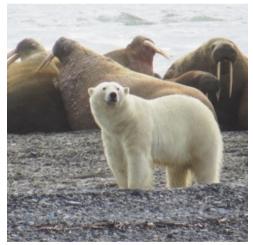


WWF • Global Arctic Program / Global Oceans Practice

Sustainable Blue Economy in the Arctic and Conserving Biodiversity by Tom Arnbom WWF









PHOTOS: TOM ARNBOM



THE ARCTIC BLUE ECONOMY • Definition

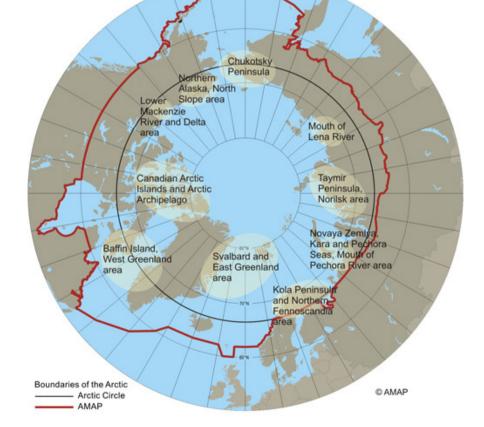
and Boundaries

FOCUS:

Shipping, fishing, tourism, extractive industries, subsistence, & new bio-resources

BUT NOTE:

"Virtually all the Arctic opportunity now being chased by investors is in some way dependent on the Arctic Ocean."







3 FACTORS TRANSFORMING THE ARCTIC

Global Economic Demand

"... much of the world's increased demand for fish is expected to be met by Arctic fisheries"

"Tourists find the Arctic increasingly attractive ..."



https://www.youtube.com/watch?v=HraOIjy5pr8&feature=youtu.be

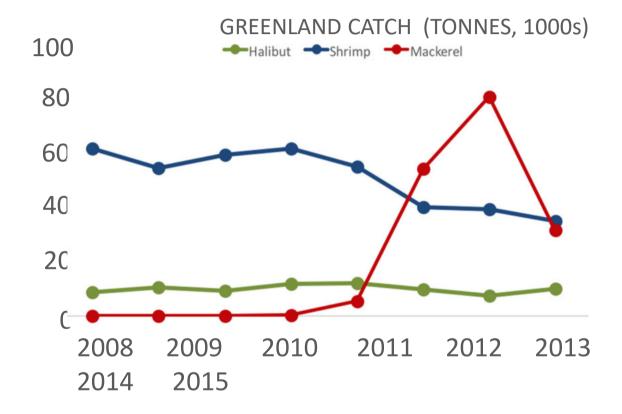


Sources: FAO and Crystal FAO: 7 July 2016,

http://www.fao.org/news/story/en/item/421871/icode/



FISH • Species are moving north

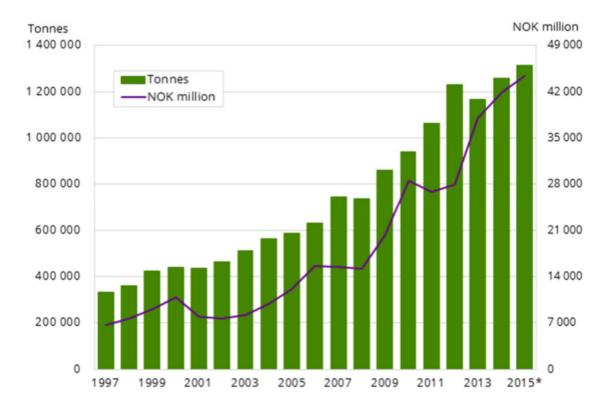




MACKEREL WERE FIRST CAUGHT IN 2011. IN 2014, THEY ACCOUNTED FOR 23% OF GREENLAND'S FISH EXPORT



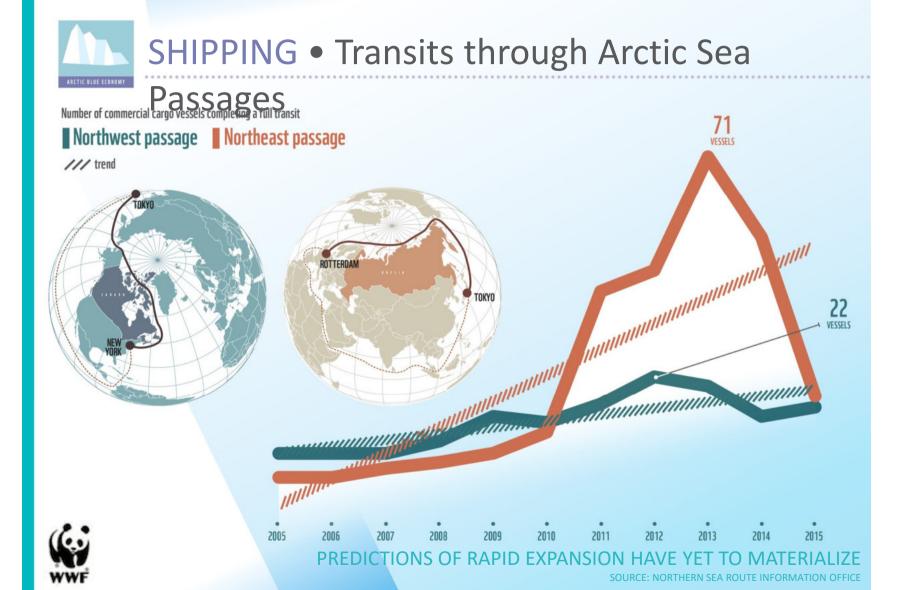
FISH • Aquaculture is expanding ... fast





