



ArcNet

- An Arctic Ocean Network of Priority Areas for Conservation

The ArcNet Team

WWF Arctic Programme



PAME MPA-EG
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Arctic area-based conservation in context

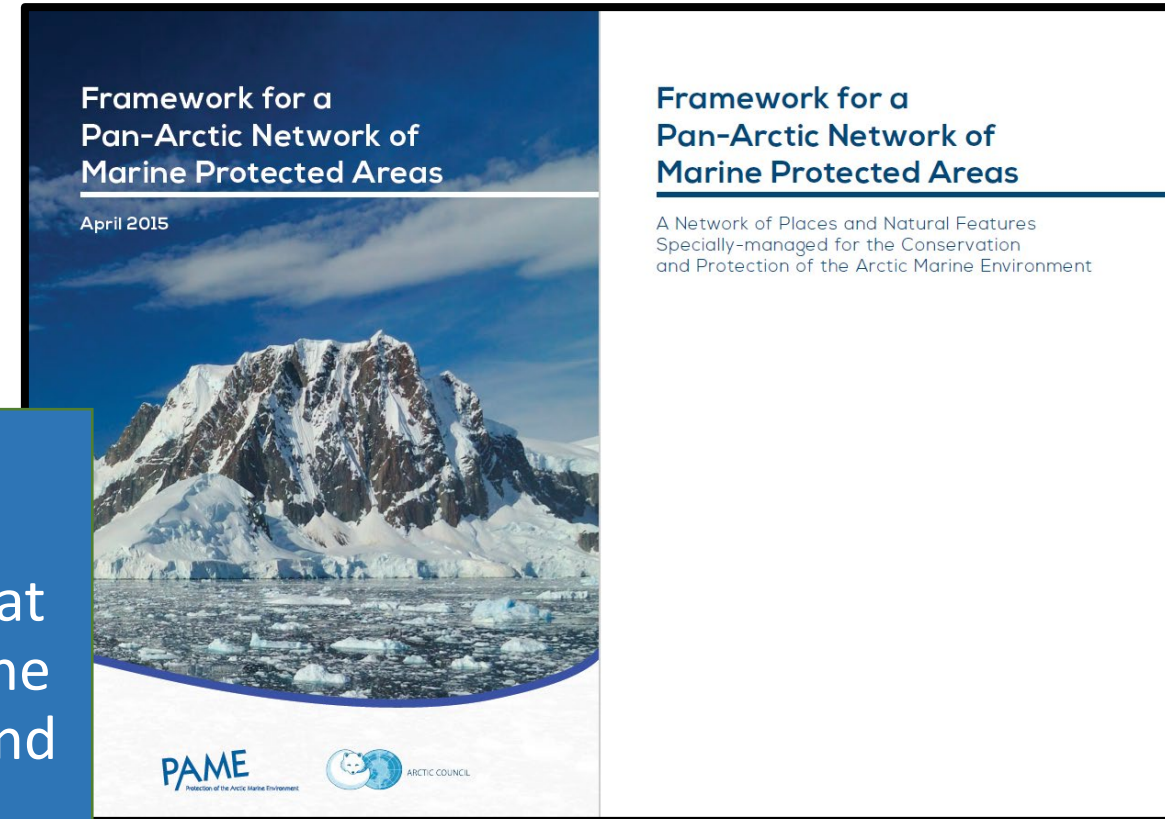
- Thriving with life
- Development is growing
- Threatened by climate change
- Lagging on protection



Building on an agreed framework

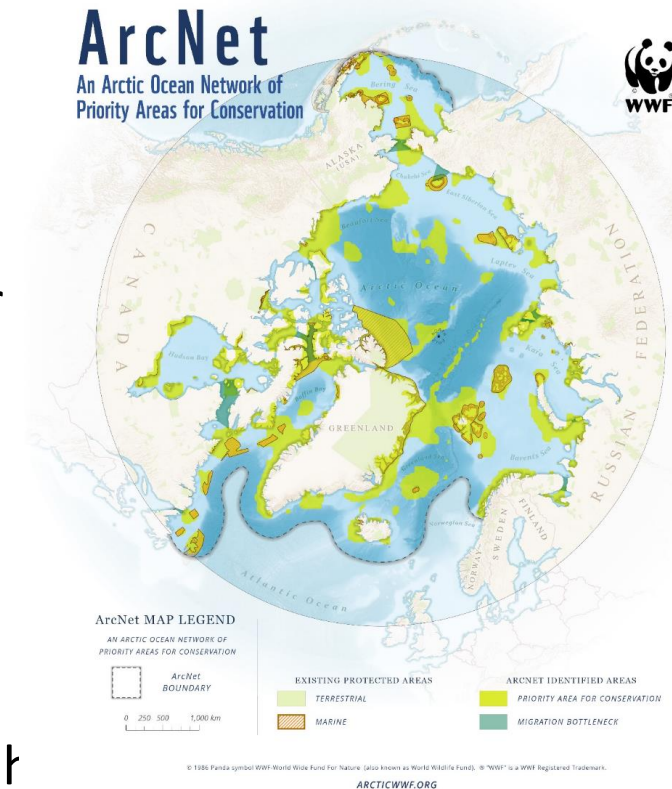
A compelling vision:

