



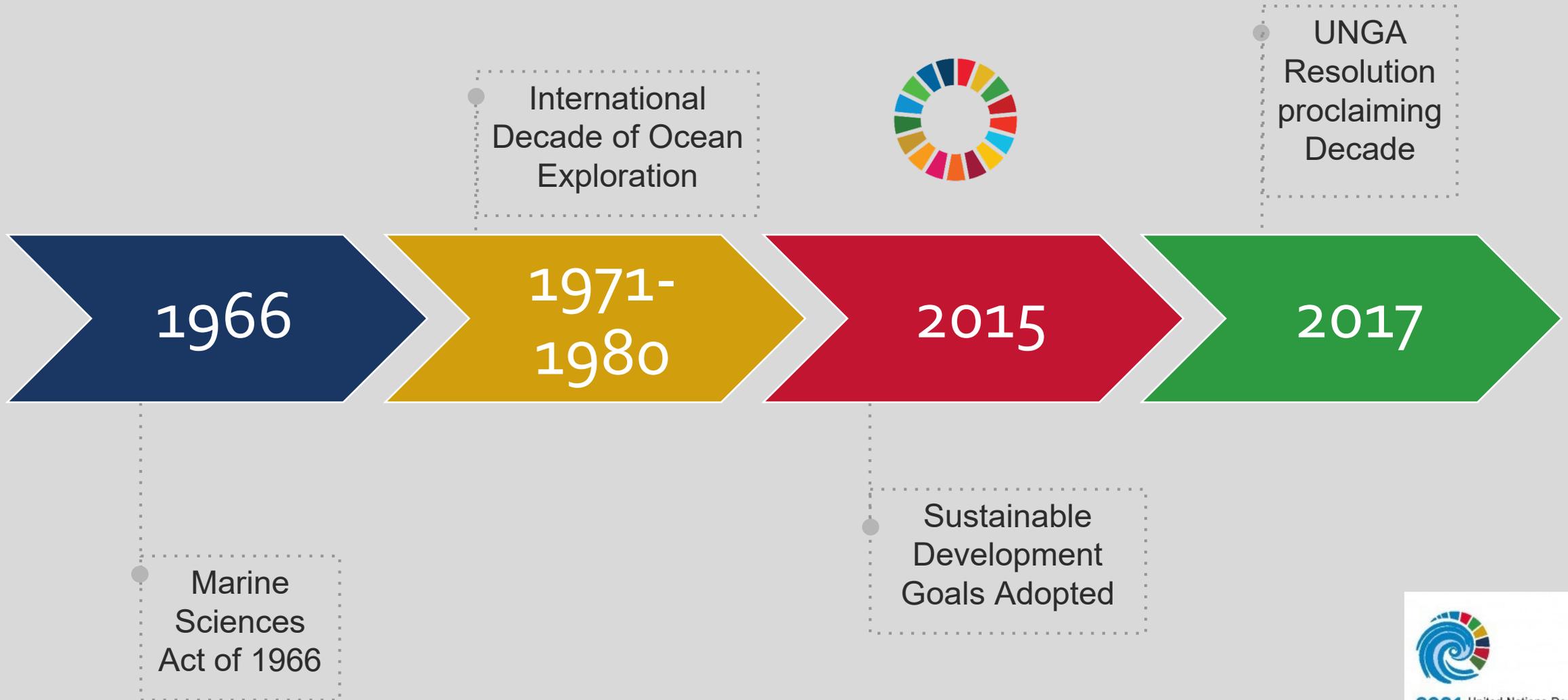
2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development

UN DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT: U.S. INFLUENCE & LEADERSHIP

