

Monica Tennberg *Editor*

# Governing the Uncertain

Adaptation and Climate  
in Russia and Finland

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ISBN 978-94-007-3842-3 e-ISBN 978-94-007-3843-0

DOI 10.1007/978-94-007-3843-0

Springer Dordrecht Heidelberg London New York

Library of Congress Control Number: 2012933156

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# Preface

This book is one of the many products of a collaborative pan-Arctic research project titled “Community adaptation and vulnerability in Arctic regions” (CAVIAR). The first discussions on establishing such collaboration started in the mid-2000s as Nordic preparations for the International Polar Year (IPY 2007–2008) intensified. Credit for starting the collaborative process and seeing it through to completion goes to its parents: Grete Hovelsrud from Norway, Barry Smit from Canada, Carina Keskitalo from Sweden and Monica Tennberg from Finland. The IPY project resulted the publication in 2010 of “Community Adaptation and Vulnerability in Arctic Regions” (Hovelsrud & Smit, eds.), a volume exploring current and future sensitivities, adaptive capacities and vulnerabilities in numerous cases studies across the Arctic region.

The Finnish CAVIAR project was funded by the Academy of Finland (2007–2009). In addition to contributing chapters on flood prevention in Northern Finland and the Russian Arctic to the CAVIAR publication, the project researchers, based in the Arctic Centre of University of Lapland, extended the scope of analysis to include governance of adaptation. The central idea in the case studies in the CAVIAR research is that local adaptation cannot be understood without taking into consideration broader economic, social, and political contexts of adaptation. We wanted to take a closer look at those contexts and our combination of expertise in political science and anthropology made such an endeavour possible. This book is the outcome of the ensuing multidisciplinary discussions and an effort to combine local, regional and national perspectives on adaptation governance.



# Acknowledgements

We would like to gratefully acknowledge the funding provided for this research by the Academy of Finland as well as the co-operation with our CAVIAR partners. With deep respect we also thank the residents of the Tatta District and the Hammastunturi-Kuttura *siida* for sharing their knowledge and providing tremendous support. Anna Stammer-Gossmann would like to express her particular gratitude to the Bopposov, Aiiantov, Rakhleev, Lopatin and Postnikov families. She also wishes to thank the administrative officials of Tatta, the local municipality of Ytyk Kyöl and the village of Chinnai for discussing flood management issues and providing her with archive materials. Terhi Vuojala-Magga would like to extend her special thanks to the members of the Hammastunturi co-operative, the members of the Magga family in the village of Kuttura, and her husband, Mauno Magga.

We also express our gratitude to Richard Foley for his help with the language checking of our contributions to the book.





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**Anna Stammer-Gossmann** is an anthropologist from the Sustainable Development research group at the Arctic Centre of the University of Lapland (Finland). Her main interests are post-socialist socio-cultural transformation, local community adaptation and vulnerability to social and environmental changes; the concept of the North in politics, economics, and culture; and indigenous and non-indigenous identities. She carried out research from 1995 to 2002 at the Seminar für Osteuropäische Geschichte of the University of Cologne, in 2003–2004 at the Scott Polar Institute of the University of Cambridge, and in 2009 at the Center for Northeast Asian Studies of Tohoku University (Japan). Her research sites have covered different parts of Fennoscandia (Finland (Lapland) and Northern Norway (Finnmark)), Northwest Russia (the Murmansk region and the Nenets Autonomous District), and the Russian Far East (the Republic of Sakha and the Kamchatka Peninsula). Dr. Stammer-Gossmann has conducted fieldwork in the Republic of Sakha (Yakutia) since 1995.

**Monica Tennberg** is a research professor at the Arctic Centre of the University of Lapland (Finland). Her background is in political science with a particular interest to international relations. She defended her doctoral dissertation in 1998 on the development of relations between states and indigenous peoples during the establishment of the Arctic Council. The research drew on Michel Foucault's ideas about knowledge and power and their application to the theories of international regimes in international environmental co-operation. She has continued to study international environmental co-operation in the Arctic, most recently focusing on Arctic climate politics and the performance of international environmental co-operation in Northwest Russia. Dr. Tennberg and her research team participated in a pan-Arctic research project on community adaptation and vulnerability to climate change in Arctic regions (CAVIAR), funded by the Academy of Finland (2007–2009).

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# Abbreviations

ACIA	Arctic Climate Impact Assessment
BEAC	Barents Euro-Arctic Council
CCS	Comprehensive climate strategy for the sustainable development of the Arctic regions of Russia in the circumstances of changing climate
EMERCOM	The ministry of Russian Federation for civil defense, emergencies and elimination of consequences of natural disasters
ELY	Centre for economic development, transport and environment, Finland
EU	European Union
FICCA	Finnish climate change adaptation research
FIGARE	Finnish global change research program
FINADAPT	Assessing the adaptive capacity of the Finnish environment and society under a changing climate
FINSKEN	Developing consistent global change scenarios for Finland
GRP	Gross regional product
ICLEI	International council for local environmental initiatives, since 2003 local governments for sustainability
IPCC	Intergovernmental panel on climate change
ISTO	Climate change adaptation research programme
KGB	Soviet secret police
MAF	Ministry of forestry and agriculture
MAVERIC	Map-based assessment of vulnerability to climate change
MMM	Finnish ministry of agriculture and forestry
RHA	Reindeer herders association
RKTL	Finnish game and fisheries research institute
ROSHYDROMET	Federal service for hydrometeorology and environmental monitoring, Russia

UNFCCC	United Nations Framework Convention on climate change
SILMU	Finnish research programme on climate change
UNDP	United Nations Development Programme
VACCIA	Vulnerability assessment of ecosystem services for climate change impacts and adaptation

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