

Young Scientist Forum Workshop 2010: "Marine Biodiversity under change"

Dear participants,

We are looking forward to greeting you in Tromsø for the YSF workshop and the Arctic Frontiers conference 2010. Here is some information regarding the workshop, and your stay in Tromsø. Please read this information through before emailing me about any questions.

Visiting Tromsø in January is a very unique experience. After 2 months of polar night, the sun is returning in Tromsø in the end of the month. There is a very good chance to see northern polar lights, *Aurora borealis*, if the weather allows for a clear view of the sky. You are certain to experience snow and most likely also ice, which brings me to my point.

Bring clothes for cold and icy conditions. You should have a pair of shoes or boots which are suitable for the winter. A warm coat, a scarf and hat, and gloves are also must-bring items.

Prices and food

In general Norway has a higher price level than most other countries. You should be aware of this when you come. With an exchange rate of approx. 1€= 8.4 NOK some typical prices in a supermarket are: 1 bread: 15-30 NOK, 1L milk: 12 NOK, ½ L beer: 22 NOK. Eating out isn't cheap: 1 burger menu is ~ 100 NOK and a ½ L beer will cost 30 – 50 NOK.

There are possibilities to cook at the AMI hotel – a good way to save some money – please read the hotel homepage for more information.

Arrival

You will arrive at the airport of Tromsø. It is situated 10 min by car from the city centre and it is easy to get into town from the airport.

If you arrive on Sunday 24th, conference bus shuttles will take you to the city centre. They will leave in connection with the arrival of the Oslo flights from 15.00 to 21.30 (7 busses in total).

If you arrive earlier you can get into town with the local bus 42 (~ 26 NOK, cash only) which leaves on the road just outside the airport (3 min walk). Remember to take it in the right direction (to the city centre). Other options are the Airport bus shuttle (Fly bussen ~ 50 NOK) or taxi (~ 200 NOK).

Hotel

You will all stay at the AMI Hotel, situated in the centre of Tromsø, a 5 minutes walk uphill (see map). Breakfast buffet is included in your reservation, and a supper buffet is available for 20 NOK. Tee and coffee is available for free. It is possible to use a guest kitchen for cooking.

You will share 2-3 bed rooms in the hotel and I will fit everybody into a room. If you have special wishes about sharing a room with another participant I will try to respect that.

For detailed information on possibilities and offers, please refer to the AMI Hotel homepage: <http://amihotel.no/ami/english/index.html>.

Social events during the Arctic Frontiers Conference 2010

Workshop participants are invited to arrangements on three of the evenings during the conference:

- 1) The opening arrangement and the PolArt art exhibition on Sunday.
- 2) Bachalao buffet and Concert in the Arctic Cathedral on Wednesday.
- 3) Science conference banquet dinner at Rica Hotel on Thursday.

At the banquet participants are expected to dress **XXX**

Emergency number

My mobile number is +45 41190567 and I can be called or SMS'ed if you have an emergency or a urgent question. Please consider contacting me on email (matias.madsen@uit.no) if it is non-urgent matters.

Departure

Please check with your airline ticket when your latest check in time is. In general check in time is 45 – 60 minutes before take-off BUT PLEASE check this for your specific flight.

Reimbursement of tickets

It is very important that you keep ALL boarding passes and receipts from all flights (to and from Tromsø). These must be sent to us after the conference. Reimbursement might not be possible if some boarding passes are missing.

All students with travel support must keep their boarding passes.

Meeting places in Tromsø

On Saturday and Sunday after the conference you will have access to the Polar Environmental Centre, where you can meet. More info will follow.

Following cafés should have free internet access and are not too pricy:

Café Driv (Student café), Café Flyt and many others.

There are many places to go out and to meet in Tromsø.

YSF Workshop 2010

The Young Scientist Forum workshop 2010 consists of a) taking part in the Arctic Frontiers Conference 2010, b) giving a presentation, and c) following the workshop. During the workshop a few lectures will be given by invited speakers and the teachers. The main activity is to formulate and present an application to the ARCTOS Arctic research council on marine biodiversity. You will receive a call for applications on a theme chosen for the group you belong to (Group 1-4).

Each group should discuss and prepare a research application to the 'ARCTOS Arctic climate programme', which is presented by the workshop participants on the last afternoon/evening of the workshop.

In short time each group will be emailed some papers, which will help them prepare for the workshop.

Please note that the writing of a research application isn't only a scientific challenge. The groups should also consider and pay attention to the form, the use of the research to the public and other criterions, all mentioned in the call for applications.

Skibotn Field station

This year the workshop will continue after the Arctic Frontiers Conference at the Skibotn Field station. Skibotn is situated some 2 hours drive from Tromsø and is very scenic. Here you will have excellent opportunity to observe *Aurora borealis*, in fact there is an observatory in connection with the field station.

There is also possibility to use the sauna at the field station, so consider bringing bathing suits. There are bed clothes at the station.

All meals will be served during the stay at Skibotn field station. Please inform me as soon as possible of special concerns like allergy or special food preferences.

Group work / Research themes

(More detailed in the call for applications).

