

Centre for Regional Science (Cerum) Umeå University

List of projects dealing with issues related to the development of the Barents Region 1989–2002

The listing offered here contains information about projects conducted at the Centre for Regional Science (Cerum), Umeå University. Each project is characterized under 6–7 main titles: project name, project participants, project management, principal funding, approx. duration, and publications. In some cases when required short comments have also been added.

Only projects directly related to Cerum, Umeå University, have been listed. A number of publications authored by researchers in other departments of Umeå University were published in Cerum's Northern Studies Working Paper or Reprint series. (A complete listing of publications in Cerum's Northern Studies series is provided on Cerum's web presentation at: http://www.cerum.umu.se/publikationer/index_NB.html.)

This compilation of Cerum projects related to the Barents Euro-Arctic programme was made by Mats-Olov Olsson (in mid November 2002).

Environmental organizations in the Russian North-West

Project participants: Mats-Olov Olsson, Cerum, Umeå University; Oleg A. Andreev, Murmansk Institute of Teachers' Further Training, Murmansk.

Project management: Mats-Olov Olsson, Cerum, Umeå University.

Principal funding: Umeå University; Swedish Institute, Stockholm.

Approx. duration: Part time 1991–1992.

Publications:

Andreev, Oleg A.; Mats-Olov Olsson (1992): *Environmentalism in Russia's North-west*. Northern Studies Working Paper No. 1.

Andreev, Oleg A. & Mats-Olov Olsson (1994): "New Environmentalism in the Russian North-west." In: *The Changing Circumpolar North: Opportunities for Academic Development* ed. by Lassi Heininen. Arctic Centre Publications 6. Rovaniemi: University of Lapland, Rovaniemi. (The chapter is reprinted as Cerum Northern Studies Reprint No. 3.)

Problems during the transition from a resource-based economy to a knowledge-based economy

Project participants: Heikki Jussila, The Research Institute of Northern Finland, University of Oulu; Lars Olof Persson, FORA, KTH, Stockholm; Ulf Wiberg, Cerum, Umeå University.

Project management: Lars Olof Persson, Research Group on Regional Analysis (FORA), Dept. of Regional Planning, The Royal Institute of Technology (KTH), Stockholm.

Principal funding: Swedish National Rural Area Development Authority; Cerum, Umeå University; The Research Institute of Northern Finland, Oulu; University of Joensuu, Joensuu.

Approx. duration: Series of seminars in Tornio, Finland 1989, in Abisko, 1990, in Sønderborg, Denmark 1991 and in Apatity, Russia 1992.

Publications:

Heikki Jussila, Lars Olof Persson & Ulf Wiberg, eds. (1993). *Shifts in Systems at the Top of Europe*. Stockholm: Fora, KTH (181 pp.).

With contributions by Margrethe Aanesen, NORUT, Tromsø; Gennady Kalabin, INEP, Kola Science Centre, Apatity; Jarmo Kortelainen, Karelian Institute, Univ. of Joensuu; Gennady Luzin, Vladimir A. Ilyin, Alexei N. Zuyev, Lyubov Sokolova, and Nicolai Peshev, IEP, Kola Science Centre, Apatity; Timo Tammi and Ilkka Eisto, Karelian Institute, Univ. of Joensuu; Eira Varis, Mekrijärvi Research Station, Univ. of Joensuu; Knut Heen, Foundation of Applied Research, Univ. of Tromsø; Olli-Pekka Jalonen, Tampere Peace Research Institute; Harri Rikkonen and Jarmo Männistö, Research Institute of Northern Finland, Univ. of Oulu.

New political, economic, and ecological perspectives for the Kola Peninsula – A Pilot Study

Project participants: Mats-Olov Olsson, Cerum, Umeå University; Torgny Mossing, Dept. of Environmental Health, Umeå University; Jan Åke Dellenbrant, Dept. of Political Science, Umeå University; Ulf Wiberg, Cerum, Umeå University, Oleg A. Andreev, Murmansk Institute of Advanced Teachers' Training, Murmansk.

Project management: Ulf Wiberg, Cerum, Umeå University.

Principal funding: Centre for Environmental Research (CMF), Umeå.

Approx. duration: May 1993–1994.

Publications:

Seven chapters in the volume:

Dellenbrant, Jan Åke; Mats-Olov Olsson, eds. (1994): *The Barents Region; Security and Economic Development in the European North*, CERUM Perspektiv (246 pp.).

Chapter 1: Jan Åke Dellenbrant and Mats-Olov Olsson: "Regionalization and Security in the European North" (pp. 9–17).

Chapter 3: Ulf Wiberg: "Co-operation in the Barents Region" (pp. 27–39).

