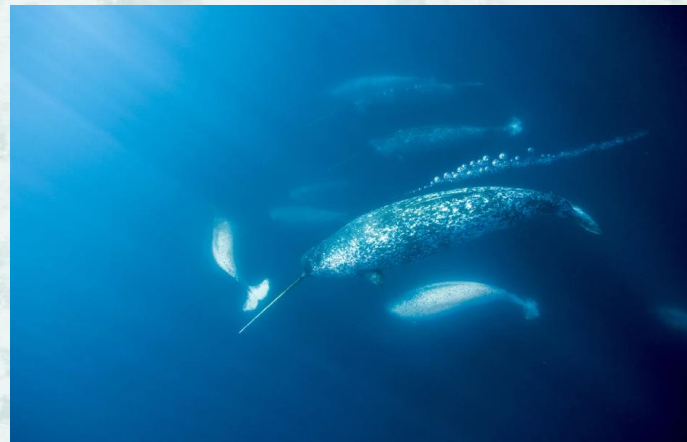


Identification of Synergies and Possible Cooperation Activities in Marine Regions UNECE, 16e May, 2023

Dr Jessica Nilsson
Swedish Agency for Marine and Water Management

jessica.nilsson@havochvatten.se





Ecosystem Approach to Management

1. *Integrated Environmental Assessment Central Arctic Ocean (ICES/PICES/PAME)*
2. *Central Arctic Ocean - Human Impacts (CAN/FIN/SE/USA/ICC/WWF)*



Marine Litter

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Shipping

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Marine Protected Areas

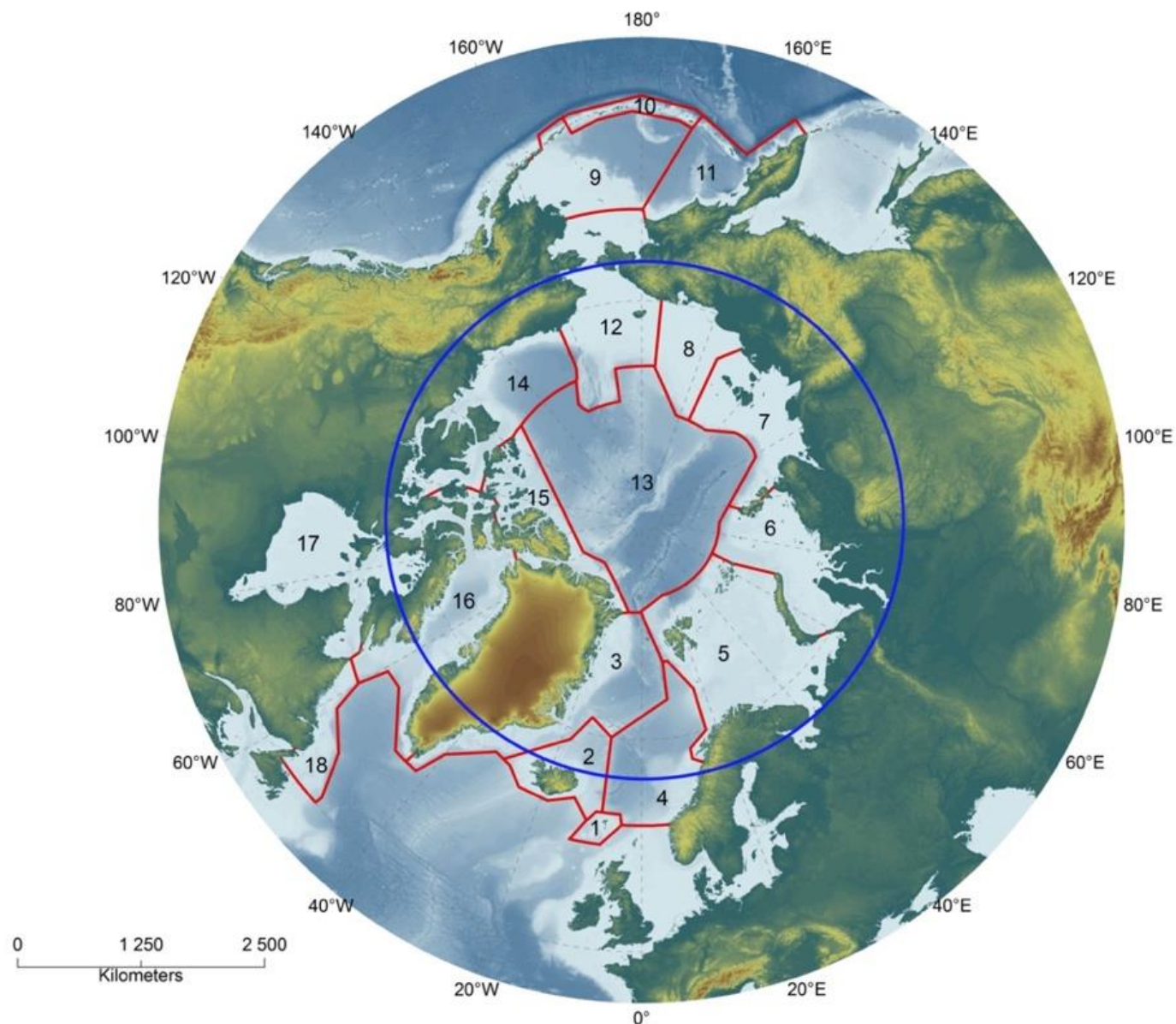
1. *Oceanographic connectivity , CAO (SE)*
2. *Connectivity information brief (FIN, SE, USA, ICC)*



