

The Natural and Societal Challenges of the Northern Sea Route

A Reference Work

Edited by Willy Østreng



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Natural And Societal Challenges Of The Northern Sea Route

Uttam Kumar Sinha, Jo Inge Bekkevold



Natural And Societal Challenges Of The Northern Sea Route:

The Natural and Societal Challenges of the Northern Sea Route Willy Østreng, 2013-04-17 Yohei Sasakawa The Northern Sea Route is the shortest shipping route connecting the Far East and Europe However the route has been practically inaccessible to commercial vessels due to the harsh natural conditions in the area which make navigation possible for only a small part of the year and then only with an icebreaker leading the way Opening the Northern Sea Route would greatly facilitate international shipping making two routes a northbound one through the NSR and a southbound one through Suez available throughout all seasons The Northern Sea Route would also help to boost economic development including the exploitation of natural resources in Russian regions along the coast of the Arctic Ocean Thanks to international cooperation we have been able to set up and successfully conclude a special project to investigate the possibilities of developing the Northern Sea Route as a commercial route while protecting the environment wildlife and peoples of the Arctic Ocean region This represents a highly significant step in terms of future global development

From Northeast Passage to Northern Sea Route, 2022-09-12 The notion of a waterway north of Eurasia conceived in the first half of the sixteenth century remained only a dream for centuries due to ice unmapped coastlines and a lack of geographical knowledge This volume is the first comprehensive scholarly account in English of the slow but steady exploration and commercial exploitation of the Siberian coastal waters and it proves that this was a truly international endeavour However in the end the Northern Sea Route as a through traverse route came to be used primarily by the Soviet Union for which it became a crucial vehicle for the geopolitical and economic integration of its vast territories As an international trade route the Northern Sea Route is only today about to win its way essentially as a result of global warming This being the case should we rejoice or despair

The 21st Century — Turning Point for the Northern Sea Route? C.L. Ragner, 2013-06-29 by Claes Lykke Ragner The Fridtjof Nansen Institute Marking the end of the International Northern Sea Route Programme INSROP the Northern Sea Route User Conference was organized in Oslo on 18 20 November 1999 The purpose of the Conference was two fold First it was the intention of the organizers to present to the potential users of the Northern Sea Route i e the international shipping industry and relevant cargo owners the results of six years of multidisciplinary INSROP research Second it was the organizers intention to create a unique meeting place for the different Northern Sea Route stakeholders a forum where users the Russian NSR administrators the researchers and other interested parties could discuss the status and future of the route In these Conference Proceedings you will find the manuscripts of the speeches presented during the Conference The manuscripts can roughly be divided into three groups with widely different focuses On one hand you will find the representatives of shipping and other commercial interests focusing on the NSR's potential for profit in the short term and on the shortcomings of the route On the other hand you will find representatives of different levels of Russian authorities presenting the possibilities offered by the route and emphasizing Russia's long experience in using and administering it In

between these two groups stand the researchers presenting a multi faceted and hopefully balanced picture of the NSR and its possibilities vs **Science Without Boundaries** Willy Østreng,2010 Science without Boundaries discusses the many issues involved in going beyond disciplinary research practices in science politics and society and addresses the complexities of their interface Governments and politicians are increasingly calling upon the scientific community to deal with global challenges such as climate change poverty international governance peace making et cetera These are calls for interdisciplinary research calls to deal with the interaction of parts in complex systems The book addresses questions like these Does interdisciplinary research fit into the overall disciplinary organization of the sciences Does interdisciplinary research meet the high scientific standards of the research community How does the science community adopt to changing circumstances How responsive is the science community to social and political needs To what extent do governments intervene to influence science What pattern of interaction exists between politics society and research Polar research is used to show how politics may intermingle with science to safeguard national interests in times of dramatic international change

