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- 2. What do we mean by EA?
- 3. Progress on EA implementation in the Arctic
 - National U.S.
 - International
- 4. Possibilities: What are Next Steps & Opportunities

Why an Ecosystem Approach?

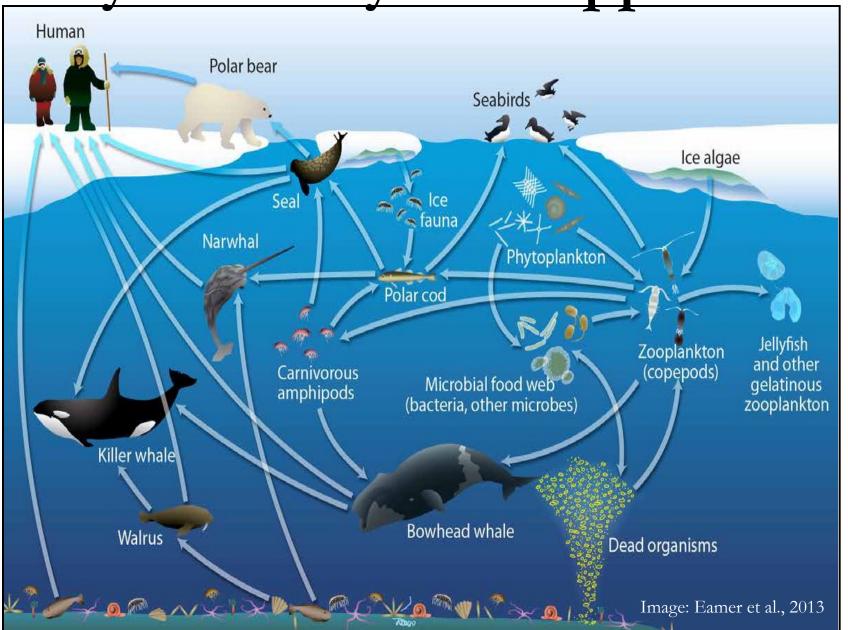






Image: NOAA

Image: U.S. Coast Guard/Sara Francis





Ecosystem Approach

Arctic Council Definition

The ecosystem approach is the comprehensive integrated management of human activities based on the best available scientific and traditional knowledge about the ecosystem and its dynamics, in order to identify and take action on influences which are critical to the health of ecosystems, thereby achieving sustainable use of ecosystem goods and services and maintenance of ecosystem integrity.



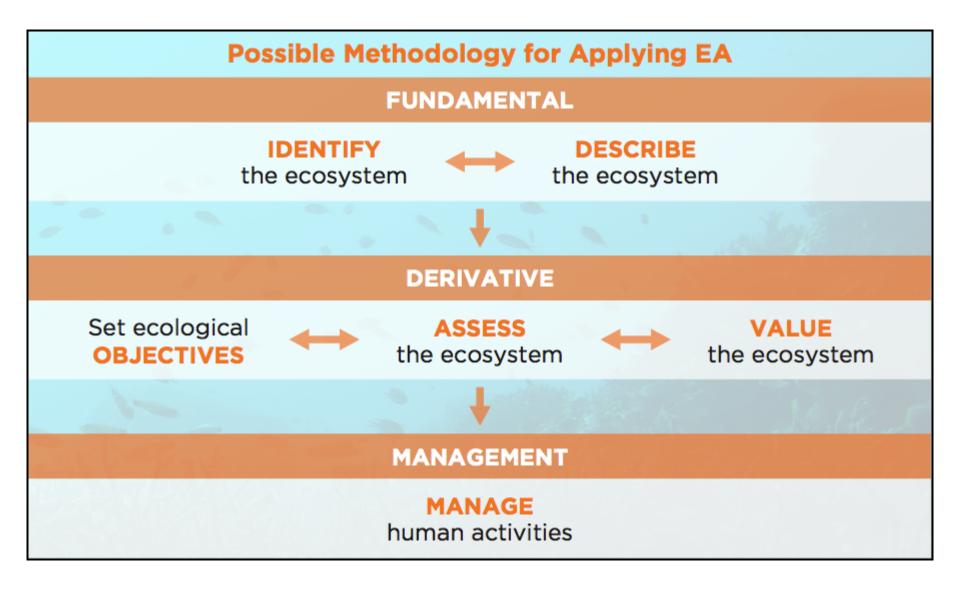


Image: PAME

Ecological Quality Objectives Ecological Quality Objectives





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Arctic Boundary as defined by the Arctic Research and Policy Act (ARPA)