Group 1 – Invasion of boreal fish species into the Arctic Ocean

Group 2 – Vulnerability of near shore Arctic biota

Group 3 – Phytoplankton and ice algae – affects of climate changes

Group 4 – The Arctic *Calanus* complex

Group 1: Joanna Pawlowska, Andrey Semushin, Katya Solyanko, Lies van Steenbrugge, **Ole Aarbakke**, Camilla Ottesen, Piotr Balazy

Group 2: Aurélie Goutte, **Iris Jæger**, Joanna Przytarska, Kamila Sztybor, Katarzyna Zmudczynska, Natasha Belkina, Dubrava Kirievskaya

Group 3: Philippe Benoit, **Anais Aubert**, Nina Bednarsek, Ania Baczewska, Dorota Kidawa, Anastasia Korzunina

Group 4: Ananda Rabindranath, Imme Rutzen, **Frank Gaardsted**, Rafal Boehnke, Emilia Trudnowska, Larysa Samchyshyna, Svetlana Matviy

The students marked in **bold** are based in Tromsø, and can help you with smaller practical questions about Tromsø or the university. Please note that all questions regarding the workshop and administration of the workshop should be directed to me.

Maps of Tromsø:



Young Scientist Forum Workshop 2010 – Programme

(HVAD MED CONOCCO PHILIPS – de ville have møte med studentene, ikke?)

Day planes for the WS BIO-8512 under Arctic Frontiers 2010

Updated January 3rd.

(Busses from the city centre to the University will leave from the Riga Hotel – Please check the official programme for changes).

Sunday 24 January

Arrivals and opening of AFT-2010

17:30-19:00 Student that have arrived meet at the Polar Environmental Centre for information.

19:00-21:00 Get together – the return of the sun, Polar Environmental Centre

21:00-23:00 Cocktail and Exhibition, POLART at Tromsø Kunstforening

Monday 25 January

07:30 & 08:00 Busses to the University, leaving from Rica Hotel

09:00-17:00 Opening of the conference, Auditorium I

16:00-17:00 BIO-8512 / Young Scientist Forum session, Auditorium II

- Welcome to YSF, Paul Wassmann
- ARCTOS network, Stig Falk-Petersen
- Young Scientist Forum Workshop, Matias Madsen

17:00-17:30 Busses from the University to Rica Hotel

Tuesday 26 January

08:00 & 08:30 Busses to the University, leaving from Rica Hotel

09:00-16:45 Students follow lectures at AFT-2010

16:40-17:00 Afternoon meeting, Auditorium II

17:00-17:30 Busses from the University to Rica Hotel

Wednesday 27 January

08:00 Busses to the University, leaving from Rica Hotel

08:30-16:00 Students follow lectures at AFT-2010

16:00-18:00 Poster session

18:00 Busses from the University to Rica Hotel

18:30-19:30 Bacalao dinner at DRIV

20:00-22:00 Concert in the Arctic Cathedral (Busses will leave from DRIV)

Thursday 28 January

08:00&08:30 Busses to the University, leaving from Rica Hotel

09:00-16:00 Students follow lectures at AFT-2010

16:00-16:10 Afternoon meeting.

16:15 Busses from the University to Rica Hotel

19:00- Science conference banquet dinner at Rica Hotel.

Friday 29 January

- 09:00-13:40 Students follow lectures at AFT-2010
13:40-14:00 Information (Matias Madsen).
14:15 Busses from the University to Rica Hotel

Saturday 30 January

- 11:00-12:00 *Writing applications*, Haakon Hop (Norwegian Polar Institute) (at the Polar Environmental Centre).
12:00-12:30 *Aquatic Ecotoxicological Risk Assessment: A Case Study in the South Florida Environment*, John F. Carriger (Florida International University)
12:30-15:00 Northern Lights, talk by ... OR Visit at Tromsø Museum. Exhibitions on Northern Lights (<http://tinyurl.com/tromso-museum>) and local nature and culture: (<http://tinyurl.com/tromso-museum1>). You can walk or take the bus to the museum. Entrance fee for students is 15 NOK (remember student card) normal entrance fee is 25 NOK.
15:00- Group work

Sunday 1 February

- Morning Group work
13:45 Departure for Skibotn. Bus leaves from AMI hotel.
16:00 Arrival Skibotn.
17:00-18:00 Dinner
19:30-20:15 *Challenges for Arctic marine fishes and fisheries*, Jørgen Schou Christiansen.

Monday 2 February

- 08:00-09:00 Breakfast
09:00-09:45 *Hidden diversity in arctic marine invertebrates* – Presenting the idea how the functional diversity of long living animals is replacing the true taxonomic diversity in Arctic, Jan Marcin Weslawski.
10:00-12:00 Group work
12:00-13:00 Lunch
13:00-15:00 Walks
15:00-17:00 Group Presentations – current status.
17:00-18:00 Dinner
20:00- Group work / Social activity?

Tuesday 3 February

- 08:00-09:00 Breakfast
09:00-09:45 *Consequences of changing sea ice cover for primary and secondary producers in the Arctic*, Stig Falk-Petersen
10:00-12:00 Group work
12:00-13:00 Lunch
14:00- 17:00 Group presentations (15 min per group). Critique of the presented research applications.
17:00-18:00 Dinner

Wednesday 4 February

08:00 Breakfast

08:45-11:00 Bus back to Tromsø

Seniors attending Skibotn

Professor Jan Marcin Weslawski, Institute of Oceanology PAS.

Professor Jørgen Schou Christiansen, University of Tromsø

Professor Paul Wassmann, University of Tromsø

Professor Stig Falk-Petersen, University of Tromsø, scientist Norwegian Polar Institute.

Matias Langaard Madsen, University of Tromsø