“An ecologically connected, representative and effectively-managed network of protected and specially managed areas that protects and promotes the resilience of the biological diversity, ecological processes and cultural heritage of the Arctic marine environment, and the social and economic benefits they provide to present and future generations.”



What is ArcNet?

- A mapped vision of an Arctic Ocean network of Priority Areas for Conservation;
- A comprehensive and systematically designed ocean-spanning conservation network as a proposal for marine planning and management;
- A transparent and reproducible approach to identify and establish conservation network;
- An invitation to engage in an iterative process for establishing and adjusting the network.

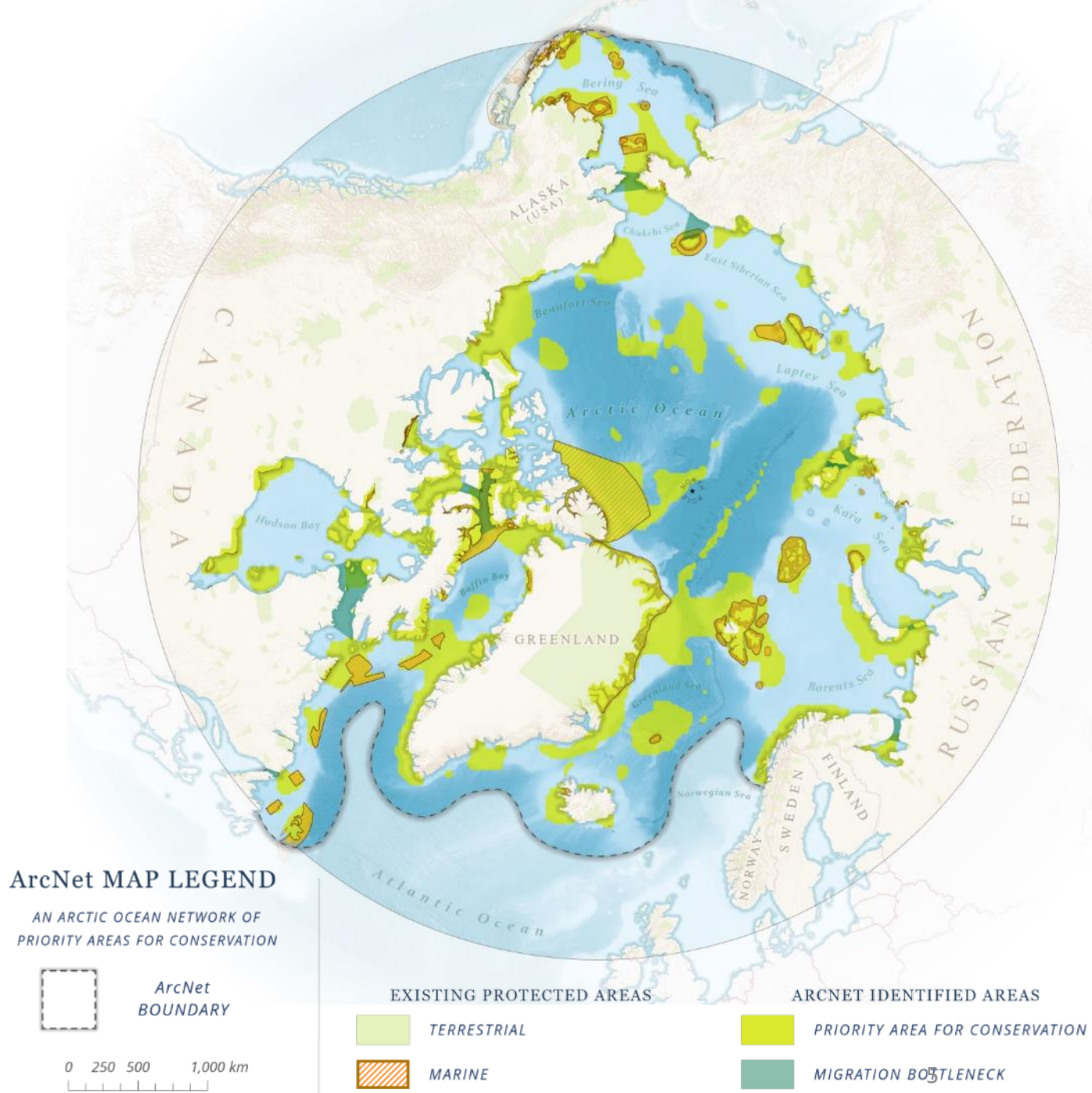




ArcNet

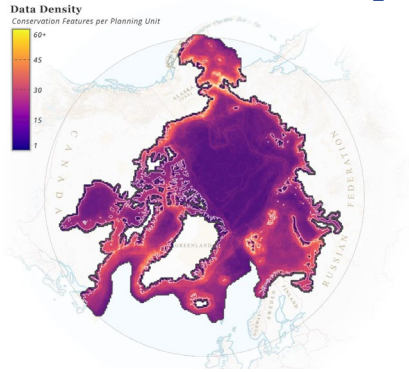
An Arctic Ocean Network of Priority Areas for Conservation

We have identified a network of areas for marine conservation across the entire Arctic Ocean, considering and prioritizing the needs of marine life, and the important functions of all the region's unique ecosystems



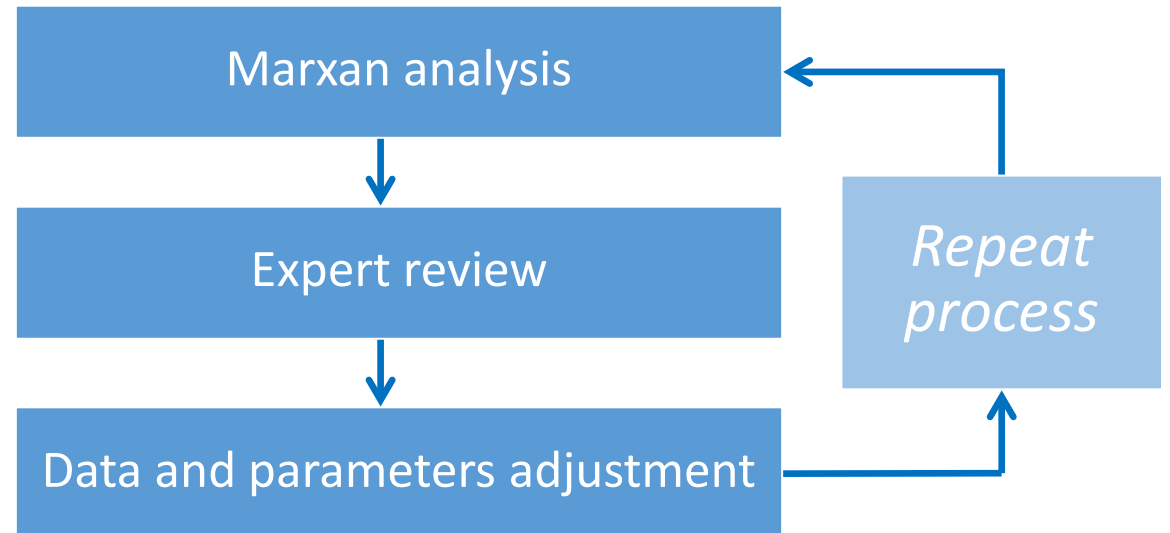
A systematic approach to data collection

An iterative expert-driven spatial analysis process



Conservation Features (Distinctive-Representative)

Marine mammals	234 (234 – 0)
Birds	106 (106 – 0)
Fish	96 (72 - 24)
Ice biota	89 (89 - 0)
Benthos	264 (54 – 190)
Coastal	29 (29-0)



