



2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

UN Decade of Ocean Science for Sustainable Development

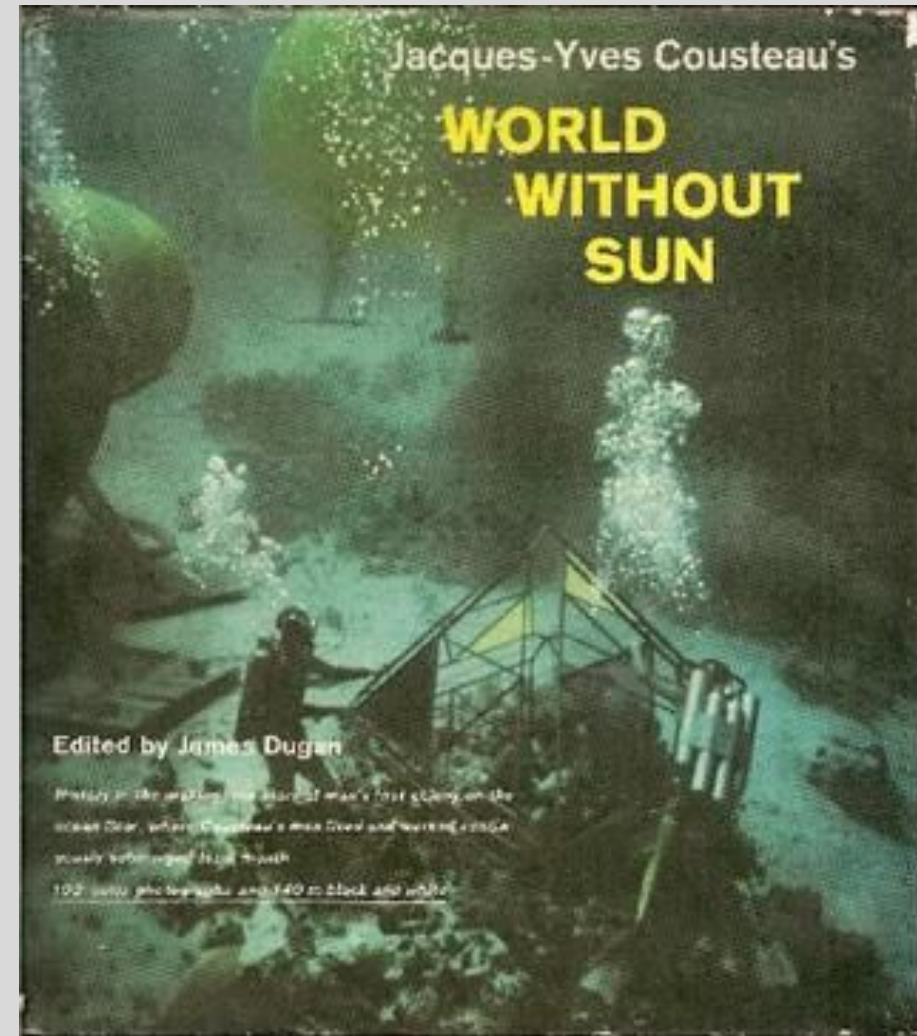
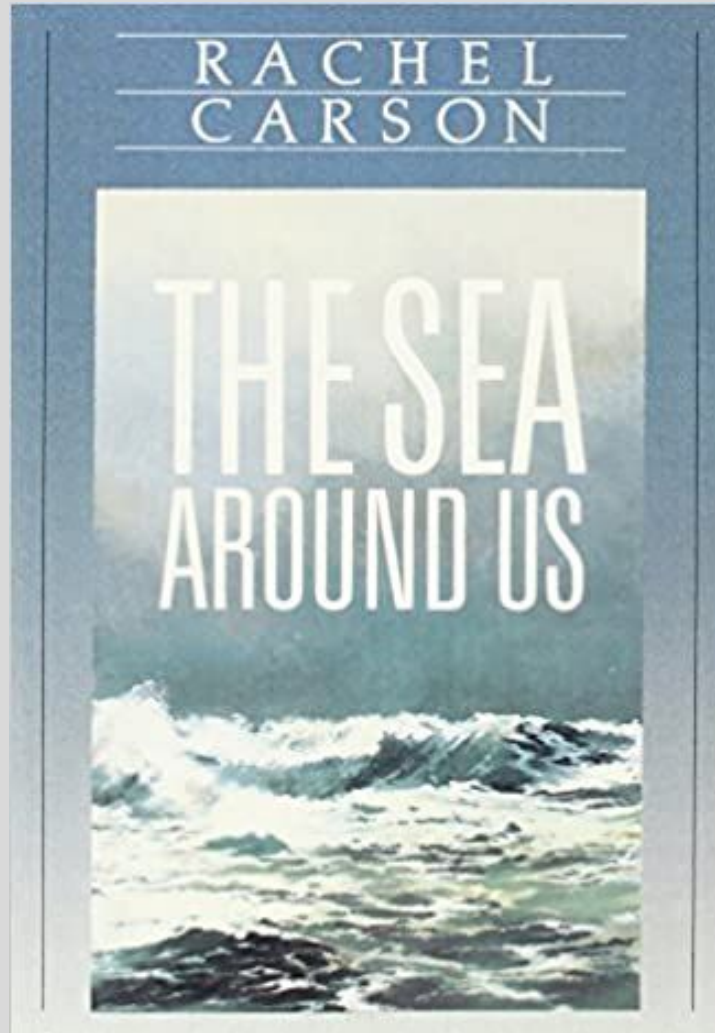
Ocean Exploration Advisory Board

