

Second International Science and Policy Conference on
Implementation of the Ecosystem Approach to Management in the Arctic:

**Integrating information at different scales
in the framework of EA implementation**

25-27 JUNE 2019 - BERGEN - NORWAY

CONFERENCE PROGRAM



TUESDAY 25 JUNE

OPENING AND KEYNOTE PRESENTATIONS

CHAIR: ELISABETH LOGERWELL (USA, NOAA)

09:00 - 10:30

Geir Huse (Norway, Scientific Director, Institute of Marine Research)
Conference Opening and Welcome

Anne-Christine Brusendorff (Denmark, ICES)
“Science for sustainable development in Areas Beyond National Jurisdiction – how can ICES support evidence needs in the Central Arctic Ocean?”

Mayor Harry K. Brower, Jr. (USA, Utqiagvik)
“Implementation as a Part of the Ecosystem and Through Sustaining an Inuit Way of Life”

Hein Rune Skjoldal (Norway, Institute of Marine Research)
“Scale Integration and EA Implementation: Goals of the 2nd EA Conference”

10:30 - 10:55: Coffee

SESSION 1. INTEGRATED ECOSYSTEM ASSESSMENT

CHAIR: LIS L. JØRGENSEN (NORWAY, INSTITUTE OF MARINE RESEARCH)

11.00 - 12.30

Elena Eriksen (Norway, Institute of Marine Research)
“IEA in practice – Experiences from the Working Group on the Integrated Assessments of the Barents Sea (WGIBAR)”

Per Arneberg (Norway, Institute of Marine Research)
“IEA in practice – Experiences from the Working Group on the Integrated Assessments of the Norwegian Sea (WGINOR)”

Andrea Niemi (Canada, Fisheries and Oceans)
“Off-Shore Integrated Ecosystem Assessments in the Canadian Sector of the Beaufort Sea LME”

Tom Christensen (Denmark, Aarhus University)
“The Circumpolar Biodiversity Monitoring Program – Monitoring and reporting changes in Arctic Biodiversity and ecosystems. Status and next steps”

Discussion (15 min)

12:30 - 13:30: Lunch

SESSION 1. CONTINUED: INTEGRATED ECOSYSTEM ASSESSMENT

13.30 - 15.00

Sue Moore (USA, NOAA, retired; University of Washington)
“Including underwater sound in Arctic and Subarctic IEAs: an ecosystem component to link ecological, social, and economic factors in support of holistic decision-making”

Judith Rosellon-Druker (USA, University of Alaska Fairbanks)
“Development of socio-ecological conceptual models as the basis for an IEA framework in Southeast Alaska”

Fern Wickson (Norway, North Atlantic Marine Mammal Commission)
“Integrating the Scales of Interest in Different Knowledge Systems for Ecosystem Management: An opportunity to share experiences and collectively build best practices”

Per Arneberg (Norway, Institute of Marine Research)
“A system for assessing the state of ecosystems based on some principles from IPCC”

Lisa Eisner (USA, NOAA Fisheries)
“Arctic Integrated Ecosystem Research in the Chukchi and North Bering Seas”

Discussion (15 min)

15.00 - 15.30: Coffee

SESSION 1. CONTINUED: INTEGRATED ECOSYSTEM ASSESSMENT

15.30 - 17.00

Bérengère Husson (Norway, Institute of Marine Research)
“What scale(s) to study an ecosystem? A case study in the Barents Sea”

Sue Moore (USA, NOAA, retired; University of Washington)
“The Distributed Biological Observatory: A Change Detection Array in the Pacific Arctic”

Hein Rune Skjoldal (Norway, Institute of Marine Research)
“Description of Arctic species and Arctic LMEs – integrating information on species and habitats”

Phillip Wallhead (Norway, Norwegian Institute for Water Research) - *Presented by Wenting Chen.*
“Urchin harvesting and culling in northern Norway under ocean acidification and warming”

Discussion (30 minutes)

18:00 – 21:00 Reception (at IMR Pynten by the waterfront in Bergen)

WEDNESDAY 26 JUNE

SESSION 2. MPAs AND OTHER SPECIAL AREAS
CHAIR: TOM CHRISTENSEN (DENMARK, AARHUS UNIVERSITY)
09.00 - 10.30

- Lauren Wenzel** (USA, NOAA Fisheries)
“Marine Protected Areas and Networks as a Component of Ecosystem-Based Management”
- Boris Solovyev** (Russia, Russian Academy of Sciences)
“From principles to practice: systematic conservation planning approach in the Arctic”
- Martine Giangioppi** (Canada, World Wildlife Fund)
“Marine Ecological Conservation in the Canadian Eastern Arctic (MECCEA): A project to identify Priority Areas for Conservation (PACs).”
- Martin Sommerkorn** (Norway, World Wildlife Fund)
“The Pan-Arctic Marine Protected Area Network initiative and its contribution to implementing the Ecosystem Approach to Management in the Arctic”
- Boris Solovyev** (Russia, Russian Academy of Sciences)
“Systematic conservation planning for ecosystem based approach to management: case study from Pechora Sea”
- Elizabeth Logerwell** (USA, NOAA Fisheries)
“Long-Term Benthos Monitoring network for identifying vulnerable areas in Arctic benthic ecosystems”

