

CBMP COASTAL EXPERT MONITORING GROUP COASTAL CBMP IMPLEMENTATION PLAN

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Current Coastal Expert Monitoring Group Members

- Co-lead: Carl Markon (US)
- Co-lead: Donald McClennan (Canada)
- Pitseolalaq Moss-Davies (ICC)
- Carolina Behe (ICC)
- Susse Wegeberg (Kingdom of Denmark)
- Maria Pettersvik Arvnes (Norway)
- John Payne (US)
- Heidi Hadley (US)
- Tom Christensen (Kingdom of Denmark)
- Tom Barry (CAFF Secretariat)

Representatives from Russia and Iceland are still needed

No nominations from Sweden and Finland as they have no Arctic coastline



Coastal CBMP Objectives

- Develop a multi-disciplinary, multi-knowledge based, integrated, pan-Arctic, long-term biodiversity monitoring plan
 - Identify key components, scales, methodologies, timelines, structure, and partners
- Using both TK and science to identify—
 - A suite of coastal ecosystem indicators
 - Optimal sampling schemes for the selected attributes
 - Key abiotic parameters relevant to coastal biodiversity
 - Where possible, address current gaps in coverage (elemental, spatial, and temporal).



Coastal CBMP Plan



- The CBMP-Coastal Plan will
 - Describe a multi-scale framework to determine baseline conditions and evaluate changes of Arctic coastal ecosystems and biodiversity.
 - Provide methods and strategies for monitoring the geospatial and temporal range of site-based studies
 - Incorporate data-gathering through Traditional Knowledge (TK), scientific analyses, and other potential means, e.g. community-based monitoring
 - Build on standardized techniques that are feasible and already in use where possible
 - Suggest additional techniques where infrastructure and capacity exists
 - e.g., genetic analyses, tracking and telemetry systems.

Coastal CBMP – Geographic Extent

- Bounded, in part, by existing Marine and Terrestrial CBMPs
- Use of the CBMP marine coastal boundary but includes the Bering Strait to the northern coasts of the Aleutians
- Significant parts must be seasonally ice-free during parts of the year
- Biota/habitats controlled by coastal processes
 - Inter-tidal zones, the estuarine portions of deltas, and coastal wetlands periodically or regularly inundated by sea water
- Participating countries existing national definition/domain



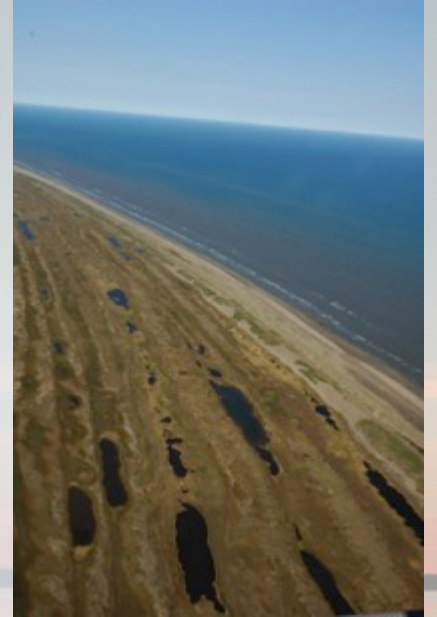
Coastal CBMP – Geographic Extent

- The CBMP terrestrial boundary to the high water mark including:
 - Areas affected by historic storm surges
 - Zones of eroding shorelines
 - Barrier islands and spits
 - Coastal lagoons and marine connected lakes
 - Coastal dunes affected by modern marine processes
 - Rock pools



Process

- Regularly scheduled CBMP Team calls and periodic in-person team meetings
- External Partner/Expert Workshops
- Presentations at conferences and symposia
- Partner Datacalls
 - Suitable projects that have been running for at least 10 years
 - Projects that are ongoing and sufficiently sustainable so that they will run in the long term
 - Shorter projects considered useful for methods development



Products

- Background Paper
 - Outlines the approach by which the Coastal Biodiversity Monitoring Plan will be created and the monitoring plan framework
 - Publication 2015
- Partner/Expert Workshop Summaries
- Implementation Plan
 - Describe the framework to be used
 - Outline the methods and strategies for monitoring
 - Report on how best to incorporate data-gathering philosophies

Timeline