All United States and foreign territory north of the Arctic Circle and all United States territory north and west of the boundary formed by the Porcupine, Yukon, and Kuskokwim Rivers; all contiguous seas, including the Arctic Ocean and the Beaufort, Bering and Chukchi Seas; and the Aleutian chain.¹



Acknowledgement: Funding for this map was provided by the National Science Foundation through the Arctic Research Mapping Application (armap.org) and Contract

US National Ocean Policy



Image: Whitehouse.gov

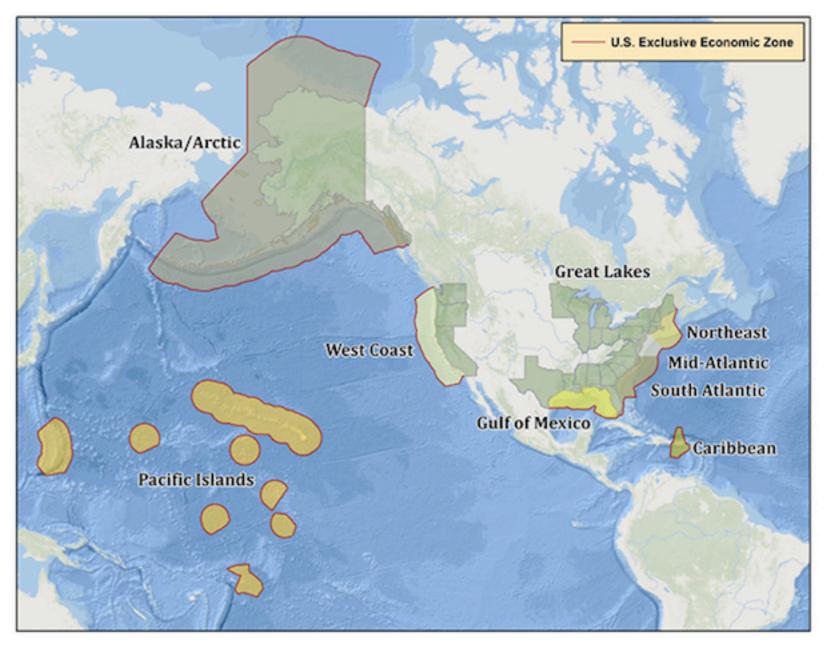


Image: Data.gov

Photo: Chris Miller, ASMI.