10:30 - 11:00: Coffee

SESSION 2. MPAs AND OTHER SPECIAL AREAS
11.00 - 12.30

- Ole Anders Turi** (Norway, Sámediggi/Sámi Parliament)
“What challenges could Ecosystem Approach solve at Saami resource use level”
- Lis L. Jørgensen** (Norway, Institute of Marine Research)
“Vulnerable areas and Ecosystem-based fishery management in the Barents Sea”
- Wenting Chen** (Norway, Norwegian Institute for Water Research)
“Marine ecosystem accounting to support coastal and marine governance”
- Gerold Janssen** (Germany, Leibniz Institute of Ecological Urban and Regional Development)
“Implementing an Ecosystem-based approach in MSP”
- Discussion** (15 minutes)

12:30 - 13:30: Lunch

**SESSION 3. VOICES FROM THE NORTH –
A CONVERSATION ABOUT PEOPLE, NATURE, AND SUSTAINABILITY**
CHAIR: GUNN-BRITT RETTER (NORWAY, SÁMI COUNCIL)
13.30 - 17.00

- Fred Phillips and Mellisa Heflin** (USA, Bering Sea Elders Group)
“The ocean is our garden”
- Nicole Kanayurak** (USA, Utqiagvik, North Slope Borough Department of Wildlife Management)
“Inuit have an ‘Ecological Clock’”
- Gerry Inglangasuk** (Canada, Inuvialuit Member, Fisheries Joint Management Committee) and
Alan Kennedy (Canada, Chairman, Fisheries Joint Management Committee)
“Co-management as a Framework for Ecosystem Management of Arctic Resources: Experience from the Inuvialuit Region of Canada”
- Andrea Niemi and Elizabeth Hiltz** (Canada, Fisheries and Oceans)
“An Inclusive Approach to Public Outreach: A Case Study from Canada’s Arctic” with video
“Guardians of Tariug”

14:30-16:00

Breakout groups will meet to discuss the Ecosystem Approach from both science and Local Traditional and Indigenous Knowledge perspectives. We envision that during these informal gatherings we will discuss ideas and challenges; share experiences; talk about goals and values; and discuss topics that arise during the Conference.

Coffee break: 15.00 - 15.15

16:00 - 17:00

Reports from the breakout groups

19:30: Conference dinner (at venue)

THURSDAY 27 JUNE

SESSION 4. NATIONAL EA IMPLEMENTATION

CHAIR: MARTIN SOMMERKORN (NORWAY, WWF ARCTIC PROGRAMME)

09.00 - 10.30

Cecilie von Quillfeldt (Norway, Norwegian Polar Institute)
“Integrated Management Plans for Norwegian Sea Areas”

Daniel Van Vliet (Crown Indigenous Relations and Northern Affairs Canada)
“Strategic Environmental Assessment Processes in Canada’s Arctic”

Elizabeth Logerwell (USA, NOAA Fisheries)
“NOAA’s Integrated Ecosystem Assessment (IEA) Program”

Boris Solovyev (Russia, WWF Russia/Russian Academy of Sciences)
“EA Implementation in Russian Arctic”

Anders Mosbech (Denmark, Aarhus University)
“On the road to EA in Greenland: The use of spatial biodiversity data to identify important areas”

Discussion (15 minutes)

10:30 - 11:00: Coffee

SESSION 4. CONTINUED: NATIONAL EA IMPLEMENTATION

11.00 - 12.30

Bjarne Lyberth (Greenland, The Association of Fishers & Hunters in Greenland)
“International and national wildlife management from a local perspective (fishers and hunters in Greenland)”

Mandy Karnauskas (USA, NOAA Fisheries)
“Identifying relevant spatial scales and priorities for ecosystem-based management of the Gulf of Mexico snapper-grouper fishery complex”

Daniel Taukie (Canada, Nunavut Tunngavik Inc.)
“Inuit-led Marine Monitoring in Nunavut, Canada”

Gunn-Britt Retter (Norway, Saami Council)
“The Arctic Environmental Impact Assessment – a Model for Meaningful Engagement of Indigenous Peoples”

Discussion (30 minutes)

12:30 - 13:30: Lunch

SESSION 5. CENTRAL ARCTIC OCEAN

CHAIR: LIANNE POSTMA (CANADA, FISHERIES AND OCEANS) TBC

13.30 - 15.00

Alf Håkon Hoel (Norway, University of Tromsø; presented by Hein Rune Skjoldal)
“Organizing science for the central Arctic Ocean”

Hein Rune Skjoldal (Norway, Institute of Marine Research)
“WGICA Integrated Ecosystem Assessment report for the CAO”

Vasily Spiridonov (Russia, Russian Academy of Sciences)
“Indicators of vulnerable benthic biotopes in the Arctic Ocean”

Are Olsen (Bjerknes Centre for Climate Research/Geophysical Institute, University of Bergen)
Presented by Øyvind Paasche.
“An Outline of the Synoptic Arctic Survey”

Discussion (30 minutes)

15:00 - 15:30: Coffee

CONFERENCE CONCLUSION

15.30 - 17.00

Conference Summary and Conclusion (Hein Rune Skjoldal, Libby Logerwell and Lis L. Jørgensen)