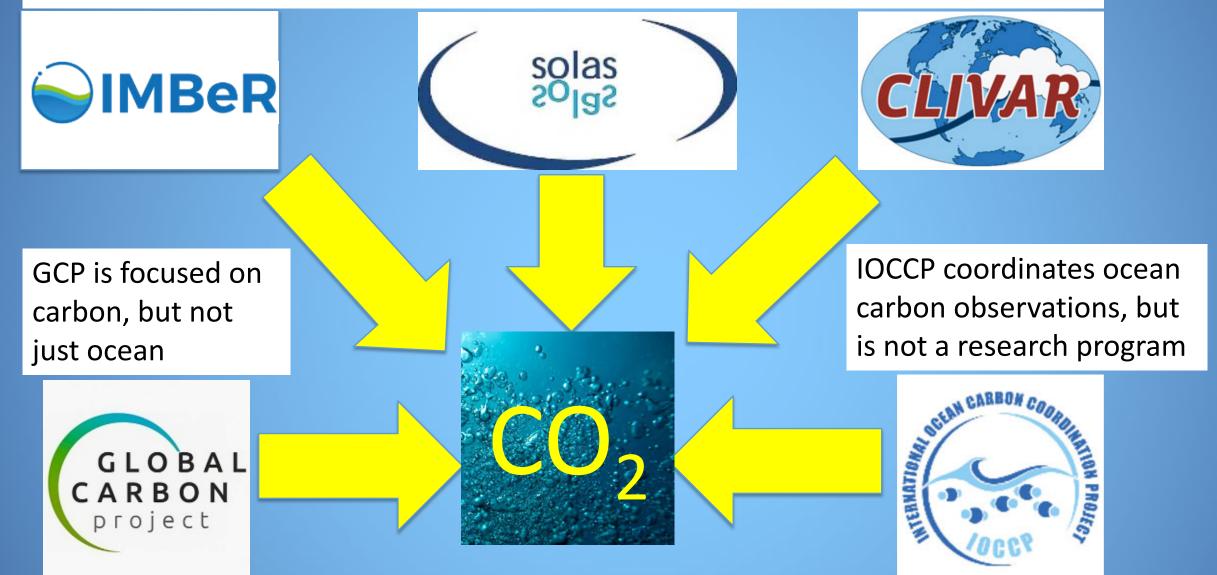
Integrated Ocean Carbon Research (IOC-R) A formal IOC working group sponsored by:



Global Research Programs where ocean carbon is only one aspect of their mission





GENERAL ASSEMBLY OF THE UNITED NATIONS

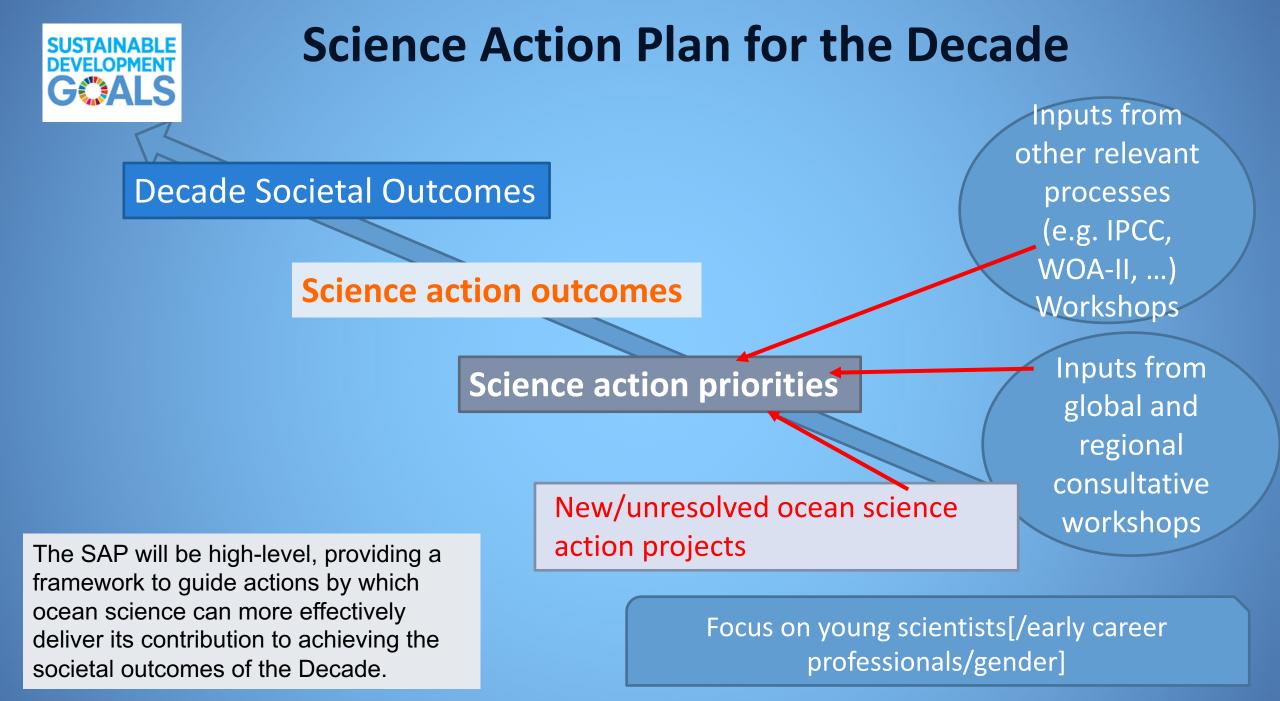
Omnibus Resolution for Oceans and the law of the sea (A/RES/72/73) of 6 December 2017

