

Subproject: Influence of terrestrial run-off on marine production and carbon cycling 2014

Actual field dates: July 8 - August 12, September 2 - October 7

Field site: Tyrolerfjord - Young Sound - Greenland Sea

Number of man-days in the field: 500

Summary:

The field work in Young Sound was completed according to the plan. Four teams conducted sample collection and experimental work in July, August, September and October. Combined 18 scientists and students spend more than 500 days at the Daneborg field station. Sub-projects included bacterial production and carbon turn-over, primary production dynamics using ¹⁴C and ¹⁸O isotopes, protozooplankton composition and grazing impacts, copepod influence on pelagic carbon cycling and seasonal CO₂ and CH₄ dynamics in the fjord. A work shop is planned for June 23 and 24, 2015 at ARC, Denmark to start analyzing and synthesizing the data collected.

Photos:

Fig.1: Morning sampling in October. Credit: Tage Dalgaard

Fig. 2: Starting incubations on R/V Aage V Jensen. Credit: Tage Dalgaard

Participants:

AU: Mikael Sejr, Tage Dalgaard, Eva Friis-Møller, Egon Frandsen, Ane Middelbo, Stiig Markager. GINR: Thomas Juul-Pedersen, Kristine Arendt, Kunuk Lennert, Ivali Lennert. Other: Mathias Middelboe, Sophia EB Nielsen, Maria Paulsen, Aud Larsen, Antonio Huertas Delgado, Elena, Mesa Cano.

Acknowledgements:

Carlsberg Foundation, Greenland Ecosystem Monitoring Program, Arctic Research Centre, Greenland Institute of Natural Resources.

For more information contact: Mikael Kristian Sejr, mse@bios.au.dk

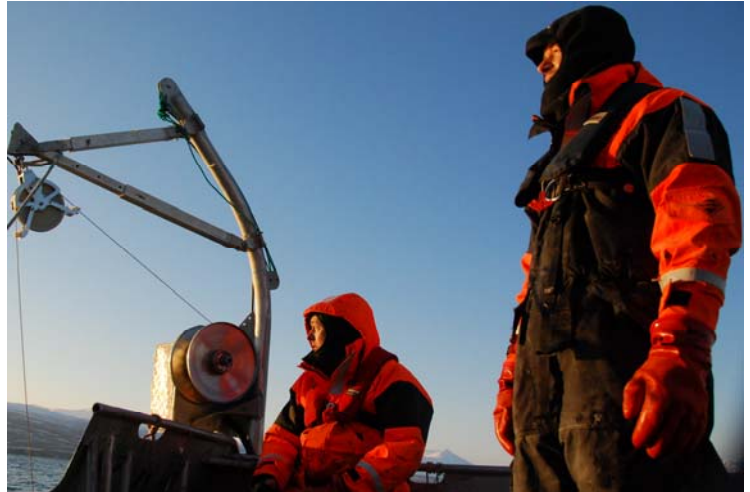


Fig. 1

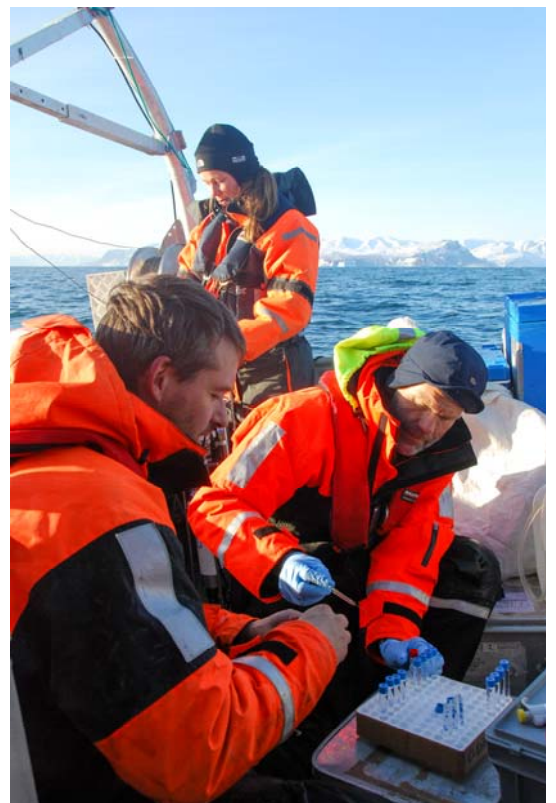


Fig. 2