

Murmansk 23-24 January 2021

THE ARCTIC READINGS: to the 160th
anniversary of Fridtjof Nansen”

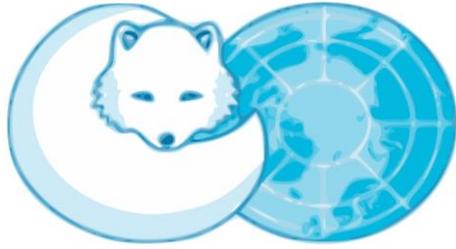
30 years of cross-border collaboration for ecosystem understanding in a changing Arctic

Salve Dahle

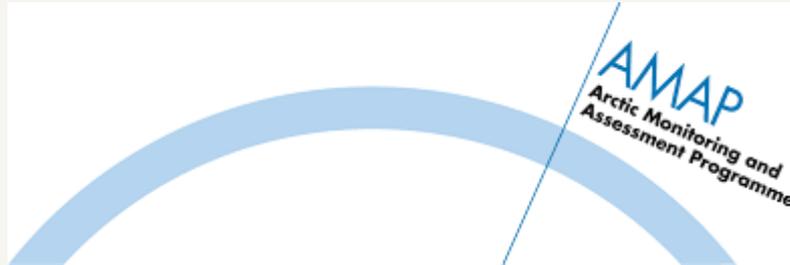
Alexei Bambulyak

Paul Renaud

Akvaplan-niva



ARCTIC COUNCIL



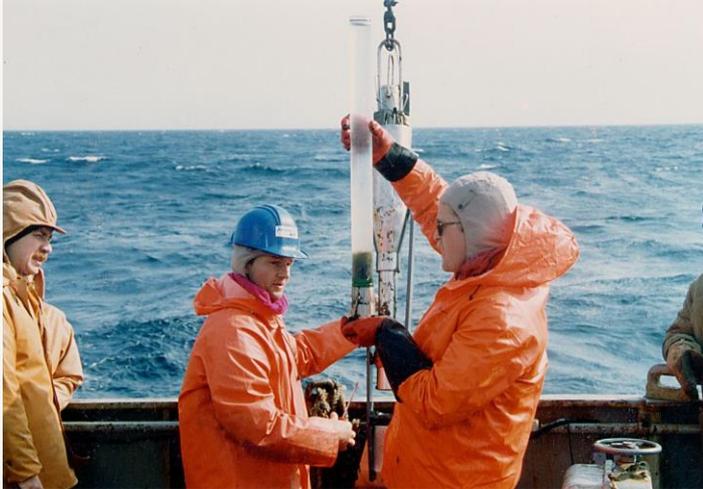
MMBI, Dalnie Zelentsy, Kola coast, July 1992



In the field in Russian and Norwegian Arctic



On board vessel Dalnie Zelentsy



Landing on islands in the Pechora Sea



July 1992, landing at Novay Zemlya



The nuclear testing site on Novaya Zemlya.
With Director of MMBI Gennady Matishov and Dmitry Matishov



The productive but variable Barents Sea ecosystems



Thysanoessa inermis

Cooperation
with PINRO

Orlova et al. 2010
Aquat Biol

Krill
in cold years (A og B – 1978)
in warm years (C og D – 2007).