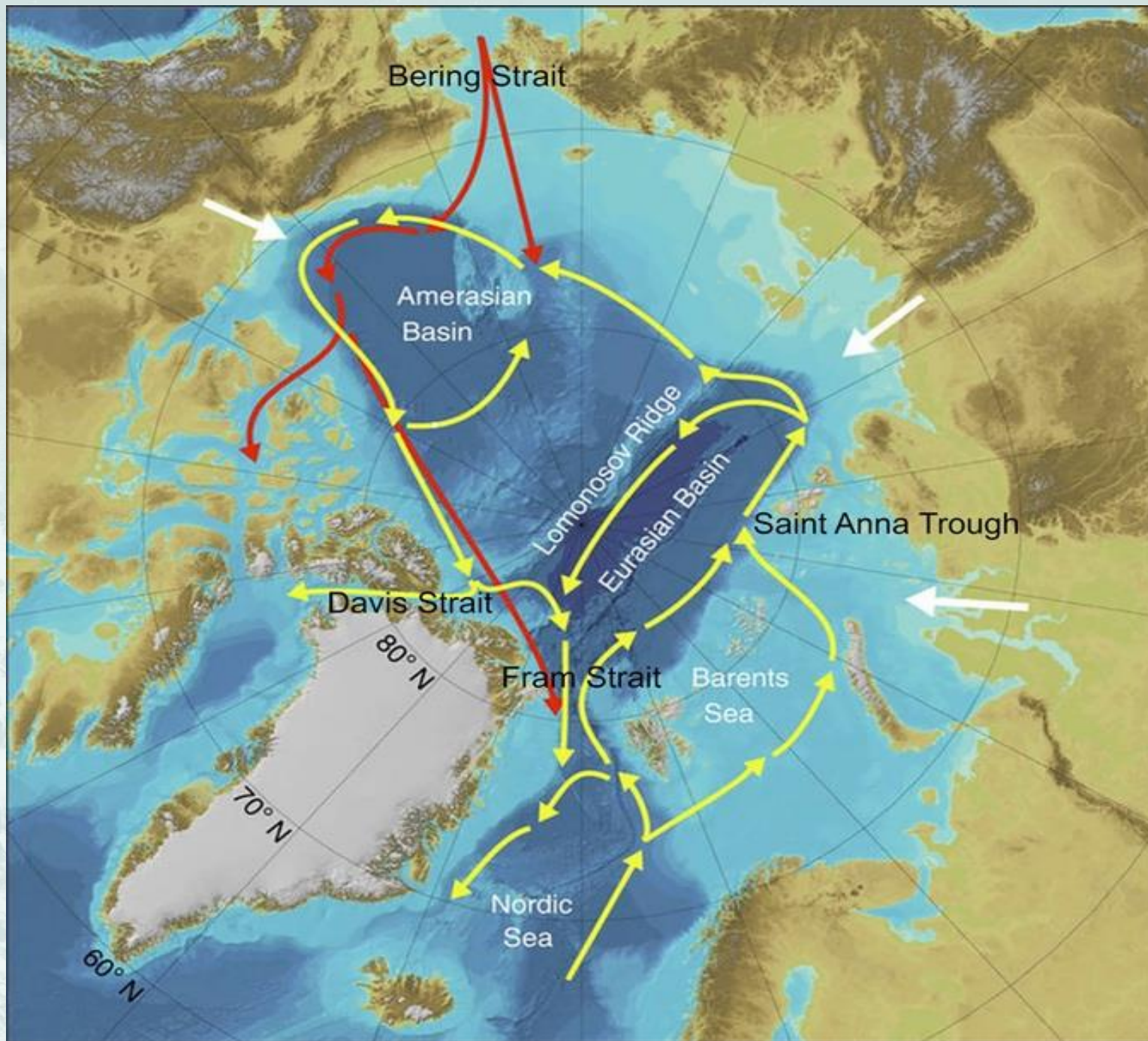
Resource Exploration and Development

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Arctic 2021-2025 Work Plan



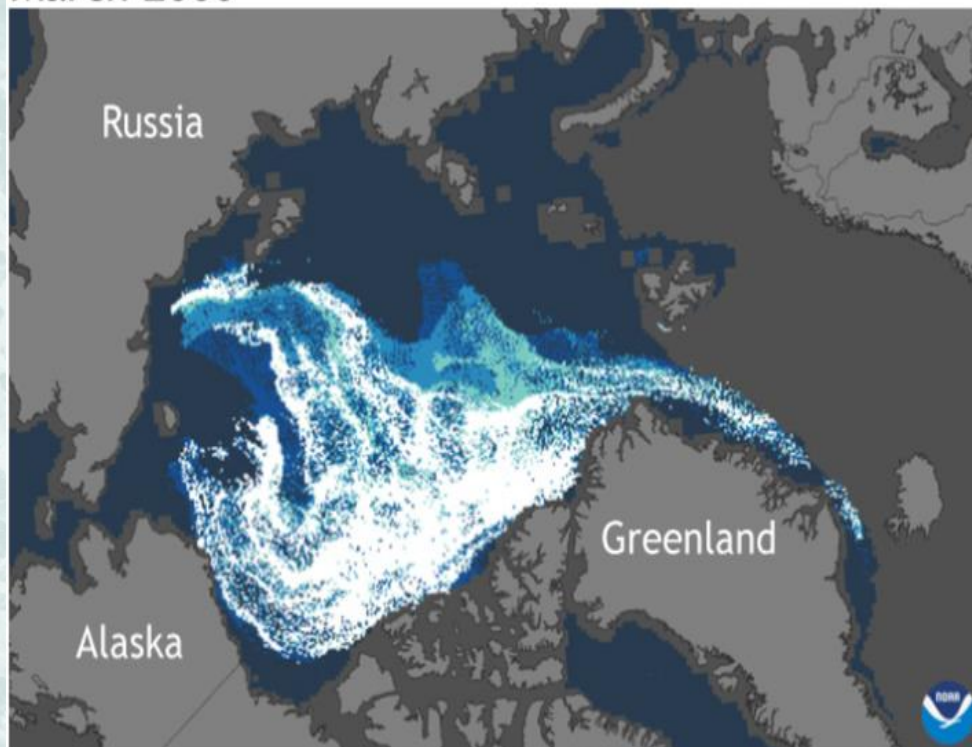
| |
|--|
| 1. Faroe Plateau LME |
| 2. Iceland Shelf and Sea LME |
| 3. Greenland Sea LME |
| 4. Norwegian Sea LME |
| 5. Barents Sea LME |
| 6. Kara Sea LME |
| 7. Laptev Sea LME |
| 8. East Siberian Sea LME |
| 9. East Bering Sea LME |
| 10. Aleutian Islands LME |
| 11. West Bering Sea |
| 12. Northern Bering-Chukchi Seas LME |
| 13. Central Arctic LME (CAO-LME) |
| 14. Beaufort Sea LME |
| 15. Canadian High Arctic-North Greenland LME |
| 16. Canadian Eastern Arctic-West Greenland LME |
| 17. Hudson Bay Complex LME |
| 18. Labrador-Newfoundland LME |



