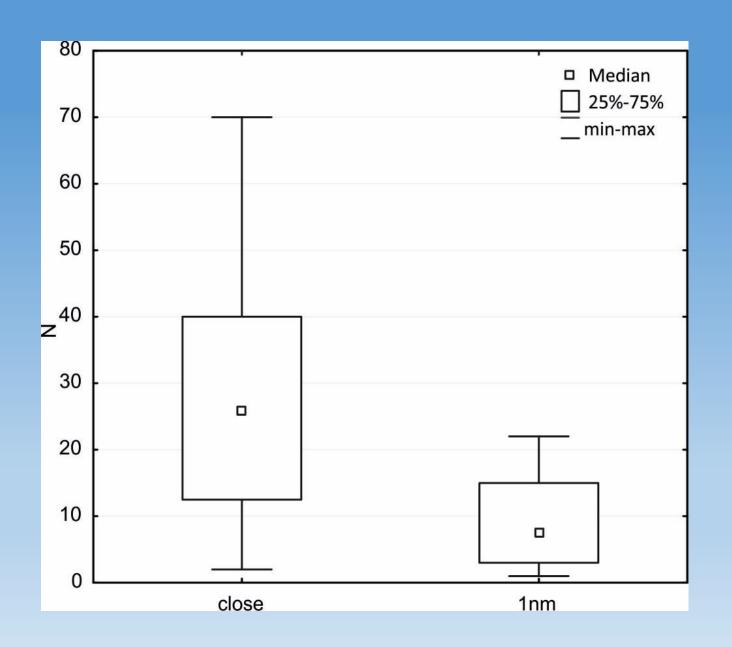
Kittiwakes Strom & Steen 2013

Automated craft for CTD and suspensions profiling in Hornsund – Jacek Urbański & team



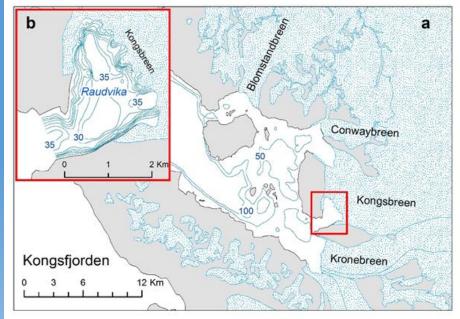


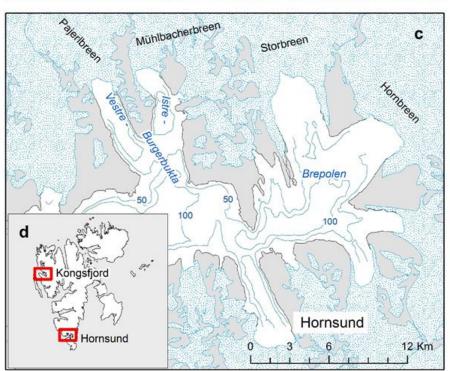
Macrozooplankton from neuston net – close to and far away from glacier