69th Meeting of the NOAA Science Advisory Board

October 28, 2020

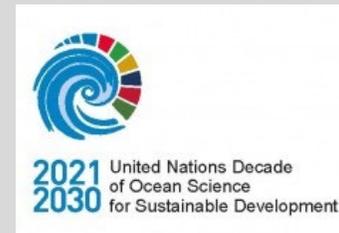
Origins of the Decade



Confluence of International Priorities

Common themes emerging at recent international conferences

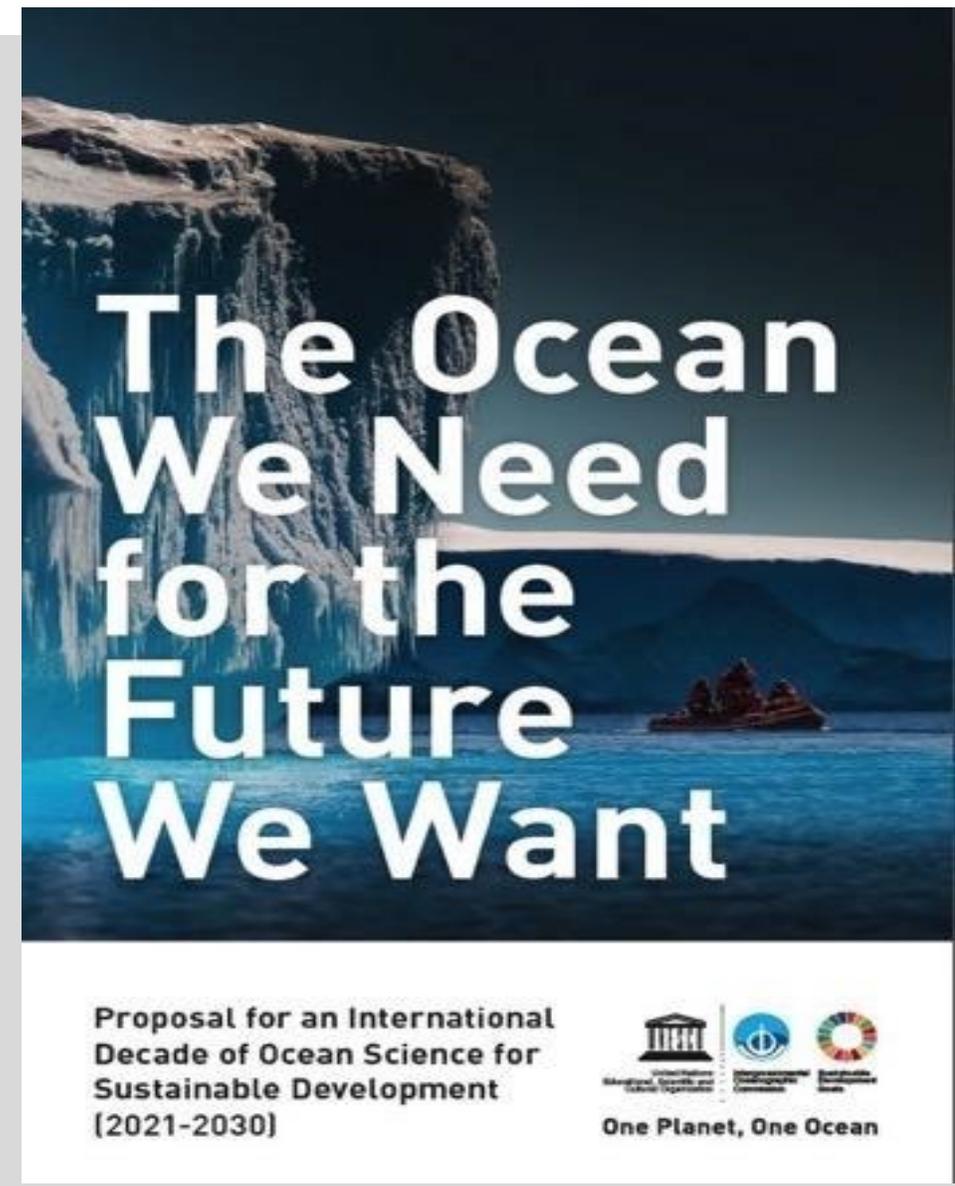
- Marine Protected Areas
- Climate Change
- Sustainable Fisheries
- IUU Fishing
- Marine Pollution, Plastics
- Sustainable Blue Economy
- Maritime Security
- Corals
- Ocean Acidification





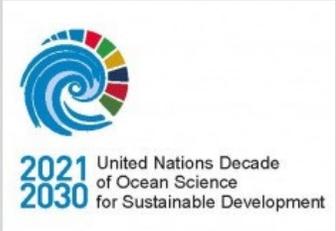
UN General Assembly Proclamation

- 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





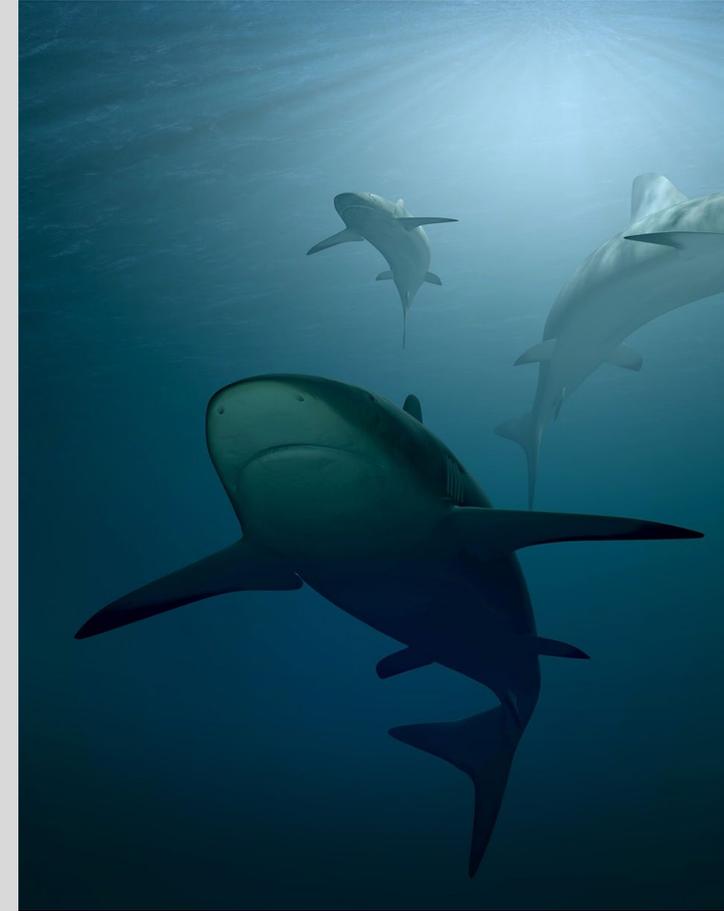
American Influence on Executive Planning Group



