



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

UN DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT:

Arctic Regional Hydrographic Commission

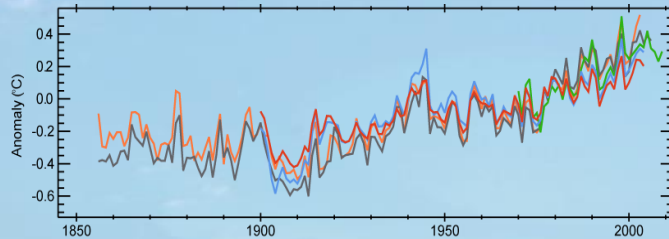
Craig McLean

Head of US Delegation to IOC, Assistant Administrator - NOAA Oceanic and Atmospheric Research

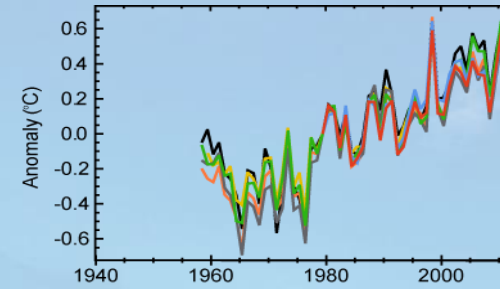
8/14/2020

Earth Trends

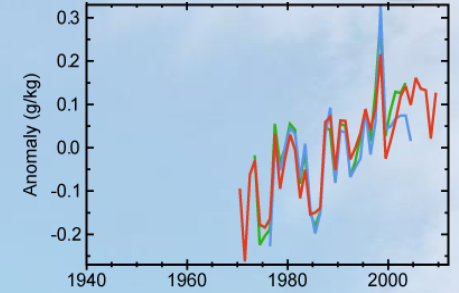
AIR TEMPERATURE OVER OCEAN



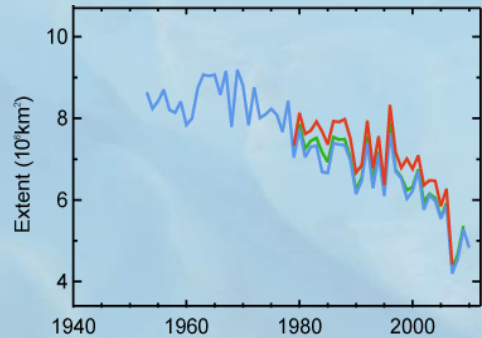
LOWER ATMOSPHERE TEMPERATURE



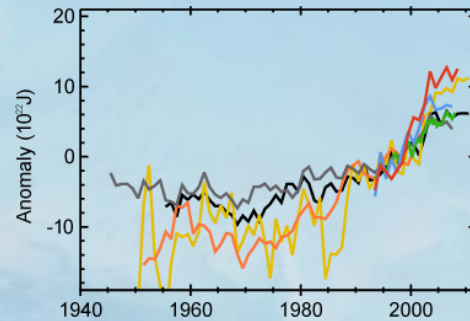
HUMIDITY



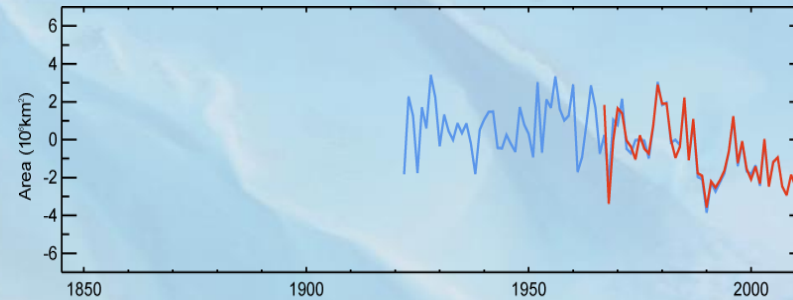
ARCTIC SEA ICE



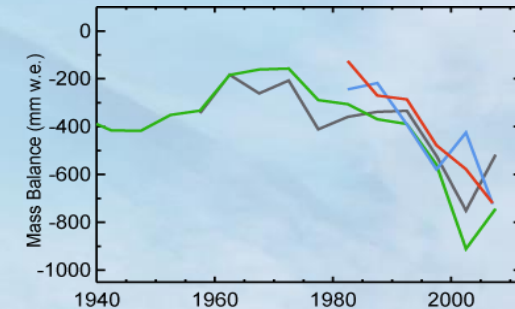
OCEAN HEAT CONTENT