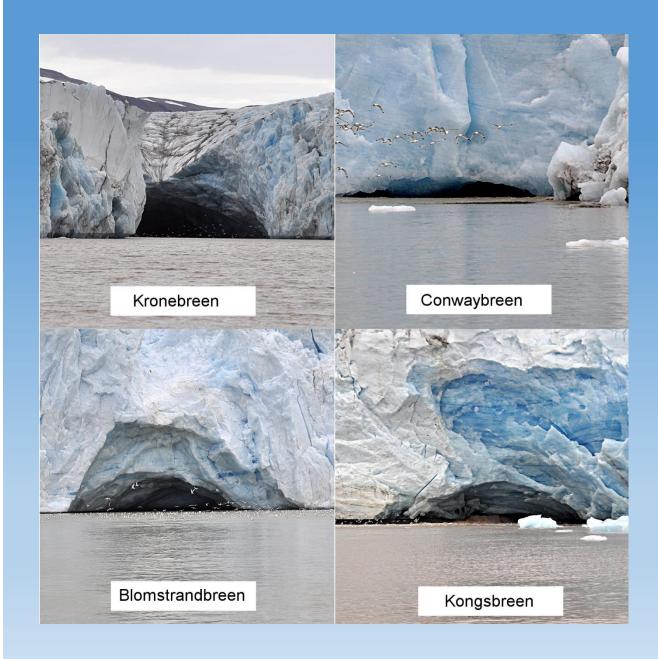




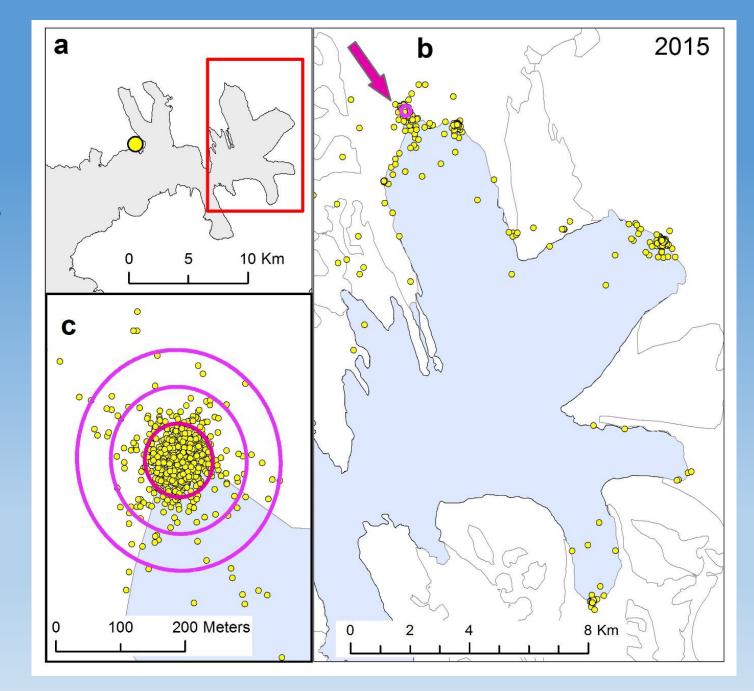


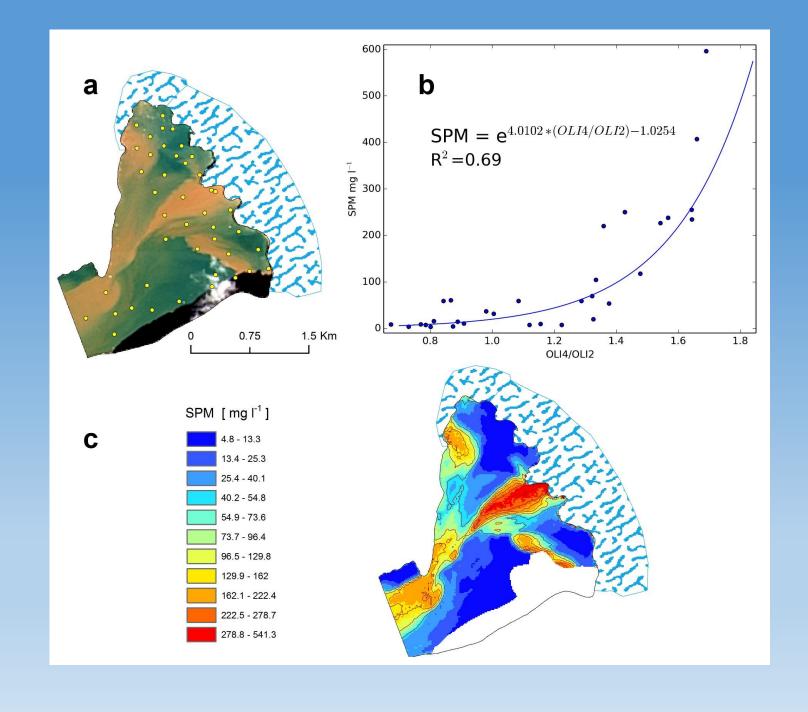


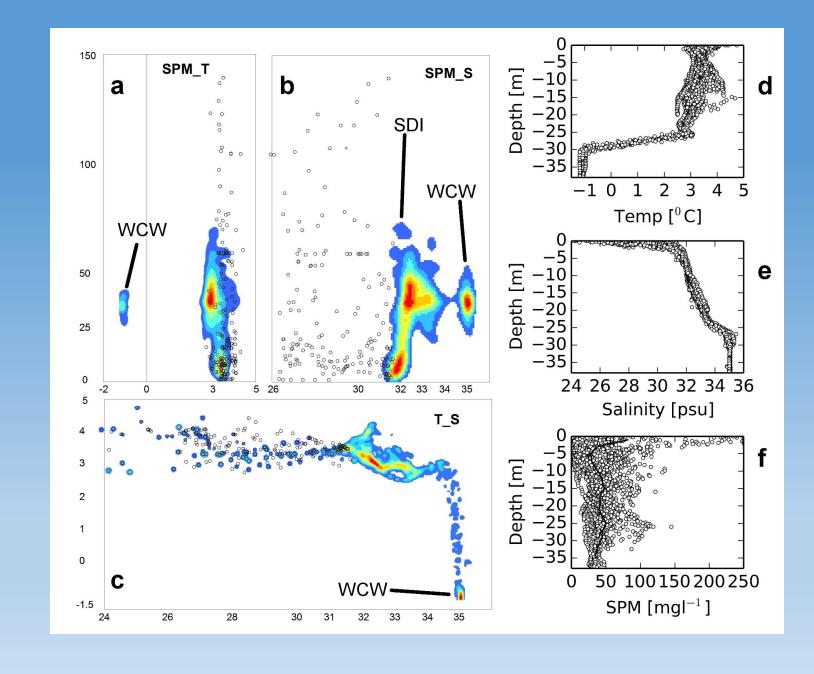


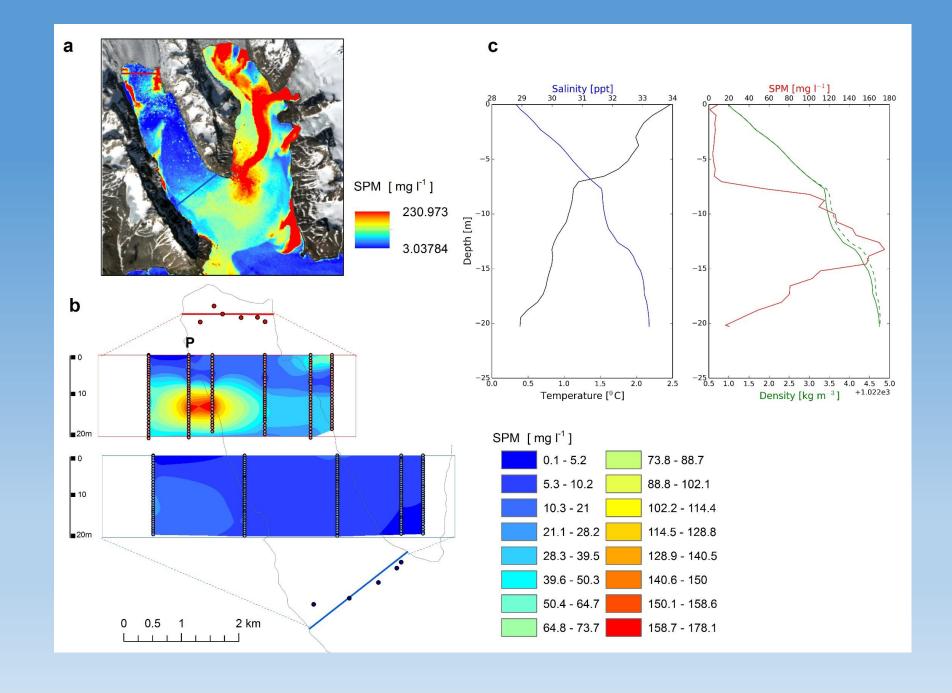


Twelve radiotagged kittiwakes show contact with the water (zero velocity) and indicate activity of feeding population – about 1000 birds









Three from the four observed scenarions provide food supply for surface feeding birds