Decade Outcomes

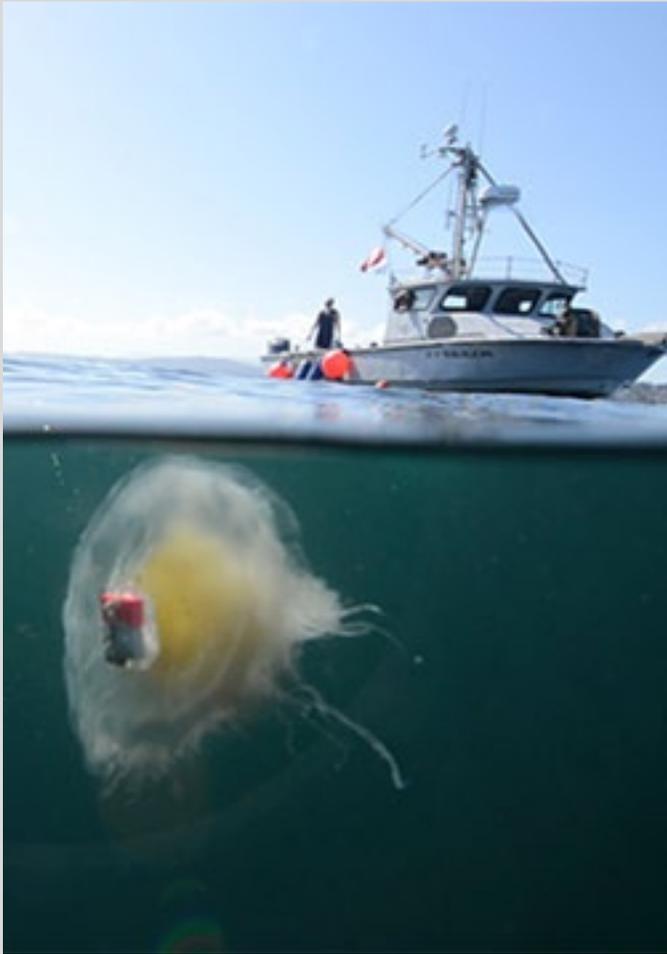
Describe the 'ocean we want' at the end of the Decade.

1. A **clean ocean** where sources of pollution are identified, reduced or removed.
2. A **healthy and resilient ocean** where marine ecosystems are understood and managed.
3. A **productive ocean** supporting sustainable food supply and a sustainable ocean economy.
4. A **predicted ocean** where society understands and can respond to changing ocean conditions.
5. A **safe ocean** where life and livelihoods are protected from ocean-related hazards.
6. An **accessible ocean** with open and equitable access to data, information, and technology and innovation.
7. An **inspiring and engaging ocean** where society understands and values the ocean in relation to human wellbeing and sustainable development.