Globalizing Geographies: Perspectives from Eurasia Ms A Sengupta,Ms S Chatterjee,2014-12-15 This volume examines the Eurasian engagement with geographies of globalisation through an understanding of the intersection of space and place in Eurasia Eurasian encounters with globalisation in terms of shifting spheres in politics economics and culture levels of integration and the intricate patterns of roads and routes It also takes note of challenges encountered by social groups and communities in the face of globalising tendencies The role of emerging alternatives within the region and community partnerships in Eurasia has also been addressed Written by Eurasian scholars and others working on the region it takes note of the formal and informal linkages between local communities and the larger global arena of which they are a part The Eurasian context and the changing contours of Eurasia s globalised space have been addressed in this book The book would be of value to scholars and practitioners engaged in policy debates and area studies *The Challenges of the Northern Sea Route* International Northern Sea Route Programme,Willy Østreng,Fridtjof Nansen-stiftelsen på Polhøgda,1999

International Energy Policy, the Arctic and the Law of the Sea Myron Nordquist,John Norton Moore,Alexander Skaridov,2005-04-01 The economic health of the global economy is directly tied to international energy policies and none are more important than those of Russia which is now the world s largest petroleum export nation At the same time oil and gas are finite resources and new sources of supply must be found It is certain that the Arctic will be one of the areas of greatest interest Wherever the energy resource originates the law of the sea regime will be critical in the movement from source to market Thus this book on International Energy Policy the Arctic and the Law of the Sea is especially timely The content is based on presentations made in St Petersburg Russia in June 2004 The perspectives of Russia China and the United States are discussed in depth by some of the world s foremost authorities The special significance of the Caspian Sea routes for export and the consequences of the opening of a Northwest Passage due to global warming are among the unique issues

covered in this volume **The Future of Ocean Regime-Building** Aldo Chircop, Theodore McDorman, Susan Rolston, 2009-02-23 One of the most creative innovations of the international diplomatic community in the 20th century was its invention of the international regime wrote Douglas M Johnston in his last major work published posthumously *The Historical Foundations of World Order The Tower and the Arena* Nijhoff 2008 While regimes often provide order and certainty and a consequent reduction in disputes and misunderstandings regimes are driven by specific concerns With diverse disciplinary backgrounds and perspectives the distinguished contributors to this tribute follow a long tradition of scholarly inquiry into the governance creation operation viability and maintenance of international regimes Their contributions on ocean and environmental regimes as diverse as fisheries ocean dumping maritime security seafarers rights or enhancement of marine environmental protection attest to the depth to which modern international law and the underlying international relations have been transformed into an international law of structured cooperation This book includes biographical and bibliographic notes on Douglas M Johnston *Russia's Arctic Strategies and the Future of the Far North* Marlene Laruelle, 2015-01-28 This book offers the first comprehensive examination of Russia's Arctic strategy ranging from climate change issues and territorial disputes to energy policy and domestic challenges As the receding polar ice increases the accessibility of the Arctic region rival powers have been manoeuvring for geopolitical and resource security Geographically Russia controls half of the Arctic coastline 40 percent of the land area beyond the Circumpolar North and three quarters of the Arctic population In total the sea and land surface area of the Russian Arctic is about 6 million square kilometres Economically as much as 20 percent of Russia's GDP and its total exports is generated north of the Arctic Circle In terms of resources about 95 percent of its gas 75 percent of its oil 96 percent of its platinum 90 percent of its nickel and cobalt and 60 percent of its copper reserves are found in Arctic and Sub Arctic regions Add to this the riches of the continental shelf seabed and waters ranging from rare earth minerals to fish stocks After a spike of aggressive rhetoric when Russia planted its flag in the Arctic seabed in 2007 Moscow has attempted to strengthen its position as a key factor in developing an international consensus concerning a region where its relative advantages are manifest despite its diminishing military technological and human capacities **Russia and the EU** Thomas Hoffmann, Andrey Makarychev, 2018-07-27 The annexation of Crimea in 2014 and Russia's support for military insurgency in eastern Ukraine undermined two decades of cooperation between Russia and the EU leaving both sides in a situation of reciprocal economic sanctions and political alienation What is left of previous positive experiences and mutually beneficial interactions between the two parties And what new communication practices and strategies might Russia and Europe use Previously coherent and institutionalized spaces of communication and dialogue between Moscow and Brussels have fragmented into relations that while certainly not cooperative are also not necessarily adversarial Exploring these spaces contributors consider how this indeterminacy makes cooperation problematic though not impossible and examine the shrunk yet still existent expanse of interaction between

