

2013 ARCTIC FRONTIERS



GEOPOLITICS AND MARINE PRODUCTION IN A CHANGING ARCTIC

TROMSØ NORWAY 20-25 JANUARY 2013

www.arcticfrontiers.com

Arctic
Frontiers

Invitation

The Arctic Frontiers conference is a central arena for the discussion of Arctic issues. Every year in January the conference brings together over 1000 participants from more than 20 countries. Representatives from science, industry, politics and society gather to share perspectives on opportunities and challenges in the High North.

The 7th Arctic Frontiers conference

«Geopolitics and Marine Production in a Changing Arctic» will address international relationships and security structures, against a background of expanding energy and mineral extraction, maritime traffic and harvesting of biological production.

Young Scientist Forum - Emerging Leaders

Every year Arctic Frontiers invites young and enthusiastic stakeholders to share their perspectives and innovative solutions with decision makers from business, academia and society. The Young Scientist Forum (YSF) is an integrated part of Arctic Frontiers, and facilitates networking and interdisciplinary discussions among early career scientists, young professionals and senior conference delegates. For YSF program updates, visit <http://ysf.arcticfrontiers.com/>

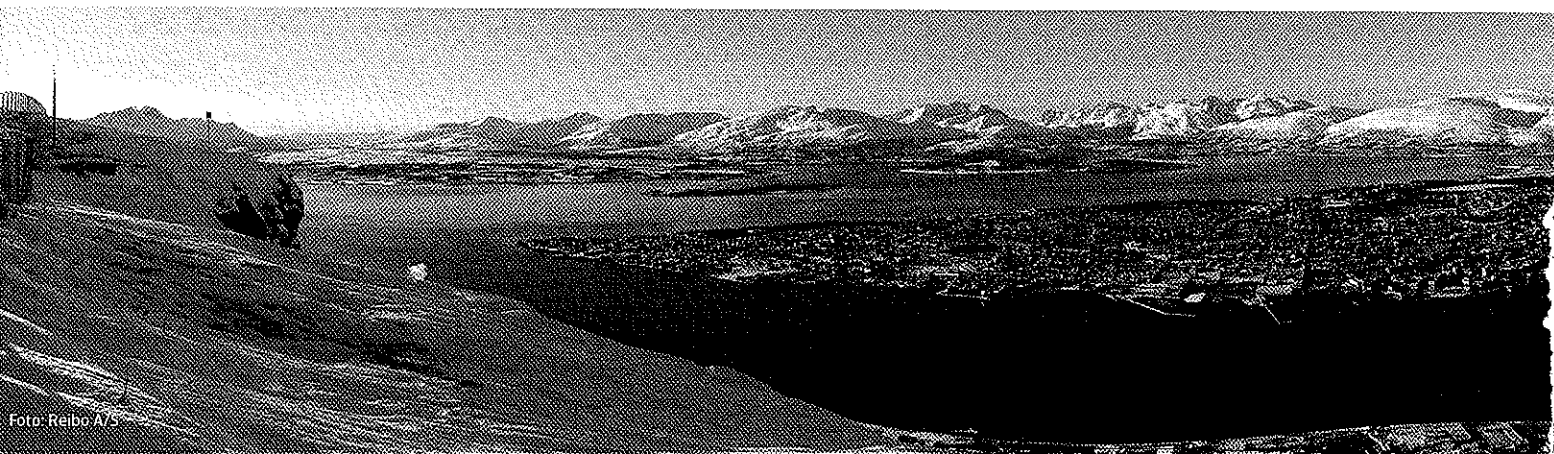
Arctic Gateway

Arctic Frontiers takes place in the Norwegian city of Tromsø, at 70° N, known as the "Arctic Gateway" and permanent home of the Arctic Council's secretariat. Throughout the conference week our evening program offers memorable social and cultural events ideal for networking and discovering the Arctic culture.

We look forward to seeing you in Tromsø.

Register now and stay updated via
www.arcticfrontiers.com

Welcome to
the seventh Arctic
Frontiers conference
20 – 25 January
2013 in Tromsø,
Norway



The Conference - Geopolitics and Marine Production in a Changing Arctic

POLICY SECTION 20 – 22 January 2013

New opportunities create new challenges. This principle is central to how we must explore, develop and manage the Arctic. Today the Arctic is an emerging energy and mineral province, with the extraction of natural resources projected to increase dramatically in the coming years. New industrial activities, a changing business community and demographic dynamics will alter the established social structures in several regions of the Arctic. Non-Arctic Asian and European states and the European Union, are increasingly focusing more attention on the changing Arctic. How will these new players alter the game?

The 7th Arctic Frontiers conference addresses the contemporary and emerging political issues for the changing Arctic. How do states in and outside the region prepare strategically for the new Arctic reality? How does the global security architecture impact on security in the Arctic? How important is Arctic oil and gas production for global demand and energy security of various states? How will traditional businesses interact with new industry, and if and how will profits from industrial activities benefit the people living in the High North.

Change is the keyword which best describes the future of the Arctic. A warming Arctic with less ice creates economic opportunities but also presents new challenges for Arctic stakeholders. Join us at this year's Arctic Frontiers Conference to engage with the experts and be ready to meet the challenges that lie ahead for the Arctic.

Confirmed speakers for the policy section are:

- Norwegian Prime Minister, JENS STOLTENBERG
- Ambassador for the People's Republic of China to Norway, H.E. ZHAO JUN
- Ambassador for the Republic of Korea to Norway, H.E. BYONG HYUN LEE
- Rear Admiral and Chief of Norwegian Joint Headquarters, HAAKON BRUUN-HANSEN
- President of ConocoPhillips Europe and the President of Norwegian Oil and Gas Association, STEINAR VAAGE
- President and CEO of Statoil ASA, HELGE LUND
- Director General of the European Space Agency, JEAN-JACQUES DORDAIN
- Professor at the Department of Public and International Law, University of Oslo, GEIR ULFSTEIN

Further prominent speakers are invited.

SCIENCE SECTION 23 – 25 January 2013

The science section consists of three parallel parts, each with keynote speakers, oral and poster presentations.

PART I: Geopolitics in a Changing Arctic

The issues of security, energy and interstate relations are increasing in importance in the Arctic. The overall aim of this part of the conference is to identify and discuss the conditions that are necessary for continued stability in light of new developments in the region. Part I consists of the following three sessions:

SESSION 1 - Arctic security in a global context

SESSION 2 - The Arctic in the global energy picture

SESSION 3 - New stakeholders in the Arctic

PART II: Marine Harvesting in the Arctic

Scientific evidence is growing that indicates Arctic marine ecosystems are changing in response to increasing air and water temperatures and reduction in sea ice cover. Arctic species are experiencing increased competition from invasive temperate species. A changing Arctic ecology will challenge traditional harvest activities in the Arctic, while also providing new opportunities. Part II consists of the following two sessions:

SESSION 1 - Introduced species, immigration and fate of resident species

SESSION 2 - Prospective harvest of marine biological resources in the Arctic

PART III: Arctic Marine Productivity

Arctic ecosystems are presently undergoing rapid climate-induced changes and these changes are expected to amplify in the coming decades. At the same time, human activities are increasing and this trend is expected to continue. The combination of changes in climate and human activities will alter the future structure and functioning of Arctic ecosystems. Part III focuses on ecosystem productivity and is structured around two themes:

THEME 1 - The patterns and processes controlling and structuring marine productivity today

THEME 2 - How these processes scale to the pan-Arctic domain and may change in a future Arctic