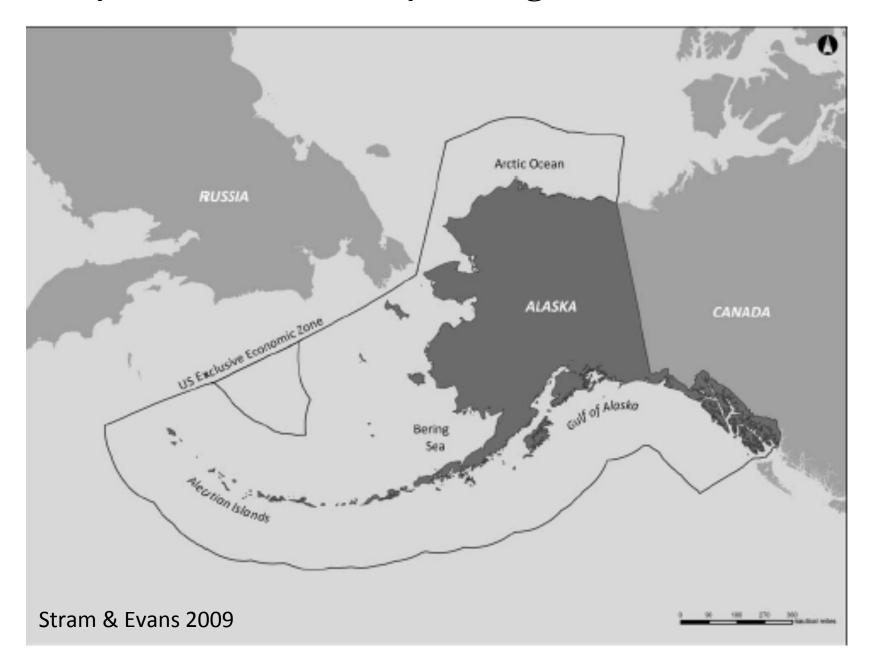




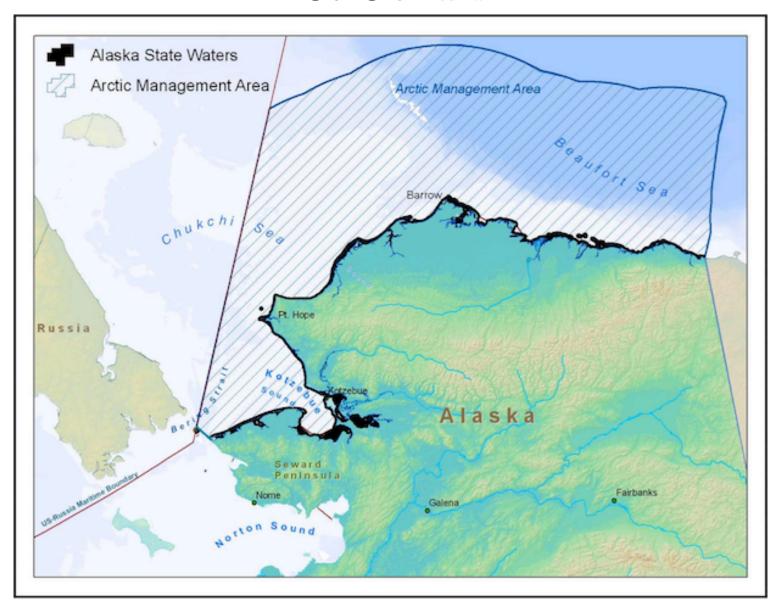
Image: NOAA



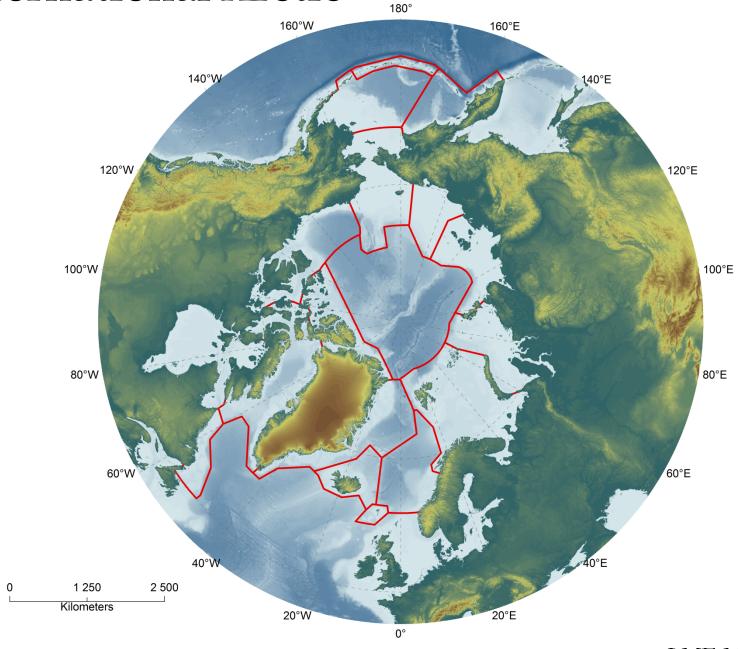
Ecosystem Based Fishery Management in N. Pacific



