

# ARCTIC FRONTIERS 2016

Welcome to the 10th Arctic Frontiers conference  
24 – 29 January 2016 in Tromsø, Norway

Arctic Frontiers is an international arena for discussions on sustainable development in the Arctic. Arctic Frontiers gathers representatives from academia, government and business. The conference takes place in the fourth week of January in the Norwegian city of Tromsø, also known as the Gateway to the Arctic. The conference brings together over 1400 participants from about 35 countries. Representatives from academia, the business society, governments and NGO's gather to share perspectives on opportunities and challenges in the High North.

## THE 10<sup>TH</sup> ARCTIC FRONTIERS CONFERENCE:

**Arctic Frontiers is built on three pillars: policy, business and science. The 2016 conference will explore the theme Industry and Environment.**

## CONFIRMED SPEAKERS:

**Børge Brende**, Minister of Foreign Affairs, Norway  
**Tord Lien**, Minister of Oil and Energy, Norway  
**Tine Sundtoft**, Minister of Climate and Environment, Norway  
**Elisabeth Aspaker**, Minister of Fisheries, Norway  
**Admiral Robert J. Papp Jr.**, US Special Representative for the Arctic  
**Ellen Stofan**, Chief Scientist NASA, USA  
**Tara Sweeney**, Chair of Arctic Economic Council  
**Ole Petter Ottersen**, Rector University of Oslo, Norway  
**Philip Steinberg**, Professor, Department of Geography, Durham University, UK  
**Dalee Sambo Dorough**, Professor, Department of Political Science, University of Alaska Anchorage, USA  
**Karl Eirik Schjøtt-Pedersen**, Director General, The Norwegian Oil and Gas Association  
**Kristin Skogen Lund**, Director General, The Confederation of Norwegian Enterprise  
**Elisabeth Tørstad**, CEO Oil & Gas, DNV GL, Norway  
**Fredrik Major**, CBDO Sevan Marine, Norway  
**Hege Kverneland**, Corporate Vice President Technology Officer, National Oilwell Varco, Norway  
**Liv Monica Stubholt**, Partner, Lawfirm Selmer, Norway

## REGISTRATION

[www.arcticfrontiers.com](http://www.arcticfrontiers.com)

Deadline for early bird registration is December 11.



After two months of Polar Twilight  
the sun returns to Tromsø on January 21st.

Photo: Morten Renne



# INDUSTRY AND ENVIRONMENT

## ARCTIC FRONTIERS POLICY

25 – 26 January

The Arctic is a global crossroad between commercial and environmental interests. The region holds substantial natural resources and many actors are investigating ways to utilise these for economic gain. Others view the Arctic as a particularly pristine and vulnerable environment and highlight the need to limit industrial development.

Arctic Frontiers 2016 will discuss the balance between resource utilisation and preservation, and between industrial and environmental interests in the Arctic. Envisioning a well-planned, well-governed, and sustainable development in the Arctic, how can improved Arctic stewardship help balance environmental concerns with industrial expansion? How can the environmental footprints from future business activities be minimised? And last, but not least, what role will existing and emerging technologies play in making industrial development profitable and environmentally friendly, securing a sustainable growth scenario for Arctic communities?

## ARCTIC FRONTIERS BUSINESS

26 – 27 January

Arctic Frontiers Business explores the drivers for business development in the North. In 2016 the focus will be on technology and technology transfer in seafood and offshore industries. In addition to a conference design that will facilitate networking, the program includes a prepared matchmaking session, keynote presentations, armchair discussions and breakout sessions for more in depth discussions.

## ARCTIC FRONTIERS SCIENCE

27 – 29 January

The science section of Arctic Frontiers – Industry and Environment – consists of three parallel parts, each with keynote speakers, oral and poster presentations:

### I. Environmental footprints

It is critical to gain a comprehensive understanding of the

potential environmental footprints of increased human activity in the Arctic. We will explore how multiple and often interrelated stressors can lead to widespread and complex environmental change. In particular, stressors such as climate change, long-range transported pollutants, land-use change, and shifts in regional economic activity can have strong impacts on ecosystem function as well as the delivery of ecosystem services.

### II. Arctic stewardship

Stewardship is an essential element of long-term viable people-environment relationships, reflecting the fact that humans and the rest of nature are mutually interdependent. We will address the two interconnected goals of stewardship: ecosystem resilience and human wellbeing. A stewardship approach can direct us towards a more sustainable future by emphasising human responsibilities with respect to the environment, by focusing on solutions rather than problems, by creating opportunities for public dialogue and social learning, and by promoting integrated governance.

### III. Technology needs

The activity level of a range of industries and the use of the northern seaways is increasing in the Arctic. We will explore the technology needs for Arctic operations to solve challenges such as ice, low pressure systems and storms, long distances, darkness. Northern operations take place in a vulnerable environment making the tolerance levels versus failures, subsequent oil spills etc. close to zero. There is a need for improved knowledge and technology to make sure that these operations are within safe and sustainable limits.

## ARCTIC FRONTIERS YOUNG

Every year Arctic Frontiers invites young and enthusiastic stakeholders to share their perspectives and innovative solutions with decision makers from business, academia and society. Our young programs are carried out in cooperation with a number of partners facilitating a range of educational programs, PhD-courses, networking and interdisciplinary discussions among early career scientists and young professionals from business and governmental institutions. and senior conference delegates. The forum offers activities for early career scientists working on issues related to the Arctic.