Craig McLean

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

10/2/2020

Opportunity of Influence





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



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Confluence of International Priorities

Common themes emerging at recent international conferences

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



Ocean Decade Goals: Societal Outcomes



A Clean Ocean

Sources of pollution are identified and reduced or removed.



A Healthy and Resilient Ocean

Marine ecosystems are understood, protected, restored and managed.



A Productive Ocean

Supporting sustainable food supply and a sustainable ocean economy.



Ocean Decade Goals: Societal Outcomes



A Predicted Ocean

Society understands 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 innovation.



Ocean Decade Goals: Societal Outcomes



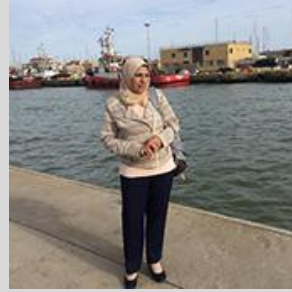
An Inspiring & Engaging Ocean

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



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Executive Planning Group



Decade Engagement Strategy

Science

Foundations

Private Sector

UN Partners

Youth/ECOP



UN Decadal Goals



U.S. Decadal Priorities



Accessible Ocean

Open and equitable access to data, information, tech., innovation



Productive Ocean

Supporting sustainable food supply and a sustainable ocean economy



Safe Ocean

Life and livelihoods are protected from ocean-related hazards



Healthy & Resilient Ocean

Marine ecosystems are understood, protected, restored and managed



Clean Ocean

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Predicted Ocean

Society understands and can respond to changing ocean conditions



Inspiring & Engaging Ocean

Focus on ocean literacy to establish broad understanding of role/importance of ocean



Modernize R&D infrastructure

Big data, models, R2O



Promote Economic Prosperity

Seafood competitiveness, energy, minerals, econ/eco balance, workforce



Resilient Coastal Communities

Disaster risk reduction



Safeguard Human Health

Plastics contaminants & pathogens, HAB, Natural Products



Ensure Maritime Security

Arctic transport, situational awareness, national security relies on *strong science literacy* in our communities