- Proclaimed the <u>UN Decade of Ocean Science for Sustainable</u> <u>Development 2021-2030</u> and called upon the IOC to prepare an implementation plan for the Decade in consultation with [multiple stakeholders]
- Invited the UN SG to inform the UNGA about the implementation of the Decade through his report on oceans and the law of the sea based on information provided by IOC

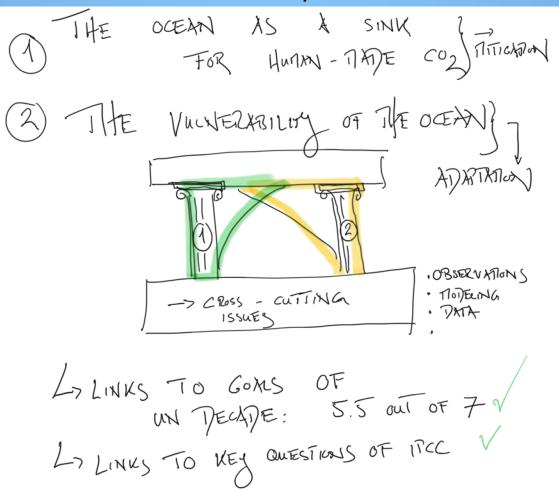


Proposal for an International Decade of Ocean Science for Sustainable Development (2021-2030)





Expert Workshop on Integrated Ocean Carbon Research (IOCR) IOC-UNESCO Headquarters, Paris, France Oct. 28-30, 2019



Participants: 34 Countries: 16

Mission: The Integrated Ocean Carbon Research (IOC-R) effort aims to address key issues in ocean carbon research through a strategy of research and observational goals.

Four Key Questions

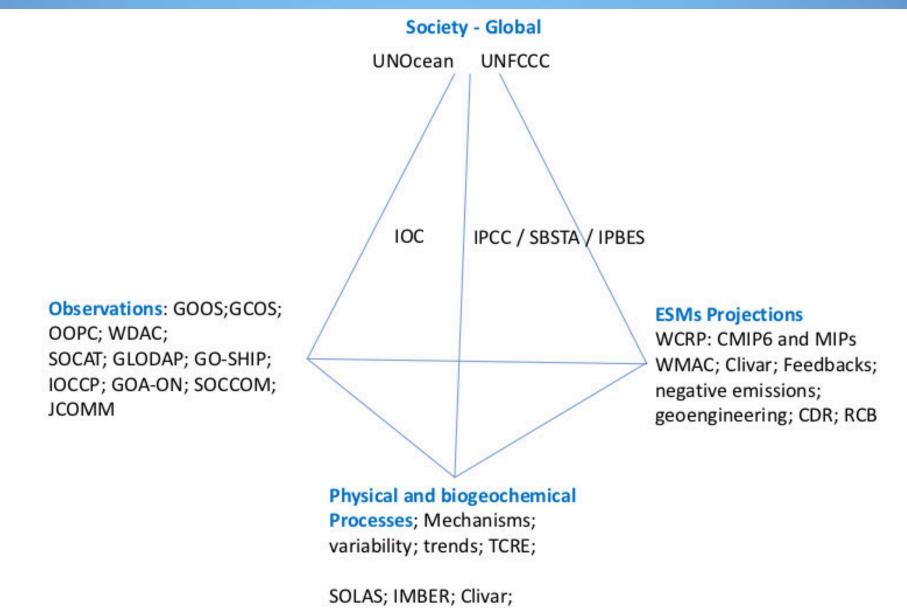
- 1. Will the ocean uptake of anthropogenic CO₂ continue as primarily an abiotic process?
- 2. What is the role of biology in the ocean carbon cycle?
- 3. What are the exchanges of carbon between the land-ocean continuum and how are they evolving over time?
- 4. How are humans altering the ocean carbon cycle?

Approaches

- Evaluate the opportunities and challenges
- Solidify and expand the network of core ocean carbon observations
- Develop regional priorities
- Consider what new process studies and experiments are needed
- Identify new tools and approaches that can be applied to these questions
- > Emphasize the integration of models and observations
- Consider the ocean's role in climate solutions- mitigation approaches

> Propose oversight and management mechanisms for an integrated carbon program

Many Different Parts





United Nations Educational, Scientific and Cultural Organization

c 2021 United Nations Decade of Ocean Science for Sustainable Development

One Planet, One Ocean

Thank You

For

Your Time