



Research and education - key elements for collaboration

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University of Oulu, Finland
Vice-chair: Gert Mulvad, Centre for Education, Greenland

<http://thule oulu.fi>

Thematic network of Health and well-being in the Arctic

- 2005 - TN started
- Strategy 2006:
- Step by step - learning by doing together - joint Master's program (2 years) - PhD program & research projects ...
- Time table and limits - benefits/risks - at least joint courses together
- Starting point - 2006, development of curriculum of joint Master's program - starting 2009 January (11 students)...

Need of professionals

- Administrative and managerial positions within health care services and in health promotion, education, development, planning and research
- International Master level programs (2 year) - Global/public health
- Researchers - new challenges of the future
- Nurses, doctors, social workers trained for Arctic circumstances - different type of skills needed (working alone, cultural, language skills...) - special courses
- Occupational health care? - new livelihoods like mining, shipping - new northerners

Important issues - building networks

- Good partners
- Working together - learning by doing
- Building a new network by combining existing activities, good curriculum work, new aspects
- Selection of topic - important - should be in the focus area of the own university/institute, but unique
- Funding available from different sources
- Good marketing plan for selecting students, researchers

International Master's Degree Programme in Health and Well-being in Circumpolar Area

University of Oulu (coordinator):

Faculty of Medicine, Dept of Health Sciences
Thule Institute, Centre for Arctic Medicine

Luleå University of Technology, Sweden

Northern State Medical University, Russia

NARFU, Russia

University of Lapland, Finland

University of Manitoba, Canada

(University of South Denmark, Denmark)

Center for Health Education, Greenland



Building networks - joint research/education programs

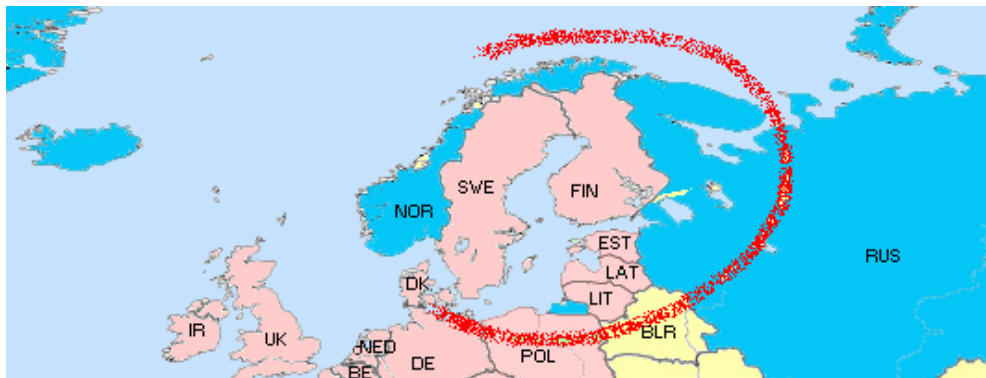
- **Local regional partners** - universities and institutes
- **National partners**
- **Nordic** (Sweden, Norway, Iceland, Denmark)
- **Cross-border partners/universities**, bilateral e.g. Finland and Russia or/and e.g. Barents area (Sweden, Norway, Russia and Finland)
- **Special programs** for Canada-Finland or USA-Finland
- **University of the Arctic Thematic Networks**
- First joint courses, then moduls, program...
- First joint program - joint degree - double degree

The Barents Cross-Border University (BCBU) project



BARENTS
Cross Border University

- **The BCBU project**, started in 2006, is based on the cooperation between the universities of Lapland and Oulu and other universities within the Barents region, especially in the Northwest-Russia and Nordic countries
- The starting point is in the **mutual interests of the partner universities** as well as in the **principles and aims of partnership programs and the EU's Northern Dimension and Arctic policy**
- The main aim is to launch several Master's programs, which subjects falls in the priorities of the Northern Dimension



Activities of Health and well-being in the Arctic

- **Master's program** Health and well-being in the circumpolar area (2009), UArctic program, 3 continue on PhD program
- **Joint summer/winter schools** of Master's and PhD students and international conferences and seminars (2009)
- **Research projects**, e.g Arctic health risks (ArcRisk, leaded by AMAP, health part by CAM, Thule Institute, 2009-), Kolartic-ENPI projects (2012-, reseach projects between BCBU projects 2009-)
- **UArctic PhD program** in Arctic health and well-being (2012)

Collaboration with different programs

- Teaching, instruction, supervision
- Courses in own university (different programs)
- Courses/summer/winter courses provided by UArctic TNs or BCBU/CBU programs
- Public Health Schools (Gothenberg, Alaska, Tromso)
- Next steps... other universities (e.g. Japan, China)
- Health networks s- chair's/vice-chair' activities in health organisations, like AMAP, SDWG, IJCH, IUCh, NCHR, national strategies..