- Chapter 6: Gennady P. Luzin: “The Economy of the Kola Peninsula and Its Significance for the Barents Region” (pp. 74–89).
- Chapter 8: Natalya Kazantseva and Lars Westin: “Missing Networks in the ‘Missing Region’” (pp. 105–124).
- Chapter 10: Mats-Olov Olsson and Alexei V. Sekarev: “Environment and Security in the Kola Peninsula” (pp. 138–154).
- Chapter 14: Oleg A. Andreev and Mats-Olov Olsson: “Self-government for the County of Murmansk – Background and Recent Developments” (pp. 197–219).
- Chapter 17: Jan Åke Dellenbrant and Mats-Olov Olsson: “Knowns and Unknowns – Implications for Future Research” (pp. 237–243).
- Dellenbrant, Jan Åke; Oleg Andreev (1994): “Russian Politics in Transition: Political Parties and Organizations in Russia and the Murmansk Region” in *Scandinavian Political Studies*, Vol. 17, No. 2, pp. 109–142. (The article is reprinted as Cerum Northern Studies Reprint No. 5.)
- Dellenbrant, Jan Åke; Cynthia Kite (1994): “Networks in the North: Historic Patterns and Future Scenarios.” In: *Regional and Transnational Cooperation in the North* ed. by M. Tennberg, H. Hakovirta and L. Heininen. Papers from the Third Circumpolar Universities Cooperation Conference, Rovaniemi, 30 November – 3 December 1992. Rovaniemi: Arctic Centre, pp. 12–46. (The chapter is reprinted as Cerum Northern Studies Reprint No. 6.)
- Olsson, Mats-Olov (1994). *Energy Efficiency and Social Organization in the Russian Part of the Barents Region*. Project proposal. Umeå: Cerum, Umeå University.

Energy Efficiency and Social Organization in the Russian Part of the Barents Region

Project participants: Mats-Olov Olsson, Cerum, Umeå University; Torgny Mossing, Dept. of Environmental Health, Umeå University; Jan Åke Dellenbrant, Dept. of Political Science, Umeå University.

Project management: Ulf Wiberg, Cerum, Umeå University

Principal funding: Centre for Environmental Research (CMF), Umeå

Approx. duration: May 1994–1996 (part time)

Publications:

Andreev, Oleg A.; Mats-Olov Olsson; Andrey I. Vinogradov (1996): “Privatization of Municipal Property in the City of Murmansk,” *Polar Geography and Geology*, Vol. 19, No. 2, April-June 1995 (pp. 88–106) (The chapter is reprinted as Cerum Northern Studies Reprint No. 12.)

Comment: Since CMF only allocated a fraction of the money asked for in the application the project was refocused to partly fund (together with the FRN) a pilot study conducted by Mats-Olov Olsson at Cerum in collaboration with the Forestry Project at IIASA, Laxenburg, Austria. The purpose of the pilot study was to investigate the prerequisites for a larger project dealing with impacts of institutions on the development of the (regional) Russian forest sector. (See below!)

Three Book Projects

Ulf Wiberg, who was at this time the director of Cerum, participated in three book projects in the period 1994–1996.

1. The East-West Interface in the European North

Project participants: Margareta Dahlström, NORUT Social Science Research, Tromsø, Heikki Eskelinen, Karelian Institute, University of Joensuu, and Ulf Wiberg, Cerum, Umeå University.

Project management: Margareta Dahlström, NORUT Social Science Research, Tromsø.

Principal funding: Joint Committee of the Nordic Social Science Research Council (NOS-S).

Approx. duration: 1994–1995.

Publications:

Dahlström, Margareta, Heikki Eskelinen and Ulf Wiberg, eds. (1995). *The East-West Interface in the European North*, Nordisk Samhällsgeografisk Tidskrift (155 pp.).

With contributions by Elisa Haapanen, Kimmo Katajala, and Jukka Oksa, Karelian Institute, University of Joensuu; Petri Kinnunen, Sociology, Faculty of Social Sciences, University of Lapland, Rovaniemi; Geir B. Hønneland and Margrethe Aanesen, NORUT Social Science Research, Tromsø; Olli Saastamoinen, Forest Economics, Faculty of Forestry, University of Joensuu; Bo Svensson, Dept. of Political Science, Umeå University.

2. Transnational Border Collaboration

Project participants: Hallgeir Aalbu and Even Høydahl, Nordland Research Institute, Bodø, Heikki Jussila, The Research Institute of Northern Finland, University of Oulu, and Ulf Wiberg, Cerum, Umeå University.