Russia and the EU Analysing to what extent Russian foreign policy philosophy is compatible with European ideas of democracy and whether Russia might pragmatically profit from the liberal democratic order the volume also focuses on the practical implementation of these discourses and conceptualizations as policy instruments This book is an important resource for researchers in Russian and Soviet Politics Eastern European Politics and the policy politics and expansion of the European Union

Encyclopedia of the Arctic Mark Nuttall,2005-09-23 With detailed essays on the Arctic s environment wildlife climate history exploration resources economics politics indigenous cultures and languages conservation initiatives and more this Encyclopedia is the only major work and comprehensive reference on this vast complex changing and increasingly important part of the globe Including 305 maps This Encyclopedia is not only an interdisciplinary work of reference for all those involved in teaching or researching Arctic issues but a fascinating and comprehensive resource for residents of the Arctic and all those concerned with global environmental issues sustainability science and human interactions with the environment

Supply Chain Operations in the Arctic Antonina Tsvetkova,Konstantin Timoshenko,2023-11-22 The extant corpus of research on supply chain sustainability in the Arctic exhibits a conspicuous neglect of the social dimension rendering it the most underprivileged among the three pillars of sustainability A deep dive into the Arctic this edited volume endeavors to fill this opulent lacuna by placing the unjustly forsaken concept of social sustainability at the forefront of supply chain management SCM research By showcasing real life case studies of supply chain operations all in different industries and located in various Arctic regions this book delves into the intricate interplay between business interests political ambitions and social issues In response to the burgeoning demand for more in depth empirical studies within the SCM landscape it offers a compelling tapestry of experiences and candid views on the complexities of implementing socially sustainable and responsible policies in Arctic supply chains Featuring contributions by 26 esteemed scholars worldwide this collection proffers 13 thought provoking and insightful chapters arranged in a logical and coherent sequence that enables readers to follow a clear thread of argumentation With abundant theoretical insights and empirical data *Supply Chain Operations in the Arctic Implications for Social Sustainability* will appeal to a wide range of readers keeping a close eye on Arctic operations and sustainable issues It is a timely and essential resource for students and scholars of SCM and sustainability studies as well as businesses policymakers Indigenous Peoples and non governmental organizations seeking to promote socially responsible supply chain practices in the Arctic

Sustaining Russia's Arctic Cities Robert W. Orttung,2016-11-01 Urban areas in Arctic Russia are experiencing unprecedented social and ecological change This collection outlines the key challenges that city managers will face in navigating this shifting political economic social and environmental terrain In particular the volume examines how energy production drives a boom bust cycle in the Arctic economy explores how migrants from Muslim cultures are reshaping the social fabric of northern cities and provides a detailed analysis of climate change and its impact on urban and industrial infrastructure

Implementing the

Environmental Protection Regime for the Antarctic D. Vidas, 2012-12-06 When the Protocol on Environmental Protection to the Antarctic Treaty entered into force on 14 January 1998 a new phase commenced for the Antarctic Treaty System The parties to the Protocol are today confronting issues related to the implementation of a complex international environmental protection regime both in international and domestic contexts Several crucial implementation questions need to be solved in order to enhance and make possible the implementation of the Protocol What would be the consequences for the parties of a possible failure in resolving the pending implementation issues on what premises can the solutions be based and what then are the options available This book provides a systematic overview of the implementation issues in sections on jurisdiction control and enforcement in the Antarctic Part I institutional support to the implementation of the Protocol Part II normative support to the implementation of the Protocol an Antarctic liability regime Part III relationship with other international instruments and arrangements Part IV and through a series of selected case studies issues involved in domestic implementation of the Protocol Part V This is a book that will appeal to Antarctic specialists and to all those interested in environmental law and policy Shipping in Arctic Waters Willy Ostreng, Karl Magnus Eger, Brit Fløistad, Arnfinn

Jørgensen-Dahl, Lars Lothe, Morten Mejlænder-Larsen, Tor Wergeland, 2013-07-01 The most comprehensive and richest study undertaken so far of the factors and conditions that will determine the scope and range of shipping and shipping activities in Arctic waters now and in the future Furthermore it is the first study comparing the three Arctic transportation corridors covering a variety of interacting and interdependent factors such as geopolitics military affairs global warming sea ice melting international economic trends resources competing modes of transportation environmental challenges logistics ocean law and regulations corporate governance jurisdictional matters and rights of indigenous peoples arctic cruise tourism and marine insurance **Modernisation in Russia since 1900** Markku Kangaspuro, Jeremy Smith, 2006-12-27

