MPA Networks as Part of an Ecosystem Approach to Management

- Marine Protected Areas
- Other Conservation Measures
- Wider Seascape
- Ecosystem Approach to Management

MPA Network
- Industry guidelines
- Codes of practice
- Regulations not associated with spatial management
Area-based Management – MPA Framework

• Agreed concepts, principles, and road map for developing a pan-arctic MPA network, building on national efforts.

• Area-based tools are cross-cutting by definition, taking into account a range of pressures, uses, and values (PAME, CAFF).
The definition of the Pan-Arctic MPA Network

An ecologically representative and well-connected collection of individual marine protected areas and other effective area-based conservation measures in the Arctic that operate cooperatively, at various spatial scales, and with a range of protection levels, in order to achieve the long-term conservation of the marine environment with associated ecosystem services and cultural values more effectively and comprehensively than individual sites could alone.

This definition supports and aligns with the conservation target known as Aichi Target 11, adopted in 2010 by Parties to the Convention on Biological Diversity (CBD)

1) Stakeholder engagement and communication (part of the MEMA project).

2) Inventory and mapping of existing MPAs (PAME/CAFF)

3) MPA tools for Arctic states to demonstrate how different types of MPAs and other area-based conservation measures can be used to conserve categories of Arctic marine biodiversity and habitat (USA-led)
Inventory mapping of existing Arctic MPAs

• Joint effort by the PAME and CAFF and Secretariat

• **January-March 2016:** Prepare 1st draft summary status/trends report on marine protected areas in the Arctic.
  
  – The aim is a short and concise visual document directed towards policy and decision makers that indicate status and trends regarding marine protected areas in the circumpolar Arctic.

• **June –Aug 2016:** Release harmonized dataset and status/trends report.
Area-based Conservation ”Toolbox”

• Best practices study: Linking area-based conservation measures to Arctic marine biodiversity (USA lead).

• List of examples of area-based conservation measures and a description of how they are used to address pressures and threats to habitats and species.

• Two expert workshops planned:
  – 1st workshop, September 2016: Review draft list; consider approaches for mapping ecological connectivity (e.g. Arctic cod larvae)
  – 2nd workshop, November 2016: Consider effects of climate change on connectivity; discuss measures that protect marine biodiversity and connectivity; process to finalize toolbox.

• PAME is liaising with CAFF and cooperating on MPA activities and workshops.
Ecosystem Approach

• Created to support area-based management (LME/MPA/follow to EBM Expert Group)
• Joint expert group (AMAP, CAFF, PAME, SDWG) to develop tools to implement an ecosystem approach in support of area-based management.
To Note

• Convening of a joint PAME/CAFF/AMAP EA Conference
  23-25 August Fairbanks

• Continue the development of the report on "Status of Setting Ecological Objectives in the Arctic".

• Contribute to work on developing integrated ecosystem assessment for the central Arctic ocean with ICES.
Looking forward

• Picture of existing marine protection.
• Arctic marine biodiversity values, including connectivity.
• Toolbox of conservation measures, marine biodiversity categories.
• Technical methodologies for IEAs, ecological objectives.
Thank You

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