Project management: Hallgeir Aalbu Nordland Research Institute, Bodø

Principal funding: NordREFO, Stockholm.

Approx. duration: 1995

Publications:

Aalbu, Hallgeir, Even Høydahl, Heikki Jussila and Ulf Wiberg (1995). *Å velge sine naboer. Barentsregionen som utenrikspolitisk og regionalpolitisk prosjekt*. NordREFO 1995:4.

3. Cooperation in the European Circumpolar North

Project participants: Jyrki Käkönen, Tampere Peace Research Institute, University of Tampere. (Who else apart from the contributing authors???)

Project management: Jyrki Käkönen, Tampere Peace Research Institute, University of Tampere.

Principal funding: Tampere Peace Research Institute, University of Tampere.

Approx. duration: 1995–1996.

Publications:

Käkönen, Jyrki, ed. (1996). *Dreaming of the Barents Region; Interpreting Cooperation in the Euro-Arctic Rim*. Research Report No. 73. Tampere: Tampere Peace Research Institute, University of Tampere (306 pp.).

With contributions by Jørgen Ole Bærenholdt, Dept. of Geography and International Development Studies, Roskilde University; Sanjay Chaturverdi, Inst. of Geopolitics, Punjab University. Robert G. Darst, Center for International Affairs, Harvard University; Lassi Heininen, Arctic Center, University of Lapland; Elina Helander, Nordic Sámi Institute, Kautokeino; Olli-Pekka Jalonen and Jyrki Käkönen, Tampere Peace Research Institute, University of Tampere; Håken R. Nilsson, Norwegian Institute for Arctic Studies; Ulf Wiberg, Centre for Regional Science (Cerum), Umeå University.

Nuclear Waste on the Kola Peninsula – A Pilot Study

Project participants: Boris Segerståhl, IIASA, Laxenburg, Austria; Ronny Bergman, FOI, Umeå; Alexander Baklanov, INEP, Kola Science Centre, Apatity

Project management: Boris Segerståhl, IIASA, Laxenburg, Austria. (The project was initiated by Mats-Olov Olsson, Cerum, Umeå University.)

Principal funding: FRN, Stockholm and IIASA, Laxenburg, Austria.

Approx. duration: 1995–1997

Conferences: A public hearing and a seminar for researchers on “radioactive sources on the Kola Peninsula” and “social aspects on the problems related to nuclear sources in north-west Russia” was organized by Cerum on May 29–30, 1996. Later the same year (on November 23–25) a conference was arranged at Umeå University on “Social Dimensions of Nuclear Security; The Case of the Barents Euro-Arctic and the Baltic Regions.” The conference was organized and funded by Cerum and IIASA in collaboration with the Peace and Conflict Study Group, Umeå University, the Thule Institute, Oulu University, the Swedish Council for Planning and Coordination of Research (FRN), Stockholm, and the association Swedish Scientists and Engineers Against Nuclear Weapons – SSEANW. The purpose of the conference was to discuss possibilities for future collaboration after the finalization of the pilot study.

Publications of the IIASA based pilot study:

Amosov, P.V., A. Baklanov, S.I. Mazukhina (1995). “Estimation of Potential Risk for the Population from Possible Accident at the Kola Nuclear Power Plant.” *Proceedings of the International conference on Environmental Radioactivity in the Arctic*, Oslo, Norway, 21-25 August.

Baklanov, A, O. Rigina, E. Klyuchnikova, L. Nazarenko (1995). “GIS-application for Analysis of Risk of Radioactive Contamination,” *Proceedings of the International conference on Environmental Radioactivity in the Arctic*, Oslo, Norway, 21–25 August, pp. 369–373.

Baklanov, A. (1995). “Radiation Risk Objects at the Northern-West Russia and Estimation of Radiation Consequences after Hypothetical Accidents.” *Proceedings of the International*

Conference "Probabilistic Safety Assessment Methodology and Applications (PSA'95)," Volume 1, Seoul, Korea: Korea Atomic Energy Research Institute, pp. 532–536.

Baklanov, A., R. Bergman, B. Segerstahl, L. Thaning (1996). Assessment of Risk of Airborne Radioactive Contamination from Nuclear Units in North-West Russia. In: *2000 Then What? Proceedings of the Thirteenth International Clean Air and Environment Conference, 22-25 September, 1996*, ed. by A. Smith. Adelaide, Australia: CASANZ, pp. 127–133.

Bergman, R., A. Baklanov, B. Segerstahl (1996). "Integrated Regional Risk Assessment: The Case of Radioactive Contamination on the Kola Peninsula," In: *Risk in a Modern Society: Proceedings of the 1996 Annual Meeting of the Society for Risk Analysis - Europe, 3-5 June*, University of Surrey, UK, pp. 221–224.