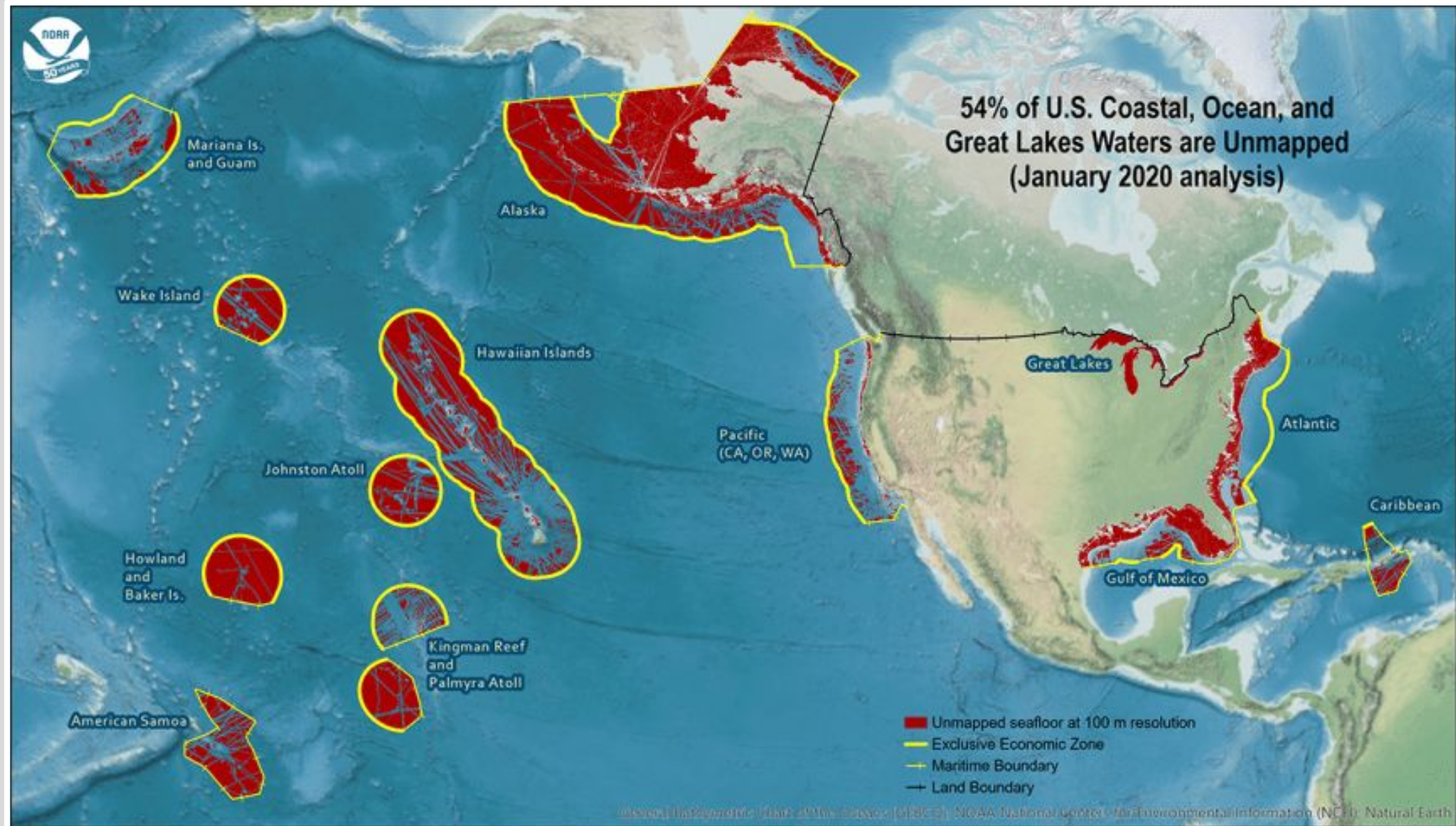
Administration Priority Areas

- Executive Order 13840 “Ocean Policy to Advance the Economic, Security, and Environmental Interests of the United States” (2018)
- Science and Technology for America’s Ocean: A Decadal Vision (2018)
- White House Summit on Partnerships for Ocean S&T (2019)
- Presidential Memorandum on Ocean Mapping of the EEZ and Shoreline/Nearshore of Alaska (2019)
- Executive Order on Promoting American Seafood Competitiveness & Economic Growth (2020)
- NOPP 2.0 Reauthorization
- Ocean Economy (\$373 Billion)*



*Source: <https://www.bea.gov/data/special-topics/ocean-economy>

Mapping the U.S. EEZ



U.S. Domestic Engagement Strategy



Raising community awareness and visibility of oceans



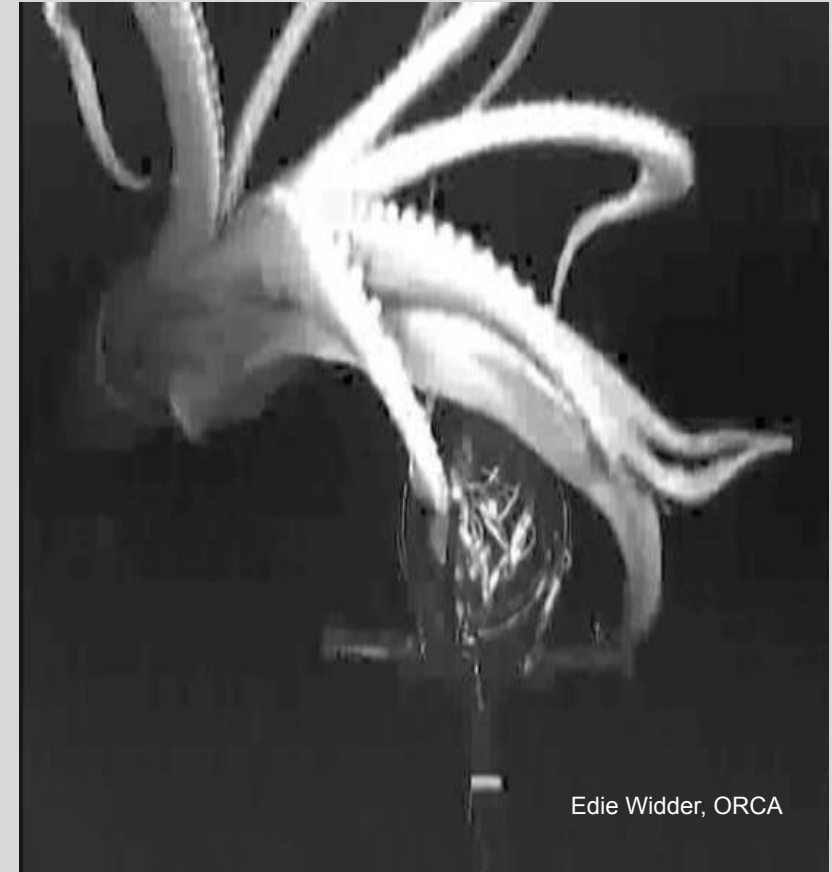
Recruit participation



Partnerships to support Decadal vision

How to contribute:

- If not now, when??
- Use the Decade as a vehicle
- Educate constituencies
- Industry: Business Plan
- Science Plan: Be Ambitious
- Science Plan: Use Networks
- Return to Campaign Oceanography
- If you like your 7 day weather forecast thank an Oceanographer



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MORE INFORMATION

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Follow all Decade news:
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THANK YOU