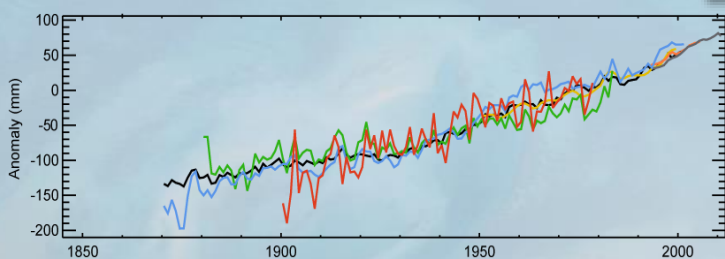
SNOW



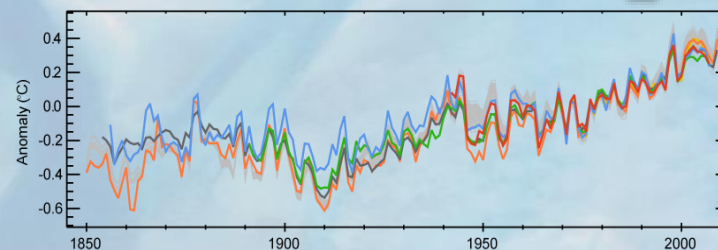
GLACIERS



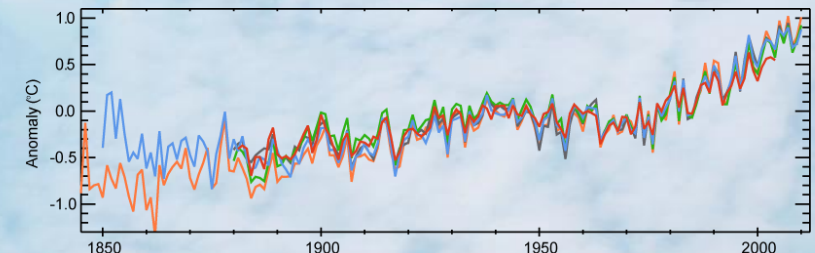
SEA SURFACE TEMPERATURE



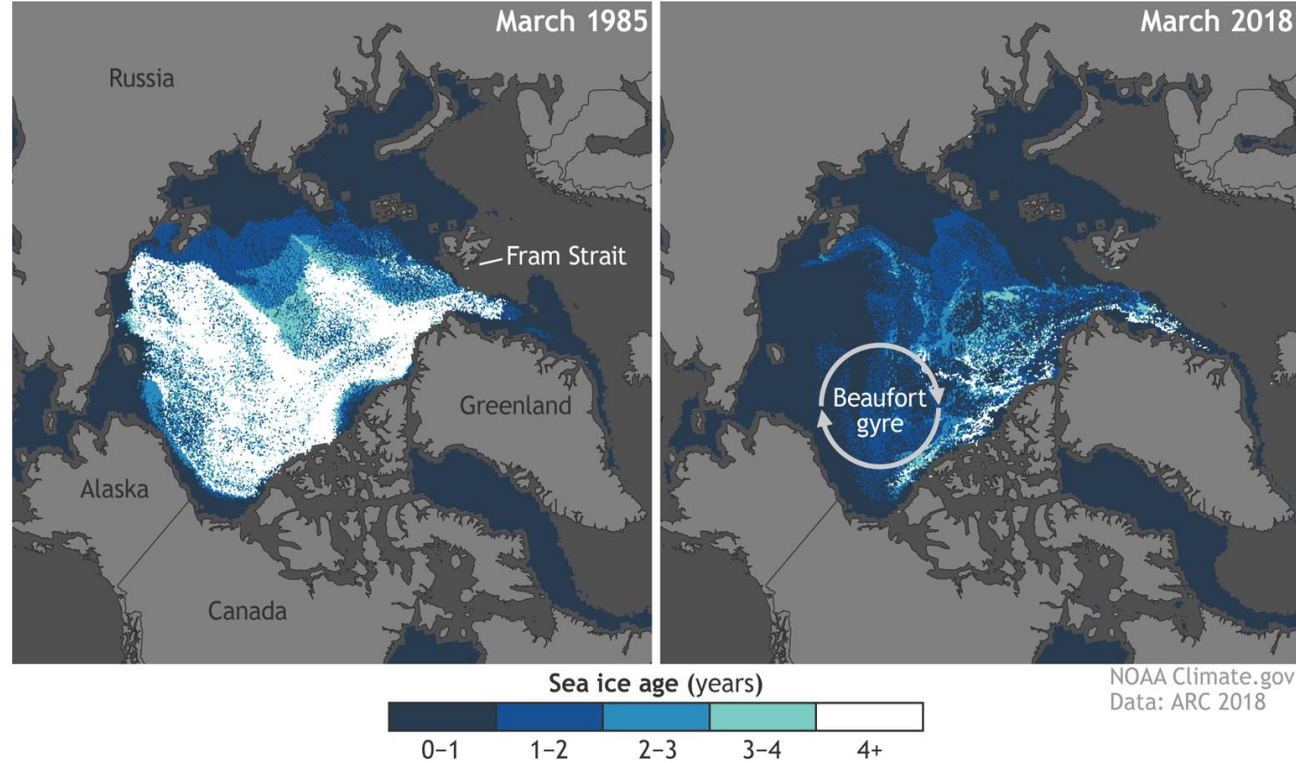
GLOBAL SEA LEVEL



OVER LAND AIR TEMPERATURE



LOSS OF VERY OLD ICE OVER TIME



Arctic transformations are global and have implications for

- Ecosystems
- Hydrography
- Shipping
- National Security
- Food Security
- Blue Economy
- Indigenous Peoples





United Nations

UN GENERAL ASSEMBLY PROCLAMATION

Dec. 6, 2017

Omnibus Resolution for Oceans and the Law of the Sea (A/RES/72/73)

- Proclaimed the **UN Decade of Ocean Science for Sustainable Development 2021-2030**
- Called upon the IOC to prepare an **implementation plan** for the Decade



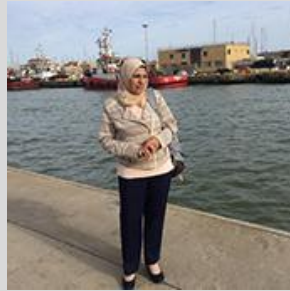
Growing Coherence in International Priorities

Common themes emerging at recent international conferences

- Arctic shipping routes
- Marine Protected Areas
- Climate Change
- Sustainable Fisheries
- IUU Fishing
- Marine Pollution, Plastics
- Sustainable Blue Economy
- Maritime Security
- Corals
- Ocean Acidification



AMERICAN INFLUENCE ON EXECUTIVE PLANNING GROUP



DECADE GOALS: FOCUS ON SOCIETAL OUTCOMES



A Clean Ocean

Sources of pollution are identified removed from the ocean.



A Healthy and Resilient Ocean

Marine ecosystems are understood and managed.