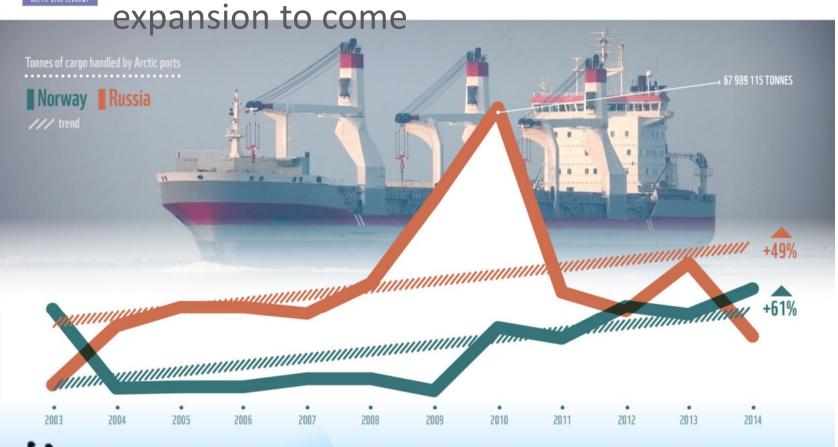
SALMON AQUACULTURE IN NORWAY, 1997-2015 ABOUT 40% IS FROM ARCTIC WATERS

SOURCE: STATISTICS NORWAY





SHIPPING • Indications of greater



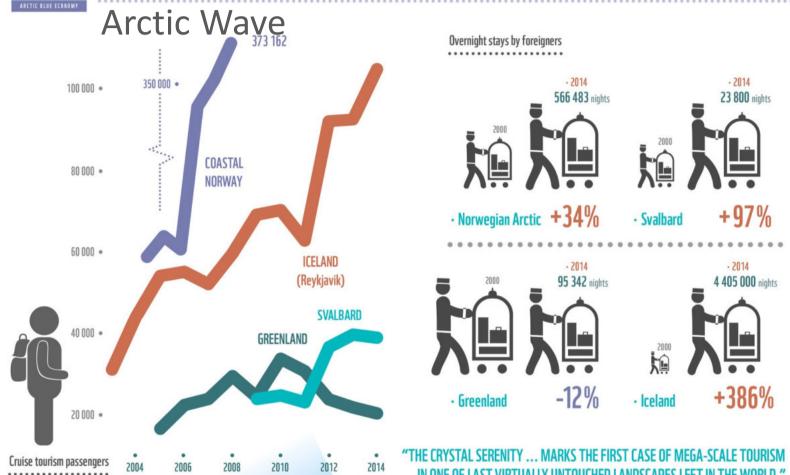


ARCTIC CARGO HANDLING IS GROWING STEADILY

SOURCES: STATISTICS NORWAY, PATCHWORK BARENTS.ORG



MARINE BASED TOURISM • A Growing



IN ONE OF LAST VIRTUALLY UNTOUCHED LANDSCAPES LEFT IN THE WORLD."



GUIDANCE • Principles for a Sustainable

Blue Economy

DEVELOPED BY WWF A GLOBAL CONSULTATION PROCESS

A SUSTAINABLE BLUE ECONOMY is one that ...

- Provides social and economic benefits for current and future generations
- Restores, protects and maintains diverse, productive and resilient marine ecosystems
- Is based on clean technologies, renewable energy and circular material flows











RECOMMENDATIONS • For a Sustainable Blue Arctic Economy

- 1. Prioritize the risks associated with climate change when investing
- 2. Apply ecosystem-based management in the Arctic marine environment
- 3. Improve Arctic governance to ensure Sustainable Development
- 4. Preserve biodiversity as we adapt to the realities of a warmer Arctic





Why we need a Sustainable Blue Economy for the Arctic





PHOTO: TOM ARNBOM



Why we need a Sustainable Blue Economy for the Arctic





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