Baklanov, A., Bergman, R., Segerstahl, B. (1996). *Radioactive Sources in the Kola Region: Actual and Potential Radiological Consequences for Man*. Final Report of the Kola Assessment Study of the RAD Project, Laxenburg, Austria: IIASA.

Euro-Arctic Curtains Book Project

Project participants: Ulf Wiberg, Cerum, Umeå University; Jan Åke Dellenbrant, Dept. of Political Science, Umeå University;

Project management: Ulf Wiberg, Cerum, Umeå University.

Principal funding: Cerum, Umeå University

Approx. duration: 1996–1997

Publications:

Dellenbrant, Jan Åke and Ulf Wiberg, eds. (1997). *Euro-Arctic Curtains*. Cerum Northern Studies. Umeå: Cerum, Umeå University (207 pp.).

With contributions by Natalya Gutsol, International Studies Centre, Kola Science Centre, Apatity; Jörgen Björklund, Dept. of Economic History, Umeå University; Peter Bröms, Johan Eriksson, and Bo Svensson, Dept. of Political Science, Umeå University; Margareta Attius Sohlman, Dept. of Religious Studies, Umeå University; Hallgeir Aalbu, Nordland Research Institute, Bodø.

The Institutional Embedding of the Russian Forest Sector – A Pilot Study

Project participants: Mats-Olov Olsson, Cerum, Umeå; Jan Granåsen, Dept. of Statistics, Umeå University; Bengt Lundquist, Dept. of Statistics, Umeå University, Lars Carlsson, IES, Luleå University of Technology.

Project management: Uno Zackrisson, Dept. of Statistics, Umeå University and Mats-Olov Olsson, Cerum, Umeå University.

Project funding: FRN, Stockholm.

Approx. duration: 1996–1997

Publications:

Jan Granåsen, Sten Nilsson, Uno Zackrisson (1997). *Russian Forest Sector – Human Resources*. IIASA Interim Report (IR-97-008). Laxenburg, Austria: International Institute for Applied Systems Analysis, March.

Bengt Lundquist, Sten Nilsson, Uno Zackrisson (1997). *Russian Forest Sector – Welfare Indicators*. IIASA Interim Report (IR-97-029). Laxenburg, Austria: International Institute for Applied Systems Analysis, June.

Carlsson, Lars (1997). “Prerequisites for the Evolution of Markets. An Institutional Analysis of the Russian Forest Sector.” In: *Dialogue on Sustainable Development of the Russian Forest Sector – Volume I* ed. by Sten Nilsson. IIASA Interim Report (IR-97-009). Laxenburg, Austria: International Institute for Applied Systems Analysis, April.

Comment: This pilot study subsequently led to a substudy in the *Forestry Project* at the International Institute for Applied Systems Analysis (IIASA) called “Institutions and the Emergence of Markets – Transition in the Russian Forest Sector” conducted in the years 1997–2001 by Mats-Olov Olsson, Cerum, Umeå University, and Lars Carlsson and Nils-Gustav Lundgren, IES, Luleå University of Technology. (A list of publications from the IIASA project can be obtained from the Internet at <http://www.didaktekon.se/mats/ii-publ.htm>).

Risk and Nuclear Waste – Nuclear Problems, Risk Perceptions of and Societal Responses to Nuclear Waste in the Barents Region

Project participants: Ronny Bergman, Christoffer Lundström, Lennart Thaning, FOI, Umeå; Gösta Weissglas and Fred Hedkvist, Dept. of Human Geography, Umeå University; Alexander Baklanov, FOI, Umeå and Cerum, Umeå University; Peder Axensten, Cerum, Umeå University; Malin Gunnarsson, Dept. of Political Science, Umeå University; Marie-Louise Hallström, Swedish Ministry of Foreign Affairs, Stockholm.

Project collaboration: Scientists from University of Alaska, University of North Dakota, University of Washington-Bothell, Kola Science Centre, Apatity; St. Petersburg Institute of Radiation Hygiene, St. Petersburg; Norwegian Radiation Protection Authority, Oslo; Murmansk Regional Committee of State Statistics, Murmansk; Scott Polar Research Institute, Univ. of Cambridge took part in the project (see list of publications below).

Project management: Ronny Bergman, FOI, Umeå, Gösta Weissglas, Dept. of Human Geography and Cerum, Umeå University and Lars Westin, Cerum, Umeå University.

Principal funding: Swedish Agency for Civil Emergency Planning (ÖCB).