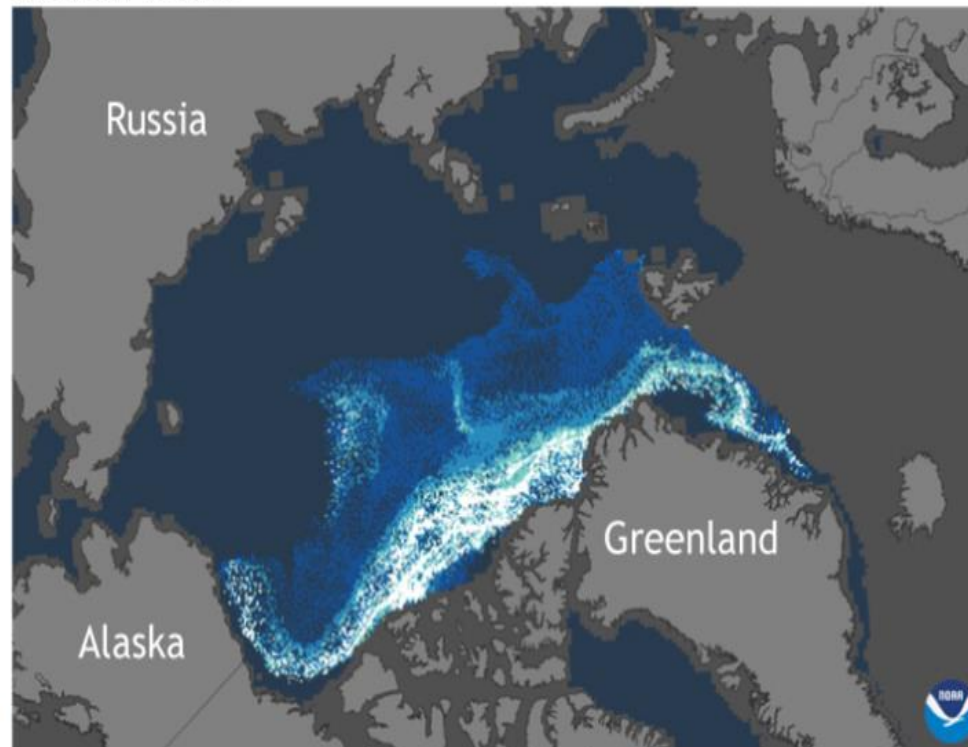
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Water Management

SIGNIFICANT LOSS OF OLDER ICE OVER PAST 20 YEARS

March 2000



March 2020



Arctic sea ice age (years)