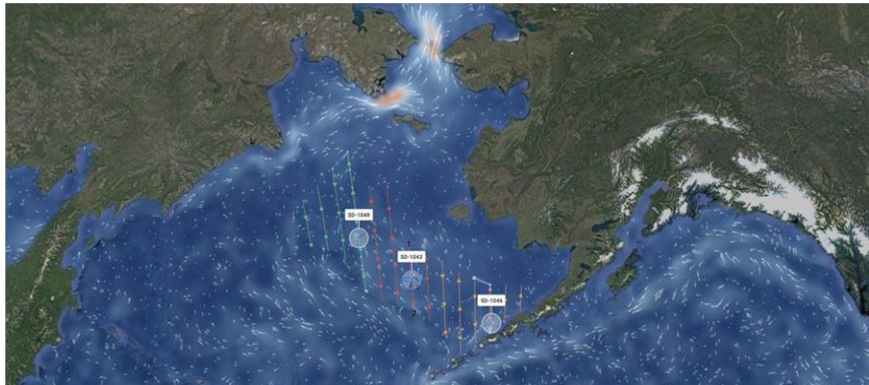
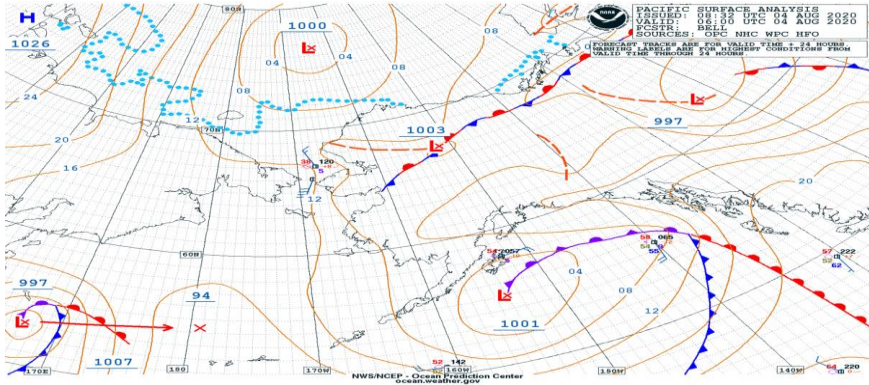


A Productive Ocean

Supporting sustainable food supply and a sustainable ocean economy.



DECADE GOALS: FOCUS ON SOCIETAL OUTCOMES



A Predicted Ocean

Society understand and can respond to changing ocean conditions.

A Safe Ocean

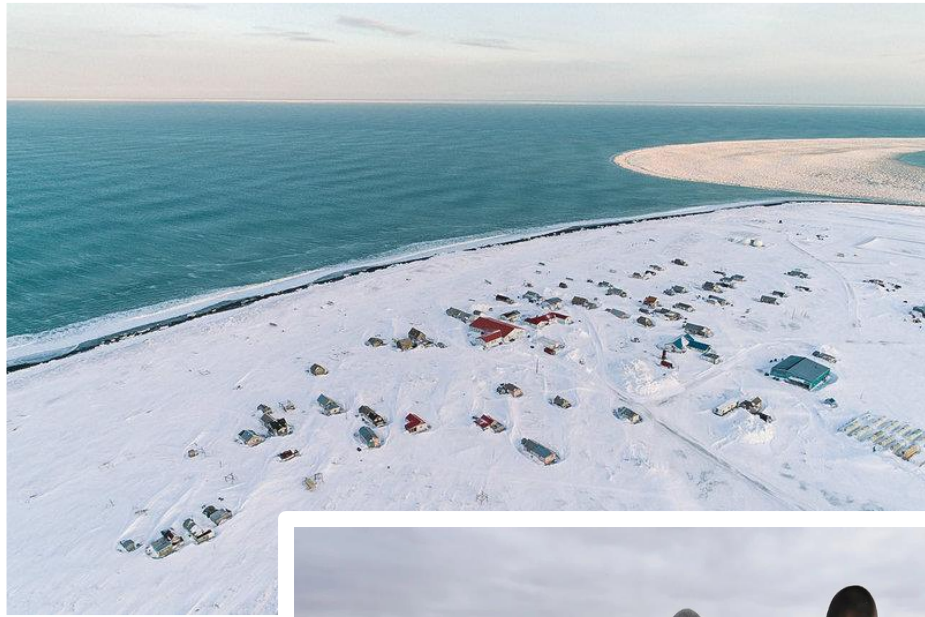
Life and livelihoods are protected from ocean-related hazards.

