

Project meeting 2014

Tuesday 3rd to Thursday 5th June 2014



CLEOPATRA II: *Climate effects on planktonic food quality and trophic transfer in the Arctic Marginal Ice Zone*

Agenda

Tuesday 3rd June: UNIS 09:00 Room Festningen: *Focus on environmental community data*

09:00 Welcome and some general information (by Janne)

09:30 Light and algal food environment in Rjipfjorden (Billefjorden?) Jozef Wiktor

10:00 Seasonal changes in sympagic and pelagic POM fatty acid composition – preliminary results
(Eva Leu)

10:30 Coffee break

10:45 *Calanus glacialis* population dynamics in Billefjorden and Rjipfjorden (Janne)

11:00 General overview of zooplankton community from Billefjorden from 2012-13 (based on 200 um samples) - Kasia Dmoch

11:15 Preliminary zooplankton community results from Billefjorden from 2012-13 (based on 60 um samples) - Rafal Boehnke

11:30 Preliminary zooplankton results from Oceania summer cruise 2013 from Isfjorden transect (including nets and LOPC data) carried out within UniPlankton (Kasiula)

12:00 Lunch UNIS

13:00 Zooplankton time series Rjipfjorden (Anette)

13:30 Homepage and database (Daniel Vogedes)

14:00 Coffee break

14:30 Community samples (protists and zooplankton)

- status
- Planned papers/ Tentative papers
- Which samples need to be analysed – who is responsible

16:15 DINNER UNIS

Wednesday 4th June UNIS 09:00 Room Festningen

Workshop on fatty acid and fatty alcohol composition in *Calanus* incl. progress in compound specific stable isotope analyses (Experimental work 2009, 2010 and 2013).

09:00 Year-round tracking of digestive and metabolic activity in *Calanus glacialis* (Daniela Freese)

09:30 Do environmental conditions influence the transition from low to high extracellular pH in *C. glacialis*? (Barbara Niehoff)

10:00 Energetic costs for the Arctic copepod *Calanus glacialis* during overwintering (Janne Søreide)

10:30 Coffee break

11:00 Seasonal variation in nutritious status in *Calanus* spp. (Malin Daase)

11:30 Capital or income breeder: the role of lipids and fatty acid composition for successful reproduction. (Maja Hatlebakk)

12:00 **LUNCH UNIS**

13:00 *Calanus* feeding strategies investigated by molecular tools (Tove Gabrielsen).

13:30 Compound specific stable isotopes (Martin Graeve)

13:45 Turnover of trophic markers and lipid carbon in distinct Arctic marine food webs. (Lauris Boissonnot present her new PhD thesis)

14:00 Ocean acidification effects on *C. glacialis* (Allison Bailey present her new PhD project)

14:15 Coffee break

14:30 Status on Part 3: modeling of annual routines (Øystein Varpe, PI of Part 3)

Windows of opportunities for zooplankton in high-latitudes

15:30 Explaining body size and reproduction of the copepods *Calanus* spp.: predictions from a life history model. (Maciej Ejsmond)

16:00 Data status, planned papers and tentative papers – who is responsible for what, metadatabase on FA and Falc data?

17:30 End Day 2

19:00 Dinner Radison SAS

Thursday 5th June UNIS 09:00 Room Festningen

09:00 Stay safe or feed well? Hibernation timing under unpredictable mortality risk in fluctuating environment (Maciej Ejsmond)

09:30 **Sum up of the meeting, planned conferences and new joint applications**

(10:30 Coffee served)

12:00 LUNCH UNIS

13:00 Project Workshop: people divided into groups for discussing/ working on their ongoing papers (more details later).

15:30 Summary group work

16:00 Dinner UNIS

17:00 Continue group work???

21:00 UNIS fire place – drinks for free ;-)

Friday 6. June UNIS Festningen 09:00

09:00 Continue group work

11:00 Group work summary

12:00 LUNCH

END CLEOPATRA II PROSJECT MEETING.