Climate.gov
Data: NSIDC

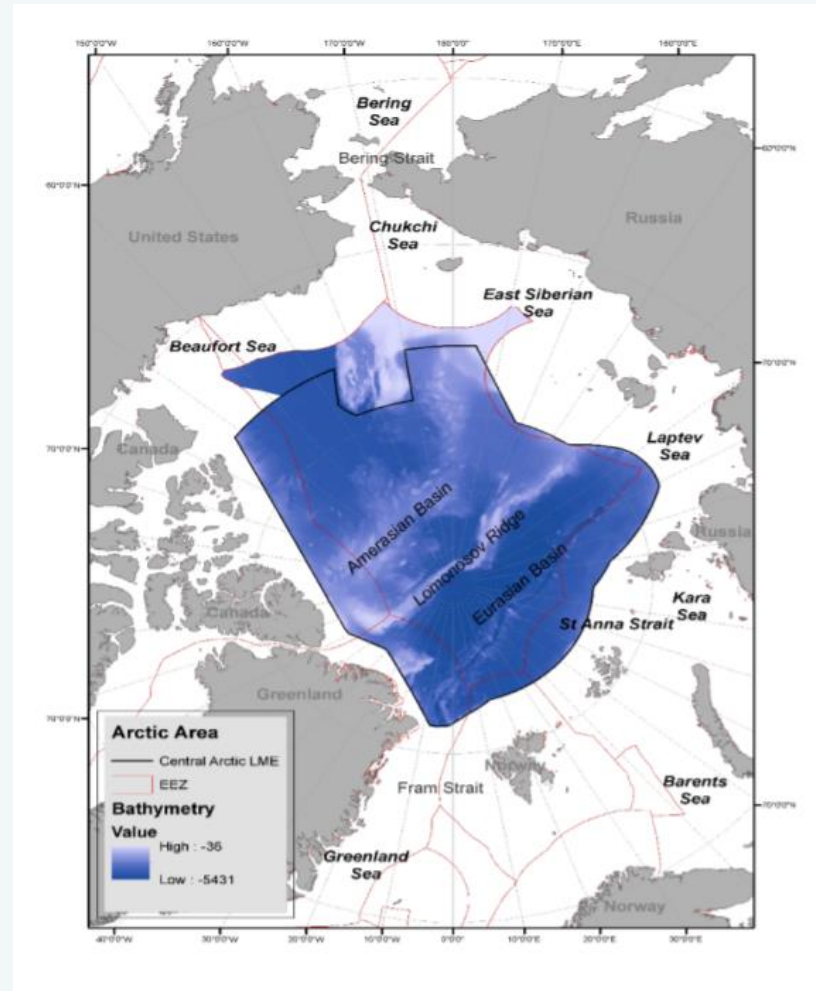


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Water Management

Central Arctic Ocean

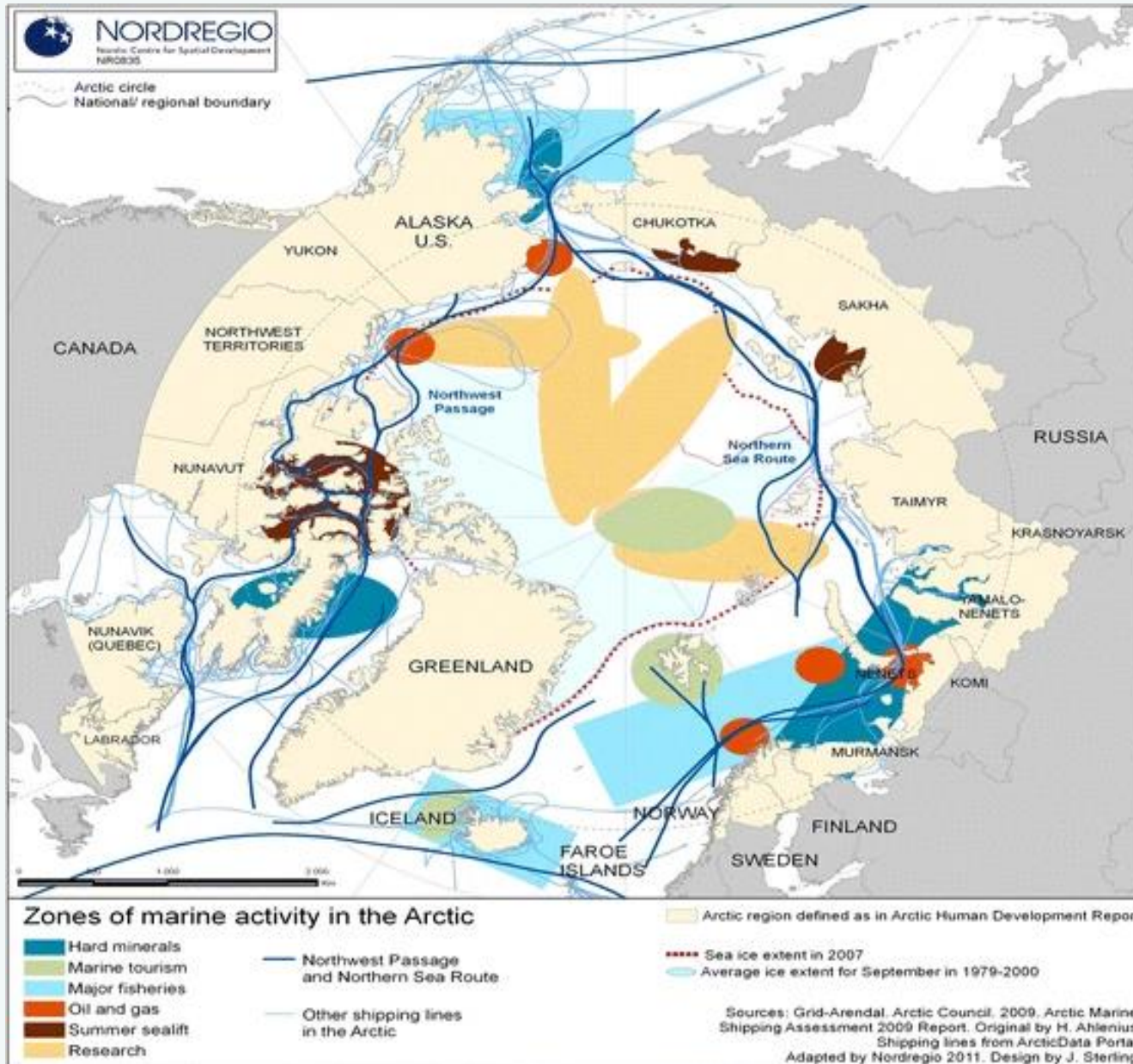
The Agreement to Prevent Unregulated High Seas Fisheries in the Central Arctic Ocean