PhD program & courses 2010 - 2013

- **Norden, Top-level Research Initiative program** (2010-2013, for Nordic PhD students and teachers) - UArctic, & Global change TN
- **UArctic PhD program on Arctic health and well-being** (Arctic Cooperation Programme 2012-2014) - Thematic TN

Winter/summer schools, seminars:

- Copenhagen, May 2010: **Dietary assessments**
- Oulu, November 2010: **People in changing climate**
- Kautokeino, March 2011: **Reindeer herding**
- Oulu, June 2011: **Risk assessment and Risk communication**
- Abisko, May 2012: **Snowtalks**
- Fairbanks, August 2012: **Health literacy and women's health**
- Oulu, November 2012: **Security in changing world**
- Abisko, May 2013: **Health impact assessment and climate change**
- Nuuk, September 2013: **Health, society, and environment in relation to large-scale industrial projects**

- University of the Arctic thematic network
- Collaboration between different universities in the Arctic

Multidisciplinary dialogue - wellbeing, technology and environment

- **FIRST JOINT SUMMER SCHOOL ORGANIZED BY FINNISH-RUSSIAN CROSS BORDER UNIVERSITIES August 27 - 31, 2012, Rovaniemi, FINLAND**
- Themes: Environment - Environmental engineering - Human health and wellbeing - IC Technology - Ethics of multidisciplinary research - Methodology
- Second will be in Kuopio, summer 2014



ArcRisk Consortium members



Arctic Monitoring and Assessment Programme (AMAP) Secretariat, Norway



Stockholms Universitet, Sweden



Lancaster University, United Kingdom



Oulun Yliopisto, Finland



IVL Svenska Miljöinstitutet AB, Sweden



Aarhus Universitet, Denmark



Arctic Ecosystem Health Freshwater Institute, Department of Fisheries and Oceans, Canada



Alfred-Wegener-Institut Fuer Polar- und Meeresforschung (AWI), Germany



Consejo Superior de Investigaciones Cientificas (CSIC), Spain



Eidgenossische Technische Hochschule Zuerich, Switzerland



Environment Canada, Aquatic Ecosystem Protection Research Division, Canada



Health Canada, Safe Environments Programme Environmental Health, Canada



Institut Jozef Stefan (IJS), Slovenia



Masarykova Univerzita, Czech Republic



Max Planck Gesellschaft zur Foerderung der Wissenschaften E.V., Germany



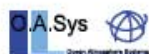
Norsk Institutt for Luftforskning (NILU), Norway



Northwest Public Health Research Center (Russian Ministry of Health and Sciences), Russia



Nasjonalt Folkehelseinstitutt, Norway



O.A.Sys – Ocean Atmosphere Systems, Germany



University Centre in Svalbard (UNIS), Norway



Universitetet i Tromsø, Norway

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Arctic Health Risks:
Impacts on health in
the Arctic and Europe
owing to climate-
induced changes in
contaminant cycling



Topics addressed: FP7-ENV-2008-1

Topic: ENV.2008.1.2.1.2. Comparison of health risks in populations in the Arctic and selected areas in Europe due to the spreading of contaminants resulting from climate change.

Grant agreement: 226534

Project budget: 4.74 million Euro (EU contribution 3.5 million Euro)

Project duration: June 2009 - November 2013

www.arcrisk.eu

www.arcrisk.eu

Arctic Human Development Report (AHDR -II): Regional Processes and Global Linkages 2014

Joan Nymand Larsen

Stefansson Arctic Institute, Iceland

&

Gail Fondahl

University of Northern British Columbia, Canada

&

Henriette Rasmussen, KNR, Greenland





IASC

SOCIAL & HUMAN SCIENCES WG

Chair: **Peter Schweitzer** (USA) Vice-Chairs: **Sylvie Blangy** (France) and **Gail Fondahl** (Canada)

Former Chair: **Louwrens Hacquebord** (The Netherlands)



Scientific Foci

- Human health and well-being
- Indigenous peoples and change: adaptation and cultural and power dynamics
- Exploitation of natural resources: past, present, future
- Histories and methodologies of arctic sciences and arts
- Perceptions and representations of the Arctic
- Security, international law and cooperation

Cross-cutting foci

- Human health, wellbeing and ecosystem change
- Collaborative community research on climate change
- Competing forms of resource use in a changing environment
- Perceptions and representations of arctic science
- People and coastal processes



16th International Congress on Circumpolar Health

*Focus on Future Health and Wellbeing
June 7 – 13, 2015, Oulu Finland*

More information <http://thule.oulu.fi>

Health and well-being in the Arctic

- Plans for next 5 years
- Joint Master's program (20-30 degrees) - continues
- PhD program (20-30 students) - continues, joint degree between some of the universities, like Univ Oulu & Univ Alberta, Univ Oulu & NARFU?...
- Research projects (3-5), funded by EU, Norden, Academies...
- Courses for professionals (1-3)
- International congresses, seminars
- Continue working in different health groups



Thank you!