Approx. duration: 1997–2002

Publications:

(Most of the publications listed are available for downloading from Cerum’s website at the address given on page 1 of this document to Cerum’s Northern Studies Publications.)

Working Papers:

Hallström, Marie-Louise (1999) *Risk and Nuclear Waste. Nuclear Problems, Risk Perceptions of, and Societal Responses to, Nuclear Waste in the Barents Region*, Northern Studies Working Paper, No. 15:1999. Umeå: Cerum, Umeå University.

- Axensten, Peder (2001). *Modelling and Visualizing Short Term Impact of a Nuclear Accident on Transportation Flows*. Northern Studies Working Paper, No. 16:2001. Umeå: Cerum, Umeå University.
- Hedkvist, Fred (2001). *Great Expectations. Russian Attitudes to the Barents Region Co-operation*. Northern Studies Working Paper, No. 17:2001. Umeå: Cerum, Umeå University.
- Tønnesen, Arnfinn (2001). *Perception of Nuclear Risk at the Kola Peninsula*. Northern Studies Working Paper, No. No.18:2001. Umeå: Cerum, Umeå University.
- Namjatov, Aleksey, Dmitry Matishov, and JoLynn Carroll (2001). *Modern Level of Radioactivity Contamination and Risk Assessment in the Coastal Waters of the Barents Sea*. Northern Studies Working Paper, No. 19:2001. Umeå: Cerum, Umeå University.
- Arkhanguelskaia, Guenrietta V. and Irina A. Zykova (2001). *Social Scientific Nuclear Waste Risk Assessment in the Barents Region*. Northern Studies Working Paper, No. 20:2001. Umeå: Cerum, Umeå University.
- Naumov, Andrey, Pavel Amossov, Alexander Baklanov, Sergey Morozov, Alexander Mahura, Vsevolod Koshkin and Yuri Federenko (2001). *Assessment of Potential Risk for Kola's Population from Radiological Impact of Accident on Spent Nuclear Fuel Facilities*. Northern Studies Working Paper, No. 21:2001. Umeå: Cerum, Umeå University.
- Lundström, Christoffer (2001). *Simulering av radioaktiv beläggning vid utsläpp på Kola-halvön*. Northern Studies Working Paper, No. 22:2001. Umeå: Cerum, Umeå University.
- Baklanov, Alexander, Ronny Bergman, Christoffer Lundström and Lennart Thaning (2001). *Modelling of Episodes of Atmospheric Transport and Deposition from Hypothetical Nuclear Accidents on the Kola Peninsula*. Northern Studies Working Paper, No. 23:2001. Umeå: Cerum, Umeå University.
- Mahura, Alexander, Robert Andres, and Daniel Jaffe (2001). *Atmospheric Transport Patterns from the Kola Nuclear Reactors*. Northern Studies Working Paper, No. 24:2001. Umeå: Cerum, Umeå University.
- Hedkvist, Fred and Gösta Weissglas (2001). *Regionalisation in North-Western Europe. Spatial Planning or Building a Frame for Development Co-operation. The Case of the Barents Region*. Northern Studies Working Paper, No. 25:2001. Umeå: Cerum, Umeå University.

Books:

- Axensten, Peder and Gösta Weissglas, eds. (2000). *Nuclear Risks, Environmental, and Development Co-operation in the North of Europe*. Umeå: Cerum, Umeå University (239 pp.).
- Axensten, Peder, ed. (2002). *Risk and Nuclear Waste; Nuclear Problems, Risk Perceptions of and Societal Responses to Nuclear Waste in the Barents Region* (tentative title). Cerum, Umeå University (book manuscript, 116 pp.).

Visiting researchers programme mainly funded by the Swedish Institute, Stockholm

From the Institute of Economic Problems (IEP), Kola Science Centre, Apatity:

Natalya Kazantseva (9 months, February – October 1993), Larissa Riabova (3 months, fall 1996), Vladimir Didyk (6 months, fall 1996)

BARENTS-L; a Mailing List for People Engaged in Barents Issues

The mailing list was set up by Mats-Olov Olsson in 1994. The list was actually started already in 1993 as a forum for discussion among a group of researchers based at Umeå University. Since 1994, the membership of the list has steadily grown and today the list has around 150 subscribers mainly from the Nordic countries, Russia, and the U.S.A.

Project management: Mats-Olov Olsson (list owner), Cerum, Umeå University.

Principal funding: No funding (apart from the cost of running the Listserv program covered by Cerum).

Approx. duration: 1993–present.

Comment: To subscribe to the BARENTS-L mailing list, please send an email to:

<Mats-Olov.Olsson@cerum.umu.se>

supplying your name and affiliation and indicate your interest in “Barents issues.”