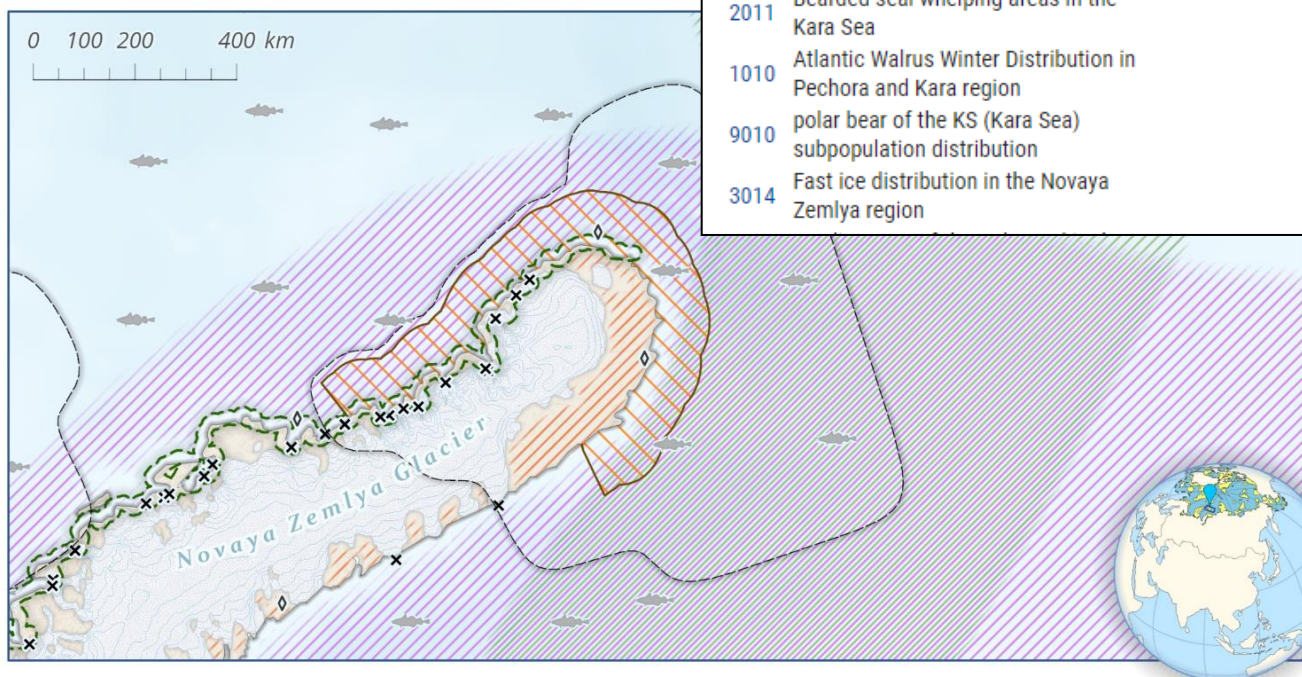


Analysis and query tools

CF	Name	Share of the Total Amount within the PAC	Conservation Target	Share of the Target Achievement for the ArcNet	PAC's Contribution to the Target Achievement
3118	polynya NZ N	54.8%	12.0%	423.3%	93.4%
8041	Novaya Zemlya glacial termini	31.4%	30.0%	104.8%	94.3%
3027	Marginal Ice Zone distribution in April in the Kara Sea LME	23.0%	12.0%	167.7%	42.9%
7236	Kelp forests of North Island of Novaya Zemlya	17.6%	30.0%	58.7%	54.4%
1007	Atlantic Walrus haulouts in Pechora and Kara region	11.6%	96.0%	12.1%	11.8%
7046	Western Kara transitional zone	6.4%	15.2%	36.3%	36.0%
9028	polar bear denning areas of KS (Kara Sea) subpopulation	5.2%	52.8%	9.4%	9.3%
6089	6089 Alle alle polaris breeding colonies	4.4%	36.0%	11.4%	6.7%
2011	Bearded seal whelping areas in the Kara Sea	3.9%	24.0%	13.7%	13.4%
1010	Atlantic Walrus Winter Distribution in Pechora and Kara region	3.9%	33.6%	10.7%	7.1%
9010	polar bear of the KS (Kara Sea) subpopulation distribution	2.7%	26.4%	8.7%	8.5%
3014	Fast ice distribution in the Novaya Zemlya region	2.6%	6.0%	37.9%	8.6%