- The Provisional Scientific Coordinating Group of the Preparatory Conference for (PSCG)

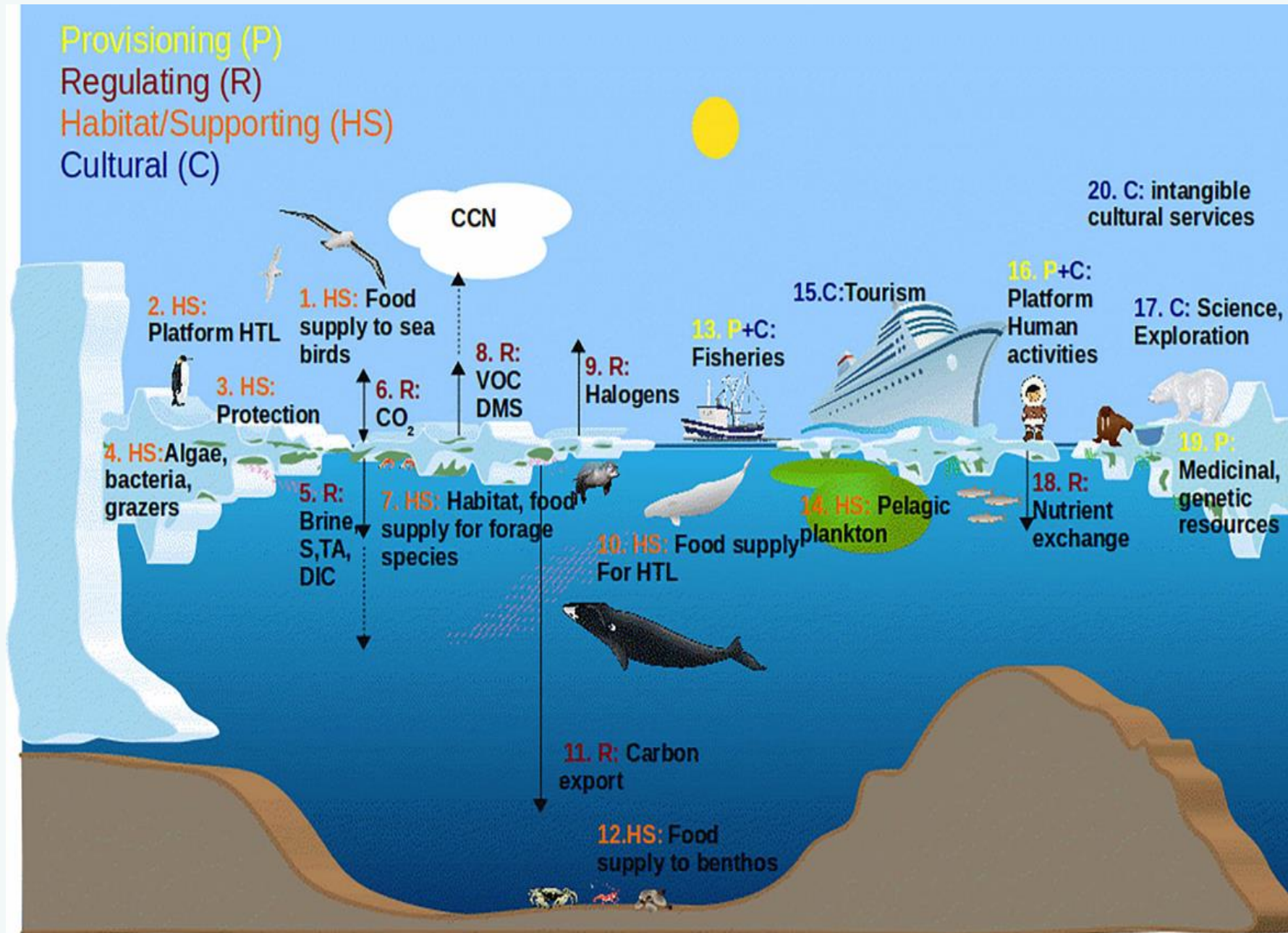


Marine activities around the CAO

Swedish Agency
for Marine and
Water Management



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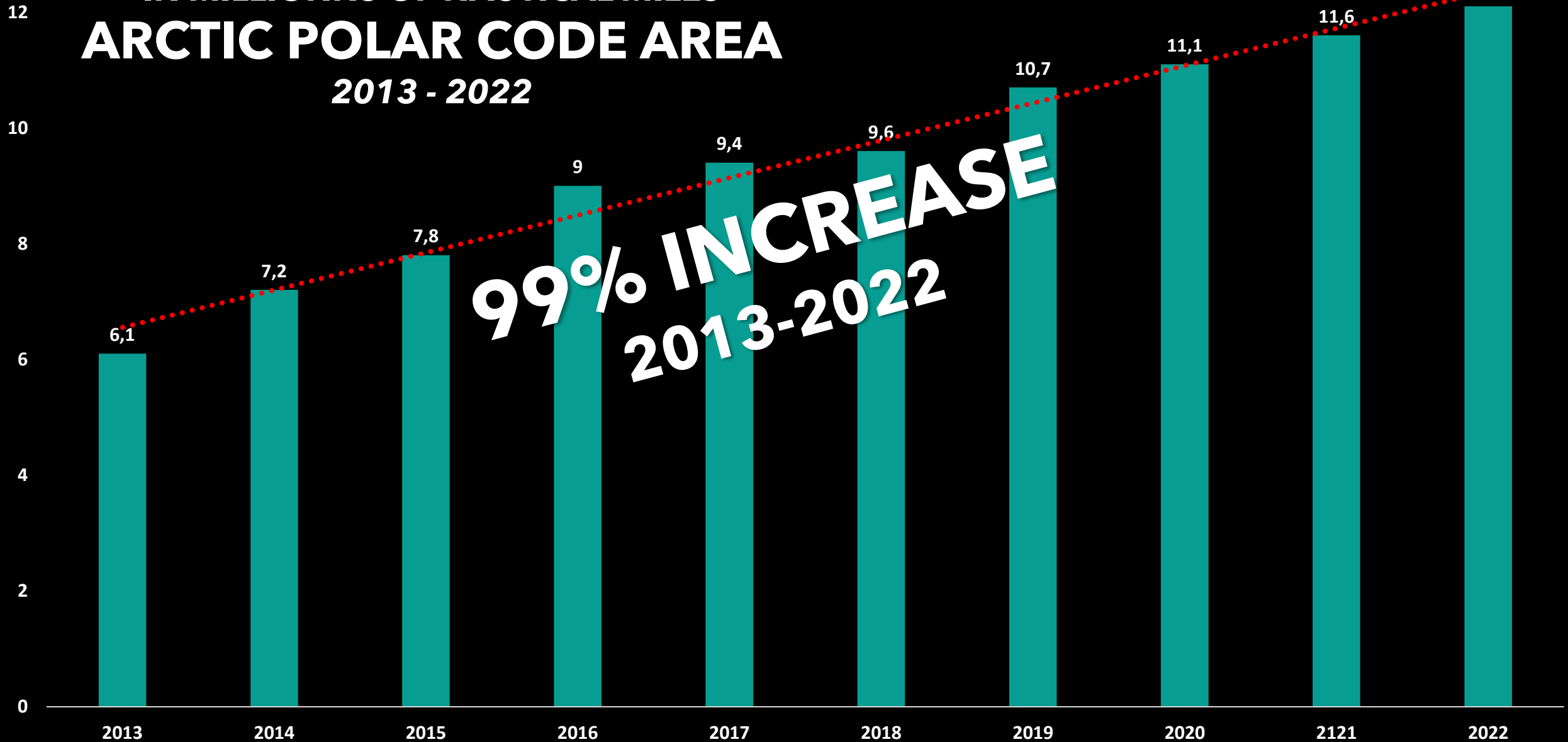
DISTANCE SAILED

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IN MILLIONNS OF NAUTICAL MILES

ARCTIC POLAR CODE AREA

2013 - 2022





Ecosystem Status, Human Impact & Management Measures in the Central Arctic Ocean (CAO)

