

Ecosystem Approach to Management (EA)

Agenda item 8 at PAME II-2018,
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EA Work Plan 2017-2019

- Prepare **guidelines addressing EA/EBM implementation** in Arctic (marine) ecosystems (per Iqaluit declaration) following the EA Framework element
- Hold **6th EA workshop** in late autumn 2017/spring 2018 scoping guidelines for implementing EA in the Arctic, with a focus on Integrated Ecosystem Assessment.
- Hold **2nd International EA Conference** 2018 on Integrated Ecosystem Assessment in the Arctic, Marine Protected Areas in Implementation of EA, and Review status of implementation of EA and EA framework elements.
- Continue emphasis on development of **Integrated Ecosystem Assessment**. Report from ICES/PICES/PAME **WGICA**.

Four EA documents

- Agenda 8.1 and 8.4: **EA Progress Report** and proposed 2019-2021 work plan items
- Agenda 8.2: PAME Joint **EA Guidelines draft** 24 Sep 2018
- Agenda 8.3: **Interim Report** of the ICES/PICES/PAME Working Group for Integrated Ecosystem Assessment of the Central Arctic Ocean (**WGICA**)
- Agenda 8.4: Draft **Prospectus EA Conference** 2019

2nd International EA Conference

- Kiruna 2013 – EBM recommendation:
- Institute **periodic Arctic Council reviews of EBM in the Arctic** to exchange information on integrated assessment and management experiences, including highlighting examples from Arctic States.
- 1st EA Conference – Fairbanks, Alaska, August 2016
- Conference report
- 2017 EA Status Report (Status of EA Implementation in the Arctic)

2nd International EA Conference

- Bergen? May-June 2019?
- The Ecosystem Approach to Management of Arctic Marine Ecosystems: **Integrating information at different scales** in the framework of EA implementation
- **Scale integration**
 - Ecology – species and habitats at different scales
 - Humans – activities and management structures also at different scales (family – local community – sub-national – national – international)

2nd International EA Conference

- Integrated Ecosystem Assessment – IEA
- Review progress with focus on scale issues
- Ecological objectives
- National experiences
- Report on national developments in implementing EA
- Next steps:
 - Planning/steering group
 - Announcement

ICES/PICES/PAME WGICA

- Working Group on Integrated Ecosystem Assessment of the Central Arctic Ocean
- 3rd meeting in St. John's, Newfoundland, Canada



IEA report for the CAO

- **Integrated Ecosystem Assessment of the Central Arctic Ocean: Ecosystem Description and Vulnerability Characterization**
- Ecosystem description with emphasis on spatial aspects and trophic (food-web) connections
- Oceanography, plankton, ice biota, benthos, fish, birds and marine mammals
- Vulnerability
 - general aspects (concepts, terminology, methodology)
 - Initial considerations of vulnerability to human activities – climate, pollution, fisheries,
 - **Shipping**
- 1 October, end of this year.

Work plan 2019-2021

- 2nd EA conference
- 7th EA workshop (Values and valuation – element No. 5)
- Continue review of IEA work, including WGICA
- Ecological objectives (element No. 3)

Deliverables spring 2019 (end of Finnish chairmanship)

- EA Guidelines
- EA progress report
- Report 'Integrated Ecosystem Assessment of the central Arctic Ocean'