

PAME I-2020: Agenda item 4.2

PAME Project to develop two factsheets on Marine Protected Areas under change

Draft outline for Factsheet 1 on MPAs, Ecosystems, and Climate (6-8 pages)

I. Cover page (1 page)

II. Marine protected areas as a conservation tool (1 page)

- MPAs as a tool for ecosystem and biodiversity conservation
- Image: MPA map or other graphic(s), infographic
 - Possible source: PAME/CAFF update to indicator report
- Stats on current coverage and diversity of MPA types

III. Climate impacts on ecosystems, habitats, and species (2 pages)

- What is already happening? What could happen?
- Physical parameters (e.g., temp, ocean acidification, sea ice, currents)¹
 - Possible sources: AMAP, IPCC
 - Image: graphic of changing currents
- Vulnerability of ecosystems, habitats and species
- Changing communities (e.g., shifting species, Atlanticization, food webs)
- Culturally and economically important and/or iconic species
- Climate impacts to MPAs
 - Possible sources: Distributed Biological Observatory; CAFF
 - Image: Map with dots/text showing examples of impacts

IV. Impacts from expanding ocean uses due to climate change (1 page)

- What is already happening? What could happen?²
- List of expanding uses potential impacts (e.g., shipping, tourism, fishing, tourism)
- Potential impacts on ecosystems, biodiversity, and MPAs
 - Possible sources: CAFF products
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V. MPAs as tools for resilience (1 page)

- MPAs' role in supporting ecosystem resilience (e.g., blue carbon protection, reducing other impacts)

¹ The two factsheets will both have sections with climate-oriented contents. AMAP and PAME agree that the starting point for these sections should come directly from AMAP, CAFF, IPCC and/or the Arctic Report Card, citing exact language from their executive summaries to the extent possible. This approach will simplify the review needed and will avoid questions about introducing new findings compared to previously-approved assessments. The editorial team may make some edits to AMAP language for editorial/stylistic reasons. AMAP will review these sections for accuracy, completeness and appropriate context. The details of this review are found in the timeline section. The factsheets will not wear the AMAP logo, but the AMAP engagement will be acknowledged.

² This may be informed by the three AACA overview reports. See also footnote 1.