Modernisation has been a constant theme in Russian history at least since Peter the Great launched a series of initiatives aimed at closing the economic technical and cultural gap between Russia and the more advanced countries of Europe All of the leaders of the Soviet Union and post Soviet Russia have been intensely aware of this gap and have pursued a number of strategies some more successful than others in order to modernise the country But it would be wrong to view modernisation as a unilinear process which was the exclusive preserve of the state Modernisation has had profound effects on Russian society and the attitudes of different social groups have been crucial to the success and failure of modernisation This volume examines the broad theme of modernisation in late imperial Soviet and post Soviet Russia both through general overviews of particular topics and specific case studies of modernisation projects and their impact Modernisation is seen not just as an economic policy but as a cultural and social phenomenon reflected through such diverse themes as ideology welfare education gender relations transport political reform and the Internet The result is the most up to date and comprehensive survey of modernisation in Russia available which highlights both one of the perennial problems and the challenges and

prospects for contemporary Russia *Arctic* Uttam Kumar Sinha, Jo Inge Bekkevold, 2017-10-02 In May 2013 China India Japan Singapore and South Korea Asia 5 were given status as permanent observers in the Arctic Council It was a symbolic and significant moment in the history of Arctic affairs The list of stakeholders in the Arctic has now expanded to include both the Arctic littoral states and the five Asian states The drivers and policies of these stakeholders on the Arctic vary but research on climate change possible changes to the global energy and minerals markets adherence to international norms like the UNCLOS and geopolitical considerations are issues of concern This volume is based on the reviewed revised and updated versions of papers presented at the roundtable on The Geopolitics of the Arctic Commerce Governance and Policy hosted by the Institute for Defense Studies and Analyses IDSA in New Delhi in September 2013 in joint co operation with the Fridtjof Nansen Institute FNI the Norwegian Institute for Defence Studies IFS and Peace Research Institute Oslo PRIO We hope that this book with some compelling perspectives on a number of challenging issues will help engage the policy community to identify and explore opportunities for international cooperation in the Arctic This book was originally published as a special issue of Strategic Analysis **Environmental Change and Globalization** Robin Leichenko, Karen O'Brien, 2008-09-25 This work explores the connections between two of the most transformative processes of the 21st century global environmental change and globalization It presents a conceptual framework for analyzing the interactions between these two processes **Arctic Governance: Volume 3** Geir Hønneland, Ida Folkestad Soltvedt, Svein Vigeland Rottem, 2019-12-04 The Polar North is known to be home to large gas and oil reserves and its position holds significant trading and military advantages yet the maritime boundaries of the region remain ill defined In the twenty first century the Arctic is undergoing profound change As the sea ice melts a result of accelerating climate change global governance has become vital In this the third of three volumes the latest research and analysis from the world s leading Arctic research body the Fridtjof Nansen Institute is brought together for the first time Arctic Governance Norway Russia and Asia investigates the foreign policy discourses of Arctic governance specifically as regarding international relations and competing interests between Norway Russia and various Asian states **The Global Cryosphere** Roger G. Barry, Thian Yew Gan, 2022-05-05 Recent studies indicate that due to climate change the Earth is undergoing rapid changes in all cryospheric components including polar sea ice shrinkage mountain glacier recession thawing permafrost and diminishing snow cover This book provides a comprehensive summary of all components of the Earth s cryosphere reviewing their history physical and chemical characteristics geographical distributions and projected future states This new edition has been completely updated throughout and provides state of the art data from GlobSnow 2 CRYOSAT ICESAT and GRACE It includes a comprehensive summary of cryospheric changes in land ice permafrost freshwater ice sea ice and ice sheets It discusses the models developed to understand cryosphere processes and predict future changes including those based on remote sensing field campaigns and long term ground observations Boasting an extensive bibliography over 120 figures and end of chapter review

questions it is an ideal resource for students and researchers of the cryosphere

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