Joint Ecosystem Approach Expert Group (EA-EG) EA Framework

Libby Logerwell, incoming Co-Chair USA Hein Rune Skjoldal, Norway, Co-chair

> 6th EA Workshop Seattle, WA January 9, 2018

Purpose of this presentation

- Present the Arctic Council EA Framework
- Identify areas of common interest in implementing EA across the working groups served by the Joint EA EG;
 PAME, CAFF, AMAP, SDWG



Ecosystem-Based Management in the Arctic



Report submitted to Senior Arctic Officials by the Expert Group on Ecosystem-Based Management May 2013





























Six elements of the Ecosystem Approach (JOINT EA-EG)

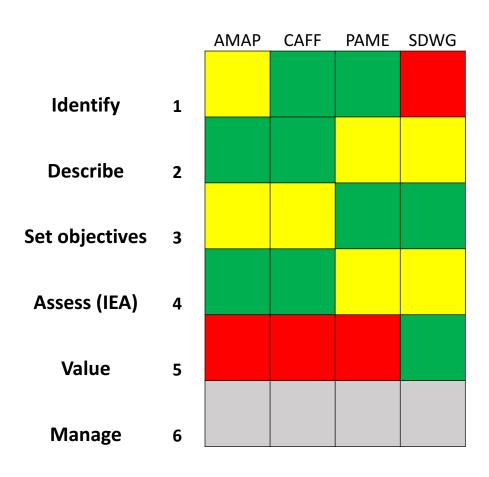
- 1. Identify the ecosystem
- 2. Describe the ecosystem
- 3. Set ecological objectives
- 4. Assess the ecosystem IEA
- 5. Value the ecosystem
- 6. Manage human activities

Arctic States



Role of Arctic Council WGs in EBM Implementation: Six Steps

Implementing the ecosystem approach to management In the Arctic – PAME EA EG Brochure



Status of Implementing EA in the AC

Identify the ecosystem LMEs adopted by AC in Kiruna 2013.

Describe the ecosystem CAFF and AMAP Projects (ABA and SWIPA). How to coordinate biological & physical observations?

Set ecological objectives Definitions vary among Arctic States

Assess the ecosystem IEA Common understanding of IEA remains to be developed (ICES has expertise)

Value the ecosystem

Who does valuation, SDWG?

Manage human activities | Arctic states' responsibility

Joint EA-EG Work Plan 2017-2019

- a) Develop guidelines addressing the six elements of EA implementation in Arctic (marine) ecosystems
- b) 6th EA workshop on Integrated Ecosystem Assessment, Seattle, January 2018.
- c) 2nd International EA Conference on Status Implementing EA in the Arctic, Fall 2018
- d) PAME/ICES/PICES Working Group on Integrated Ecosystem Assessment in the Central Arctic Ocean (WGICA)



WGICA ICES/PICES/PAME

Working Group on Integrated Ecosystem Assessment for the Central Arctic Ocean

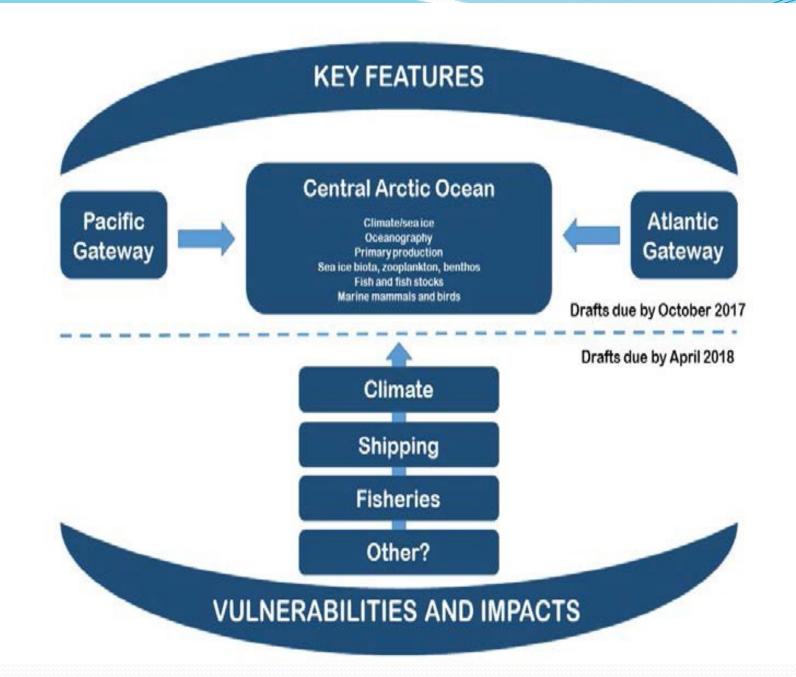
Co-chairs:

John Bengtson, NMFS, NOAA, Seattle, USA Hein Rune Skjoldal, IMR, Bergen, Norway Sei-ichi Saitoh, Hokkaido University, Japan

WGICA 2017

- 2nd meeting, at NOAA in Seattle, 19-21 April
- 23 persons from four countries (Canada, Japan, Norway, United States of America)
- Report available
 (http://www.ices.dk/community/groups/Pages/WGICA.aspx)
- Next meeting 2018 location TBD





Core elements of the CAO IEA

- Ecosystem description with emphasis on key characteristics of the CAO – Annex 2 (Short version)
- Level of primary production literature review (Annex 3)
- Fish in the CAO (FiSCAO)





Six elements of the Ecosystem Approach (JOINT EA-EG)

- 1. Identify the ecosystem
- 2. Describe the ecosystem Roles for
- 3. Set ecological objectives CAFF/CBMP
- 4. Assess the ecosystem IEA
- 5. Value the ecosystem
- 6. Manage human activities States

CAFF/CBMP bears direct (1,2,4) or partial responsibility for implementing four of the six elements of EA

Monthly Sea Ice Concentration Trends October