Swedish Agency
for Marine and
Water Management

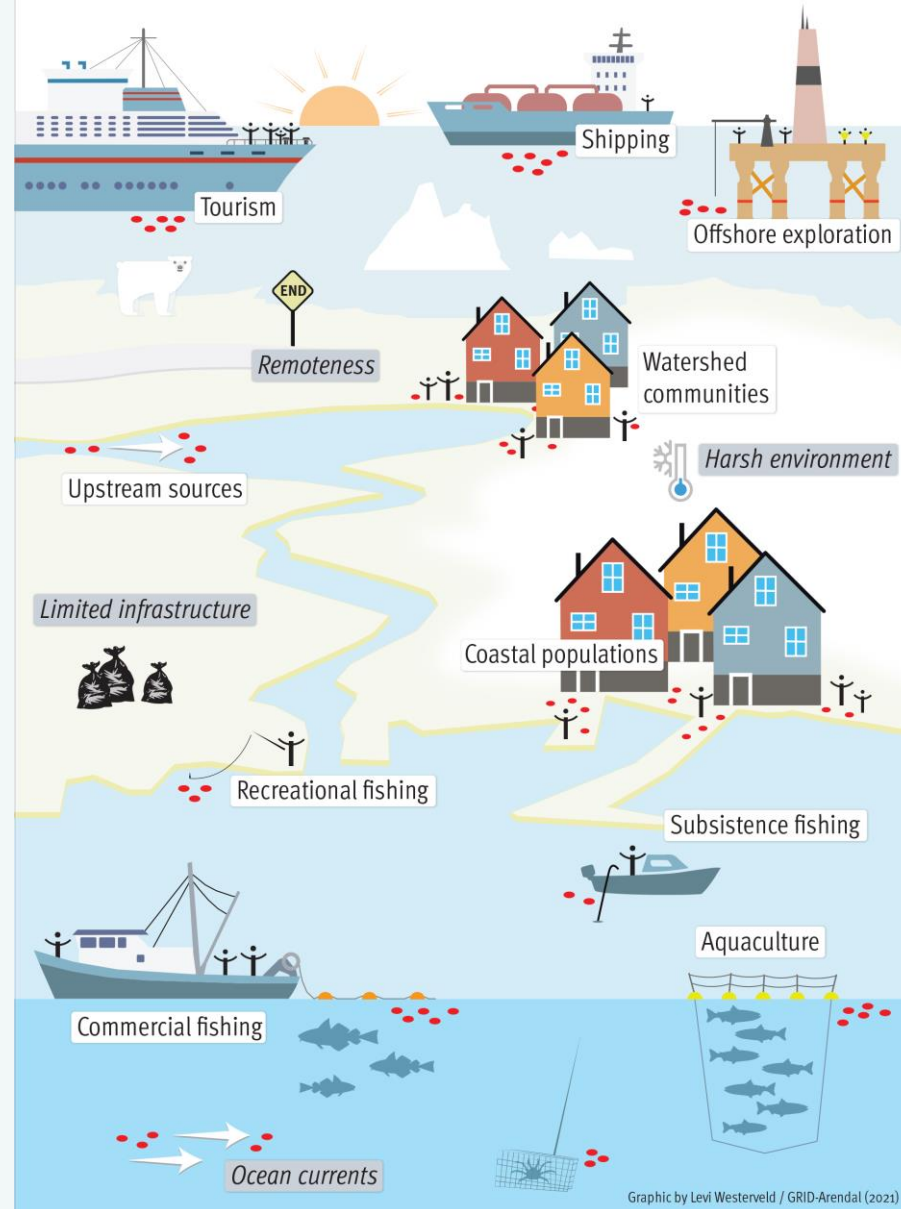
- Physical & ecological overview
- Human activities & pressures
- Governance & management measures applicable to the CAO
- Indigenous interests of the high seas
- Legal agreements: The CAO Agreement and the role for Inuit / Indigenous Peoples + UNCLOS, Paris Agreement, Barcelona Convention, London Convention, BBNJ, CBD, IMO and more.
- Collaboration ICES/PICES
- Collaborate with the Provisional Scientific Coordinating Group (PSCG)

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Sources of marine litter in the Arctic

Direct sources

Contributing factors



Graphic by Levi Westerveld / GRID-Arendal (2021)

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