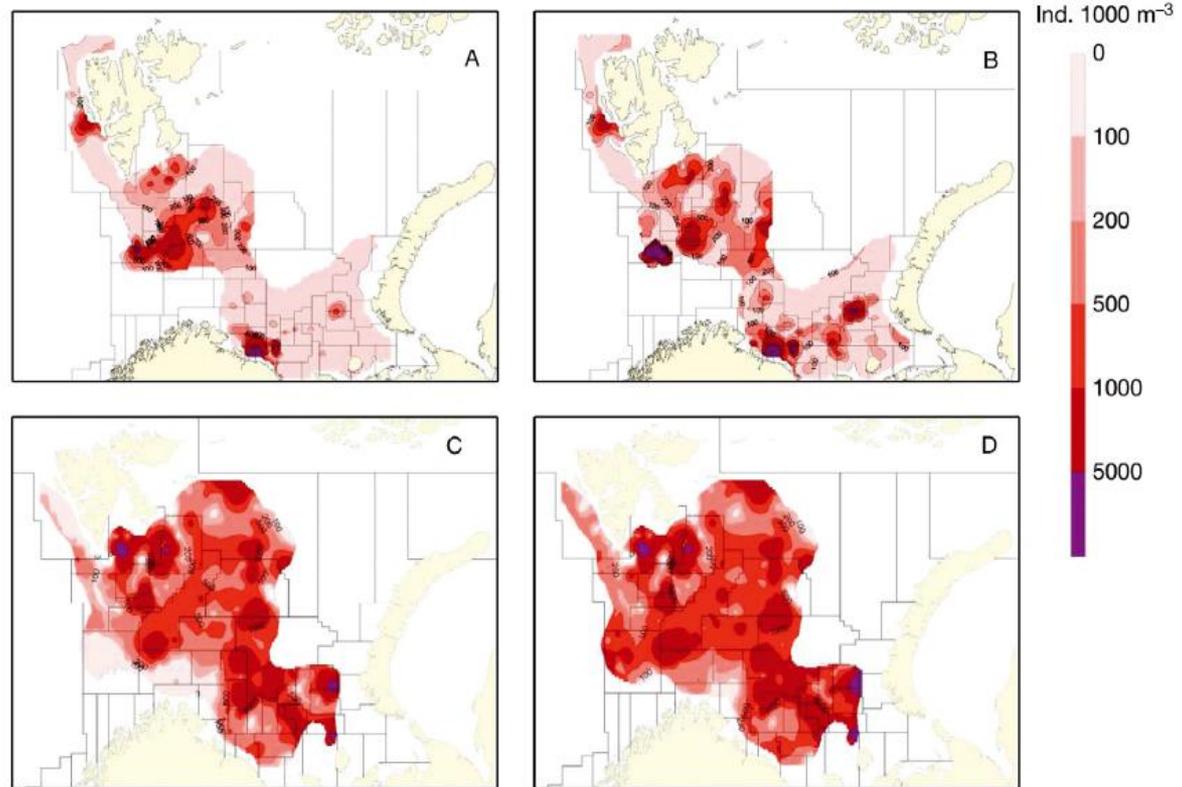


Fig. 3. Euphausiid distributions in (A,B) very cold (1978) and (C,D) very warm (2007) years. (A,C) *Thysanoessa inermis* and (B,D) total euphausiid abundance. Densities (ind. 1000 m⁻³) indicated by color scale

Moscow, Hall of columns, 2009



Petroleum industry in the
Barents Sea:
Can the North Sea toolbox
be used in cold waters?

