



# Ecosystem Studies of Subarctic and Arctic Seas (ESSAS)

2017 Open Science Meeting (OSM)

Tromsø, Norway, June 11-15, 2017

*Moving in, out, and across Arctic and Subarctic  
Marine Ecosystems: Shifting Boundaries of  
Water, Ice, Flora, Fauna, People and Institutions*

# Program

## Workshops

- Paleo-Ecology of Subarctic and Arctic Seas (PESAS) Planning Workshop
- Climate change impacts on nearshore fish habitats in the Arctic
- Using natural analogues to investigate the effects of climate change and ocean acidification on northern ecosystems
- Arctic and sub-Arctic climate change impacts: a transdisciplinary perspective

## Sessions

- Paleo-Ecology
- Advection and mixing and their ecosystem impacts
- Timing/phenology and match-mismatch: are they critical issues?
- Shifting habitats, persistent hot spots, and the distribution of benthos, plankton, fish, seabirds and marine mammals - observations, models, mechanisms and effects
- Subarctic and Arctic Marine Ecosystems under Climate Change
- Multiple Stressors
- Ocean Acidification
- Science, Policy and Management
- General Open Session

# IASC support for ESSAS OSM

**187 participants from 17 countries:**

- Norway (89)
- US (37)
- Japan (18)
- Canada (10)
- Australia, Denmark, Faroe Islands, Finland, France, Germany, Greenland, Iceland, Ireland, South Korea, Poland, Russia, UK

**IASC provided full or partial support for five Early Career Scientists:**

- Ryan Rykaczewski (USA)
- Marta Gluchowska (Poland)
- Sofia Ferreira (UK/Denmark)
- Cathleen Vestfals (USA)
- Natalia Monferrer (France)

All ECSs presented in one of the session and participated in workshops

# Some anticipated effects of increasing CO<sub>2</sub> in high-latitude regions