Arctic FMP



International Arctic



LME Map: PAME

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Alf Häkon Hoel (ed

Best Practices in Ecosystem-base Oceans Management in the Arcti

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The Ecosystem Approach to Management of Arctic Marine Ecosystems



It means integrated management of human activities to achieve sustainability

The ecosystem approach to management has been described as a 'strategy for the integrated management of land, water and living resources that promotes conservation and sustainable use in an equitable way' (UN Convention on

The ecosystem approach to management, denoted EBM by th Arctic Council, is defined as:

The comprehensive integrated management of human activities based on the best available scientific knowledge about the ecosystem and its dynamics, in order to identify and take action on influences which are critical to the health of marine ecosystems; thereby achieving sustainable use of ecosystem goods and services and maintenance of ecosystem integrity.

Integrated management of natural systems, including humans, is a concept known by many different names such as integrated ocean management, ecosystem-based management (EBM), or most simply, the ecosystem approach to management (EA). EBM and EA are synonymous within the Arctic Council Internationally the term EA is widely used, for

It requires focus on the state of the ecosystem

The EA to management, as an inclusive framework for balancing competing development interests to enable the sustainability of ecosystems, differs from the conventional single-sector and single-species management commonly applied in the past by requiring specific knowledge of the overall state of the prosveties.

The focus on understanding the state of the ecosystem has two sides to it. One side is to define what good or acceptable states of the ecosystem enable sustainability, along with a corresponding set of ecological objectives that can guide management decisions toward achieving and maintaining good or acceptable status. The other side is to assess or evaluate the state in order to determine how much it is influenced by

while related, are not the same from a practical point of view. For example, we can set objectives for those ecosystem companiests amenable to directed management actions such as commercially exploited or threatened species.

climate variability, while usceptible to the consequences of human activities, an end ammable to directed management actions, at least in the short term. Nonetheless understanding the state of the ecosystem in terms of as many physicial and biological components as can be measured is essential to achieve the goal of sustainability for the Actic ecosystems on which the sustainability of its economic and social systems

WORKSHOP REPOR

PAME, CAFF, AMAP, SDWG Ecosystem Approach to Management Wor

nodology and status of development of ec ality) objectives for Arctic Large Marine Eco

> Bergen - Norway 26-27th May 2015



ECOSYSTEM APPROACH PROGRESS REPORT

Joint Group of Experts on the Ecosystem Approach to Management

APRIL 2015



PAME-LED GROUP OF EXPERTS ON THE ECOSYSTEM APPROACH TO MANAGEMENT

TERMS OF REFERENCE AND WORKPLAN 2011 - 2013





PAME
Third Ecosystem Approach
to Management Workshop Report

Reykjavik, Iceland June 10 – 11, 2013





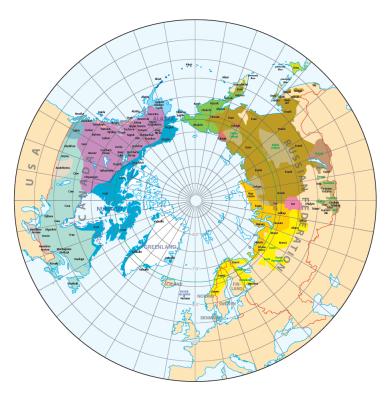


Image: Susan Humphris, Woods Hole Oceanographic Institution)

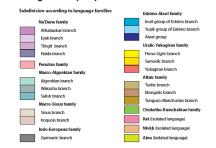








Indigenous peoples of the Arctic countries



. .

For the USA, only peoples in the State of Alaska are shown. For the Russian Federation, only peoples of the North, Siberia and Far East are shown.

Majority populations of independent states are not shown, not even when they form minorities in adjacent countries (e.g. Finns in Norway).

Areas show colours according to the original languages of the respective indigenous peoples, even if they do not speak these languages today.

Overlapping populations are not shown. The map does not claim to show

exact boundaries between the individual groups.

In the Russian Federation, indigenous peoples have a special status only when numbering less than 50,000. Names of larger indigenous peoples are written in green.





Opportunities: Important Marine Areas