NATO

Science for Peace and Security (SPS) Programme

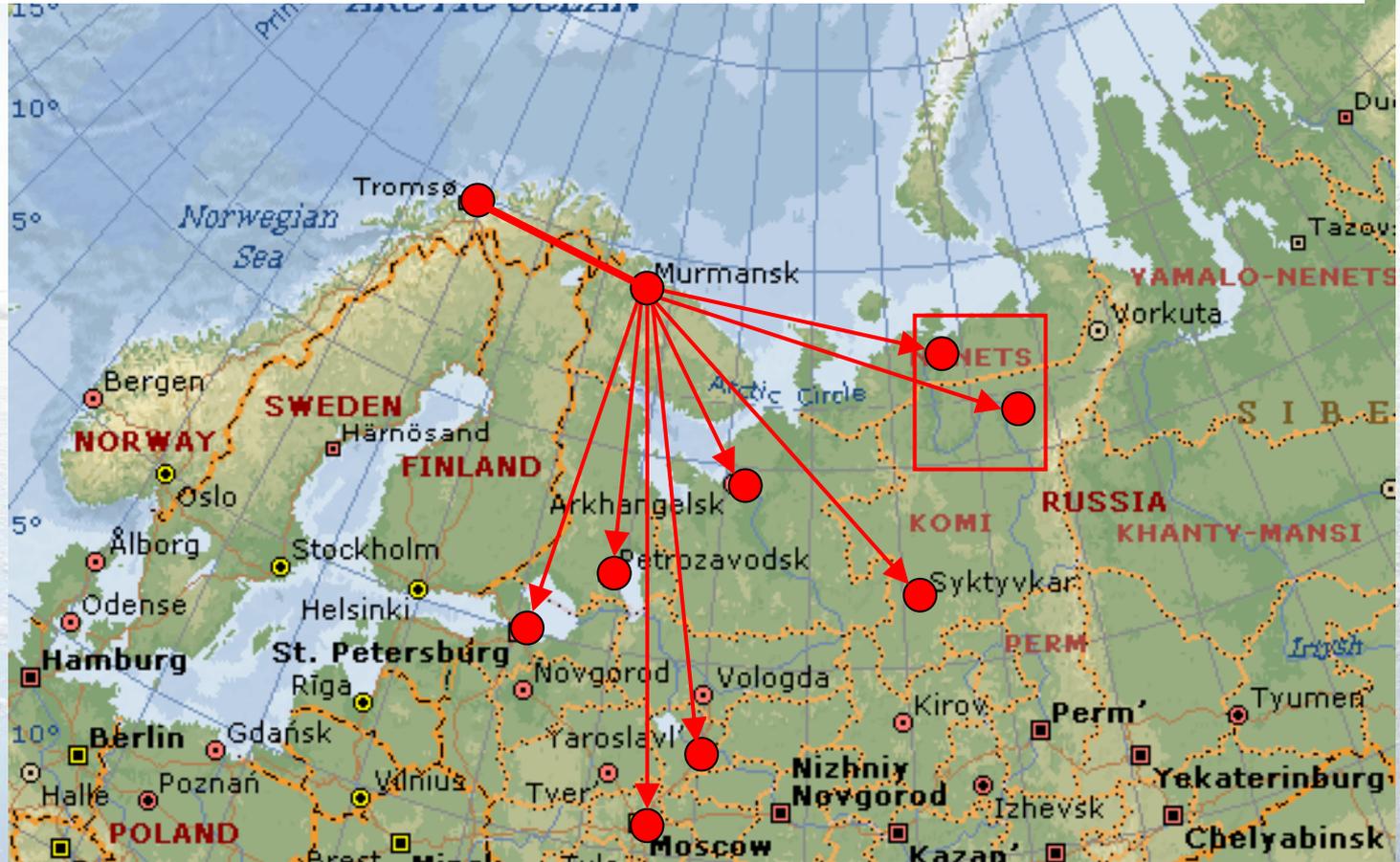


“Oil pollution – risk management and decision support system”

Syktyvkar, Komi Republic September 2009

Tromsø, Norway , January 2010

2006: long term effect of Komi oil spill in 1994.



Long term biological effects of an oil spill - Komi oil spill in 1994

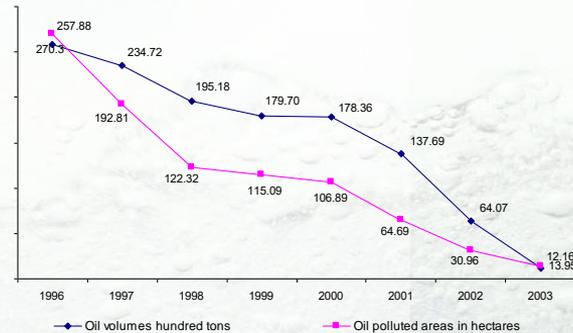


Figure. 1. Showing the dynamics of the clean-up operation in the volume of the collected oil and the cleaned up territory after the 1994 accident.



Narjan Mar at lower Pechora River



Norwegian-Russian environmental cooperation

Funded by: Norwegian Research Council - NORUSS program
Russian Foundation for Basic Research



Akvaplan
niva



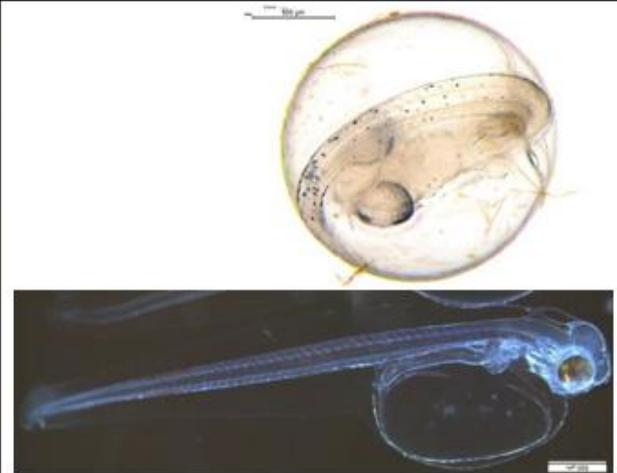
UiT / NORGES ARKTISKE
UNIVERSITET



**Environmental Management of Petroleum Activities in the Barents Sea:
Norwegian-Russian Collaboration (EMAP)**

Akvaplan-niva (lead); St. Petersburg State University; UiT Arctic university of Norway and VNIIOkeangeolgia named after I.S. Gramberg

Field Laboratories



*Collecting capelin eggs (left) and developing embryo (top right) and larva with egg sac (bottom right).
Photos: M Frantzen, C Granlund*

Environmental Monitoring Programme for Aquatic Ecosystems in the Norwegian, Finnish and Russian Border Area

Updated Implementation Guidelines

JUKKA YLIKÖRKKÖ | GUTTORM N. CHRISTENSEN | HELEN JOHANNE ANDERSEN | DIMITRII DENISOV | PER-ARNE AMUNDSEN |
PETR TERENT'JEV | ELLI JELKÄNEN (EDIT.)