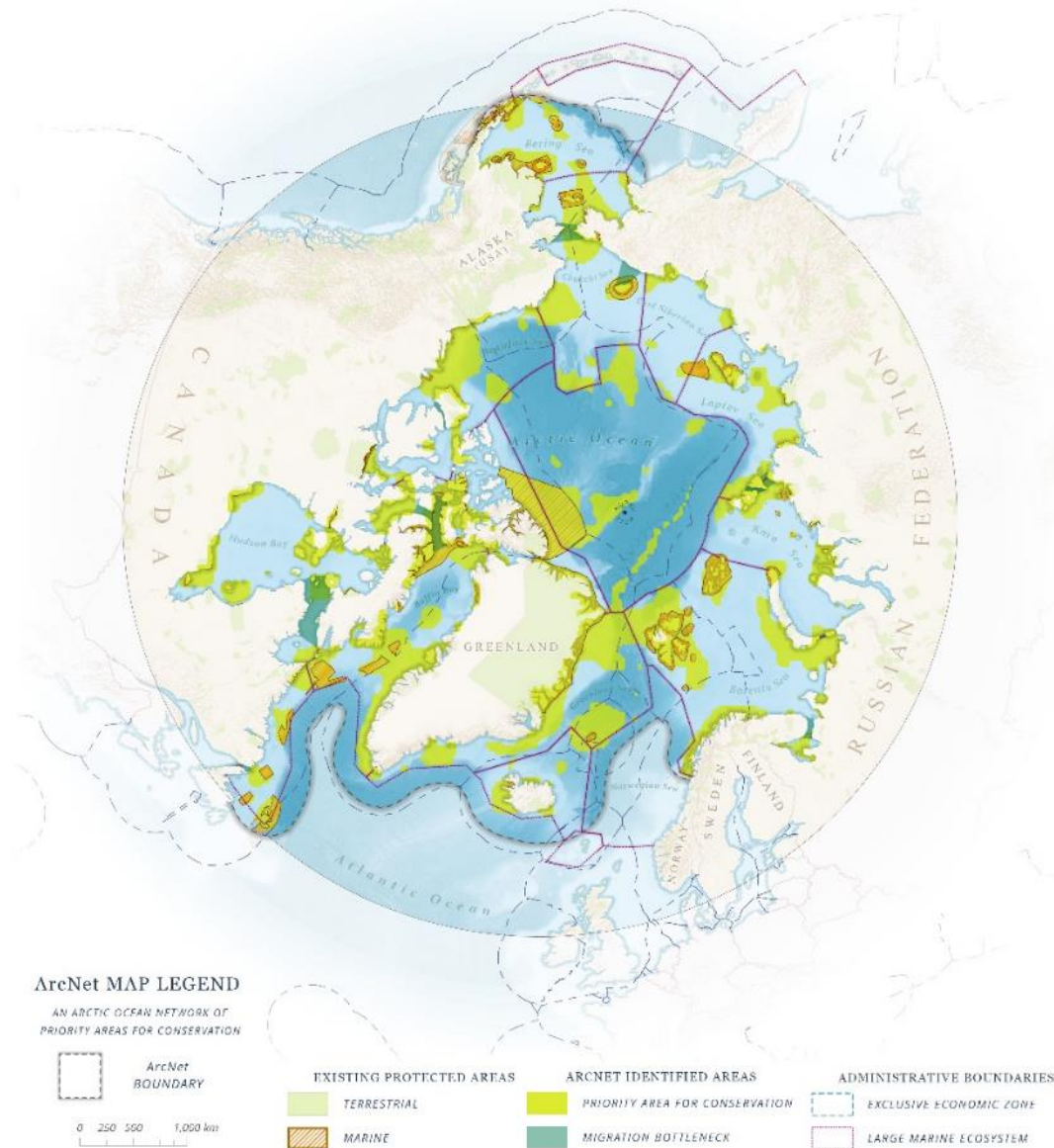
PAC 19 Northern tip of Novaya Zemlya

- Legend**
- ✕ Glacial Terminus Community
 - ◇ Atlantic Walrus Haulout
 - 🐟 Cod Feeding Region
 - 🌿 Kelp Forest
 - 🐳 Narwhal Summer Range
 - 🐟 Beluga Range
 - 🐻 Polar Bear Denning Area
 - 🌊 Polynya
 - 🛡️ Marine Protection
 - 📏 PAC Boundary



What will happen next?