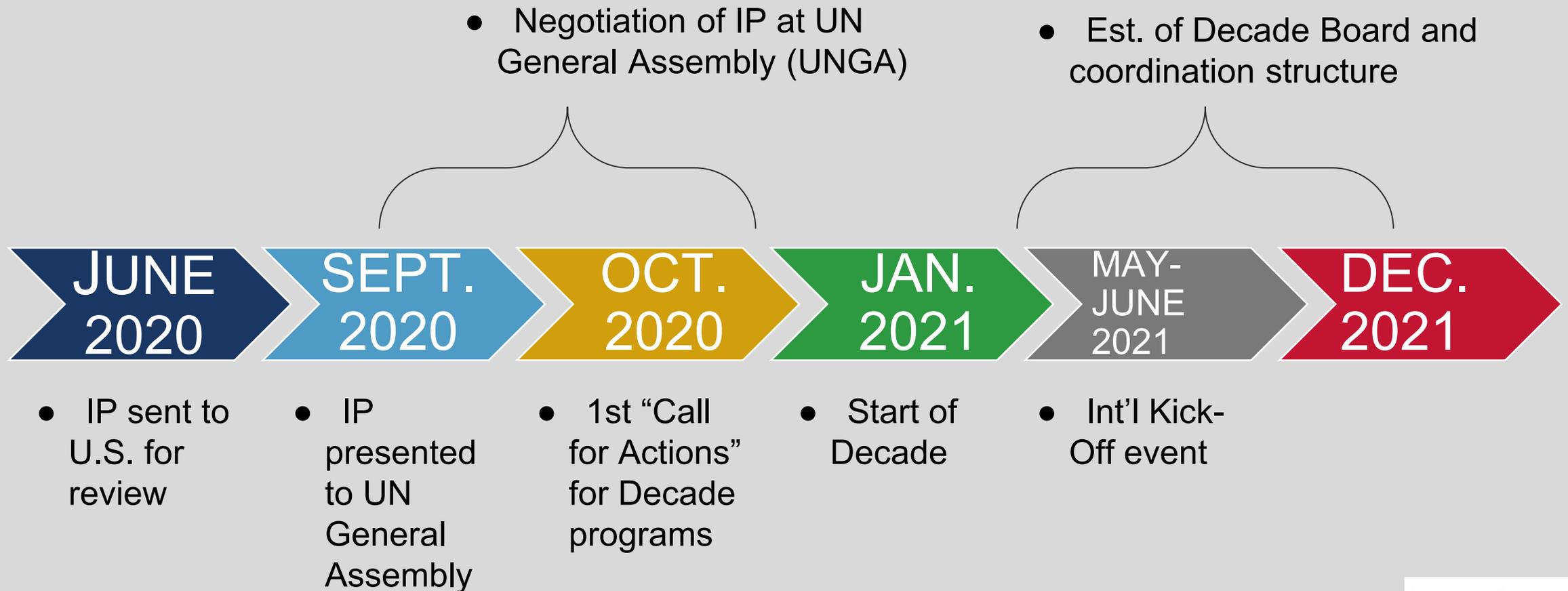
2021
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Ocean Decade Challenges



- 1) Pollution and Marine Debris
- 2) Ecosystem Protection, Restoration
- 3) Food Security, Sustainable Seafood
- 4) Economic development
- 5) Ocean-Climate Nexus
- 6) Multi-Hazard Warnings
- 7) Ocean Observing Systems
- 8) Digital Ocean Map and Data Portal
- 9) Capacity Development
- 10) Social & Behavioral Barriers to Change

Focus on Next Steps—2020-2021



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

Sources of pollution are identified and reduced or removed



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

U.S. Domestic Engagement Strategy



Raising community awareness and visibility of oceans



Recruit participation

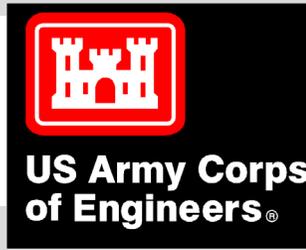


Partnerships to support Decadal vision



2021 2030 United Nations Decade of Ocean Science for Sustainable Development

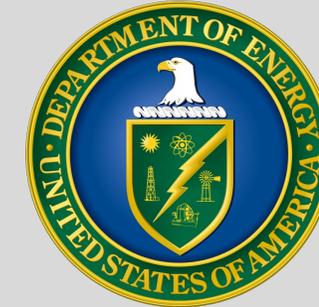
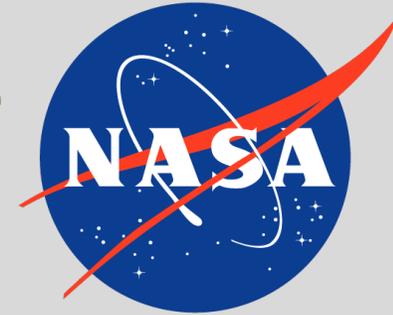
Federal Agencies



USAID
FROM THE AMERICAN PEOPLE



Smithsonian



NGO Outreach



CONSERVATION INTERNATIONAL



The National Academies of SCIENCES ENGINEERING MEDICINE



Expanding Our Outreach



SAB Influence



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Contribute to the U.S. planning process



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Foster/Institutionalize multidisciplinary science approach to increase science capacity & impact



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Make recommendations to NOAA



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Encourage Nexus Organizations
(Visit nas.edu/oceandecadeus for more information)



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Communicate about the Decade



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MORE INFORMATION

Contact

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

Social media:



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ioc_unesco

A photograph of a ship's deck at sunset. In the foreground on the left, a metal frame holds several numbered gas cylinders (1-5). In the background, the sun is low on the horizon over the ocean. On the right, two crew members in hard hats are visible. A semi-transparent blue rectangle is overlaid across the center of the image, containing the text 'THANK YOU' in white, bold, sans-serif font.

THANK YOU