Across border environmental monitoring



Studies of radionuclides on Kola coast 2013 -2018

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МУРМАНСКИЙ МОРСКОЙ БИОЛОГИЧЕСКИЙ ИНСТИТУТ
АКВАПЛАН-НИВА



INTERNATIONAL SCIENTIFIC WORKSHOP
МЕЖДУНАРОДНЫЙ НАУЧНЫЙ СЕМИНАР

“RADIATION SAFETY ISSUES OF THE KOLA
PENINSULA COASTAL ECOSYSTEMS”

“ПРОБЛЕМЫ РАДИАЦИОННОЙ БЕЗОПАСНОСТИ ПРИБРЕЖНЫХ
ЭКОСИСТЕМ КОЛЬСКОГО ПОЛУОСТРОВА”

PROGRAMME
ПРОГРАММА

June 29-30, 2015
Murmansk, MMBI

29-30 июня 2015 г.,
г. Мурманск, ММБИ



Studies of radionuclides on Kola coast 2013 -2018

INTERNATIONAL SCIENTIFIC WORKSHOP
МЕЖДУНАРОДНЫЙ НАУЧНЫЙ СЕМИНАР

Murmansk 2017
Director MMBI,
Gennady Matishov



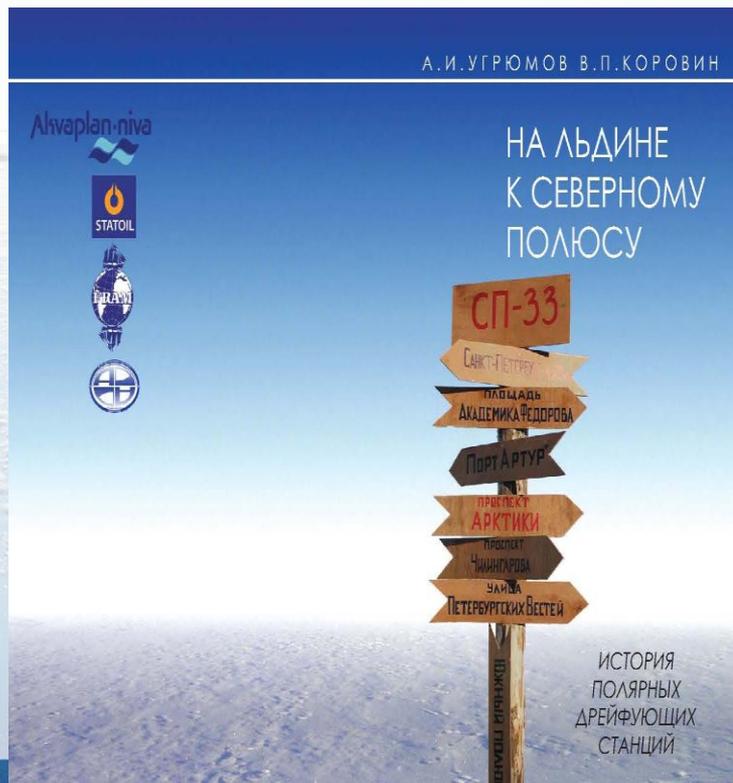
Aquaculture



Working together across borders

creates relationships and friends and business

Russian Polar Heroes, and Norwegian Polar Heroes



Severnyi Polus I



2014: Akvaplan-niva sign agreement with Russian Geographical Society

СОТРУДНИЧЕСТВО В АРКТИКЕ

11 сентября 2014



Председатель оргкомитета Arctic frontiers Салве Дале и Первый Вице-президент Общества Николай Касимов

Aquaculture workshops



2011 anniversary
seminars and exhibitions in Tromsø
and Arkhangels:

“From Lomonosov to Nansen
- and beyond”

2011

Joint Norwegian-Russian
seminars devoted to jubilees of
Lomonosov and Nansen
Совместные российско-норвежские
семинары приуроченные к юбилеям
Ломоносова и Нансена

Tromsø
Тромсё

Arkhangelsk
Архангельск

2011 in Tromsø during Lomonosov-Nansen seminar:

Young Student Forum meets with Jonas Gahr Støre, Ministry of Foreign Affairs

**ARCTIC
FRONTIERS**





2022 ARCTIC FRONTIERS
PATHWAYS

TROMSØ NORWAY 31. JANUARY – 3. FEBRUARY