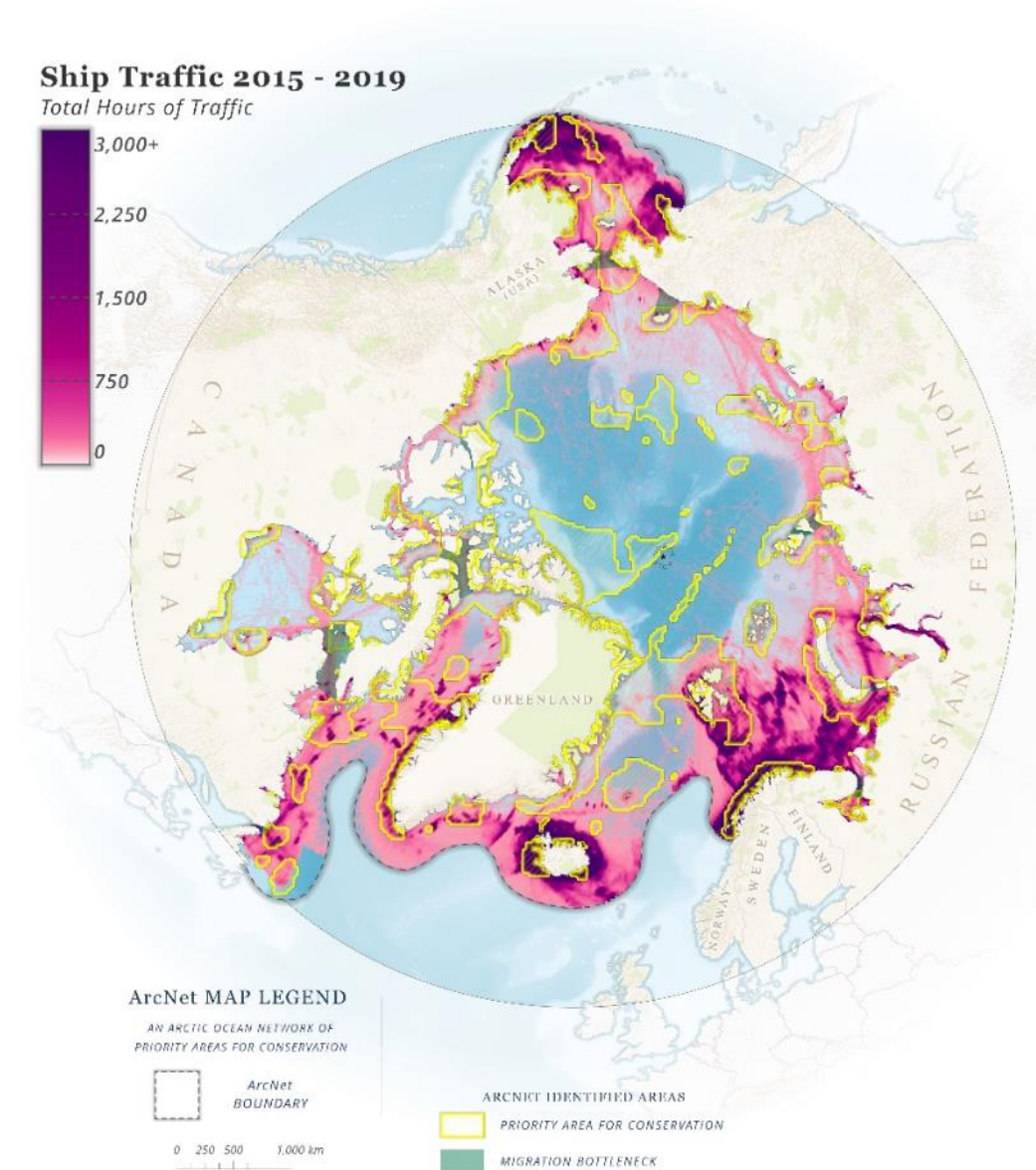
We will now engage with governments and marine stakeholders to advocate for and help with establishing conservation measures in the ArcNet Priority Areas for Conservation and in building national marine protected area networks using the ArcNet approach, analysis, and tools.



Opportunities for PAME

We plan to engage wider to refine the network and to build momentum for implementation:

- Indigenous peoples
- Scientists and marine experts
- Monitoring and management communities
- Innovation partnerships





Learn more and join

- Visit our website: arcnetocean.org and sign up to receive updates
- Contact the ArcNet team:

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Thank you!

Curious?
Questions please!

