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Summer school 21 – 28 August 2011

Impact of climate change on resources, maritime transport and geopolitics in the Arctic and the Svalbard area

A contribution to the 150 year anniversary of Fridtjof Nansen

Venue: Norwegian Scientific Academy for Polar Research, “Isdammen” and The University
Center in Svalbard (UNIS), Longyearbyen

Sunday 21: arrival in Longyearbyen.

- 1700 - 1800:** Registration
1800 – 1900: “The life of Fridtjof Nansen and his contribution to modern oceanography”, by Prof. Ola M. Johannessen, President
1900-1930: Brief information about the Academy and the summer school, Gunnar Sand, Secretary General
1930: Welcome dinner.

Monday 22 August:

- 0930-1030:** “The creation of the Arctic Ocean” Prof. Y. Kristoffersen, Univ. of Bergen
1030-1100: Coffee
1100-1200: “Arctic Climate: present and future perspective” by Prof. Ola M. Johannessen, Nansen Scientific Society/Nansen Environmental and Remote Sensing Center
1200-1300: “Circumpolar oil and gas resources, land and offshore” by Drs. A. Kjelaas, Research Council of Norway, Oslo/A. Jørgensen-Dahl, Ocean Future, Oslo
1300-1400: Lunch
1400-1500: “Fish resources in relation to climate in the Barents Sea.” by Prof. H. Loeng, Institute of Marine Research, Bergen
1500-1600: “Maritime transport: Northeast Passage, Northwest Passage and Transpolar, present and future by Dr. W. Østreng, Ocean Future, Oslo
1600-1630: Coffee
1630-1700: “The changing geopolitics of the Arctic”, by Dr. W. Østreng, Ocean Future, Oslo
1730-1830: Non-Arctic states involvement in Arctic geopolitics, by Ambassador Karsten Klepsvik, Ministry of Foreign Affairs, Oslo.

Evening program: “Vivaldi”, by Prof. G. Hernes, Institute for Labour and Social Research (FAFO)

Tuesday 23 August:

- 0930-1100:** Formulation of questions from the 4 student groups on climate change, resources, maritime transport and geopolitics to the first-day lecturers
- 1100-1130:** Coffee
- 1130-1300:** Plenum questions from students to the lecturers from previous day and discussion
- 1300-1400:** Lunch
- 1400-1700:** Poster presentations on the four themes from the students: 5 minutes each in plenum and discussion around the posters, coffee included
- 1700-1800:** Dr. W. Østreng, Ocean Future, Oslo: Interdisciplinary approach to our work

Wednesday 24 August:

- 0930-1015:** Arctic Remote Sensing, by Prof. S. Sandven, Nansen Environmental and Remote Sensing Center, Bergen.
- 1015-1100:** Northern Sea Route, Russian perspective, by Dr. L. Bobylev, Nansen International Environmental and Remote Sensing Center, St. Petersburg, Russia
- 1100-1130:** Coffee
- 1130-1300:** Workshops in the four thematic areas for the rest of the morning (climate change, resources, maritime transport, geopolitics)
- 1300-1400:** Lunch
- 1400-1500:** Economics of climate change and Integrated Assessment modelling: the Northern perspective, by Dmitry Kovalevsky, Nansen International Environmental and Remote Sensing Center, St. Petersburg, Russia.
- 1500-1730:** Workshops in the four thematic areas for the rest of the afternoon, coffee included

Thursday 25 August:

- 0930-1730:** Interdisciplinary work: Set up interdisciplinary groups, define key questions across the disciplines. Create a content list for a report/paper, writing assignment and start writing the report/paper based on all the previous days presentations and discussions. Title of the report/paper: **Impact of climate change on resources, maritime transport and geopolitics in the Arctic and the Svalbard area.**

Friday 26 August:

- 0930-1300:** Writing in the groups and preparing for the reporting in the afternoon
- 1300-1400:** Lunch
- 1400-1800:** Reporting, discussion and schedule for finalizing the report/paper from the summer school.

Saturday 27 August:

Excursion

Sunday 28 August:

Leave Svalbard

Application:

1. The Summer School will accept applications from 20 Ph. D. students and Post-docs in the fields of Arctic Climate, Arctic Resources, Maritime Transport and Geopolitics.
2. The Summer School will provide air travel from Oslo Sunday morning the 21 of August to Longyearbyen Svalbard and return to Oslo on 28 August.
3. The Summer School will provide lodging and food during the duration
4. The Summer School will provide the excursion on Saturday
5. Send application and CV to: Ola M. Johannessen, email ola.johannessen@nersc.no
6. Deadline: 17 June 2011, with our response by the end of June 2011.