An Accessible Ocean

Open and equitable access to data, information and technology and innovations.



OCEAN DECADE GOALS: SOCIETAL OUTCOMES



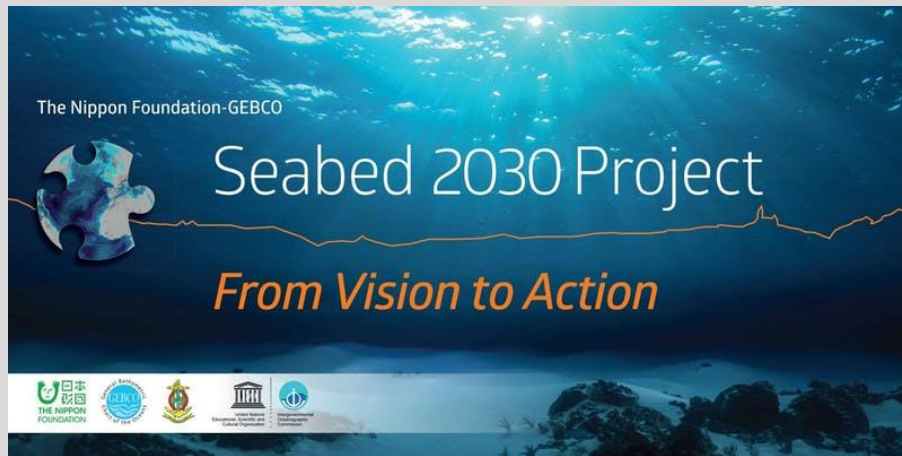
An Inspiring & Engaging Ocean

Society understands and values the diverse roles and different value systems of the ocean in relation to human wellbeing and sustainable development.

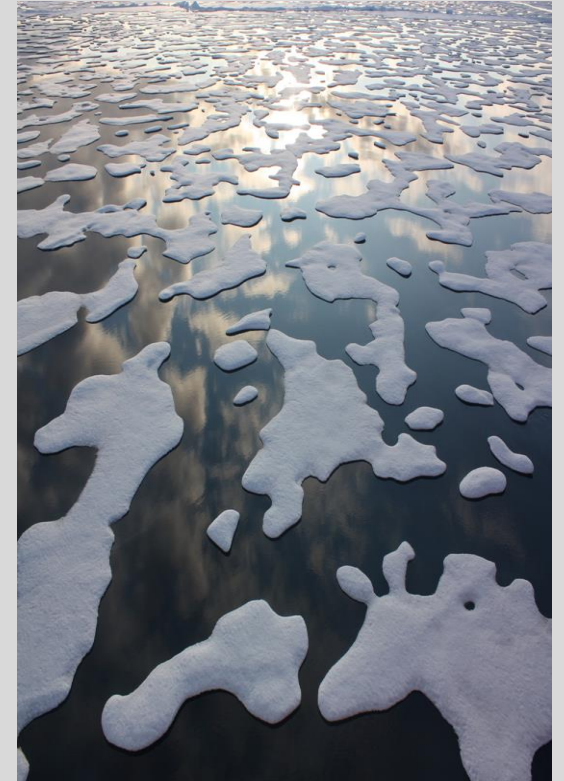




WHAT CAN YOU DO TO GET INVOLVED?



- UN Call for Actions - October 15, 2020
- Data availability
- Commercial sector participation
- Philanthropy
- Public awareness



MORE INFORMATION

Contact

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Follow all Decade news:
<http://oceandecade.org>

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THANK YOU