



**2021  
2030** United Nations Decade  
of Ocean Science  
for Sustainable Development

Dr Vladimir Ryabinin  
Executive Secretary  
IOC of UNESCO



**(IIOE-2 SC3)**

**12 March 2019**

**Nelson Mandela University,  
Port Elizabeth, South Africa**

# Ocean in the UN Frameworks



+ BBNJ



Convention on  
Biological Diversity



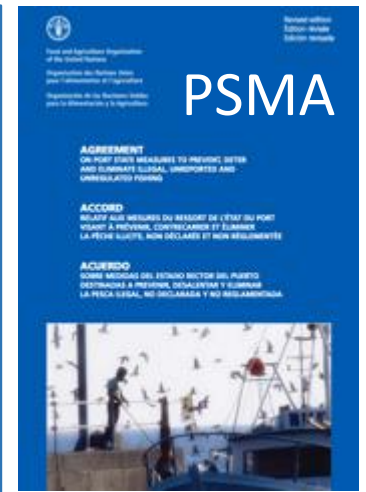
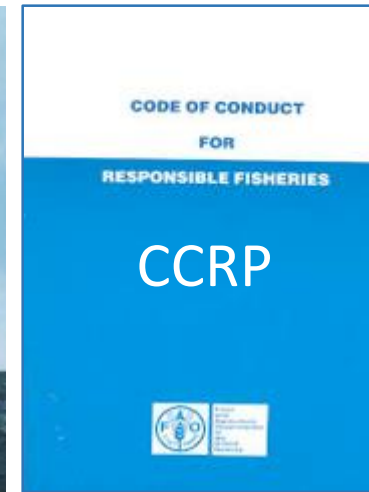
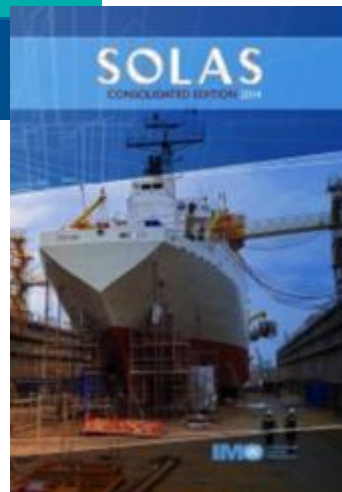
Sendai Framework for Disaster Risk Reduction

2015 - 2030



UN Conference on  
Small Island  
Developing States  
Apia, Samoa | 2014

SAMOA  
PATHWAY



# *Growing Awareness: Conferences, Groups, NGOs, Days*



THE  
**OCEAN  
CONFERENCE**  
UNITED NATIONS, NEW YORK, 5-9 JUNE 2017



WORLD  
ECONOMIC  
FORUM

SUSTAINABLE  
BLUE ECONOMY  
CONFERENCE  
NAIROBI, KENYA  
26<sup>th</sup> - 28<sup>th</sup> November 2018



UN DESA

**9 Communities  
of Ocean Action**

**Friends of Ocean  
Action**



**UN Global Compact Sustainable  
Ocean Business Action Platform**



**High-Level Panel  
on Sustainable  
Blue Economy**

NGOs:



International days:

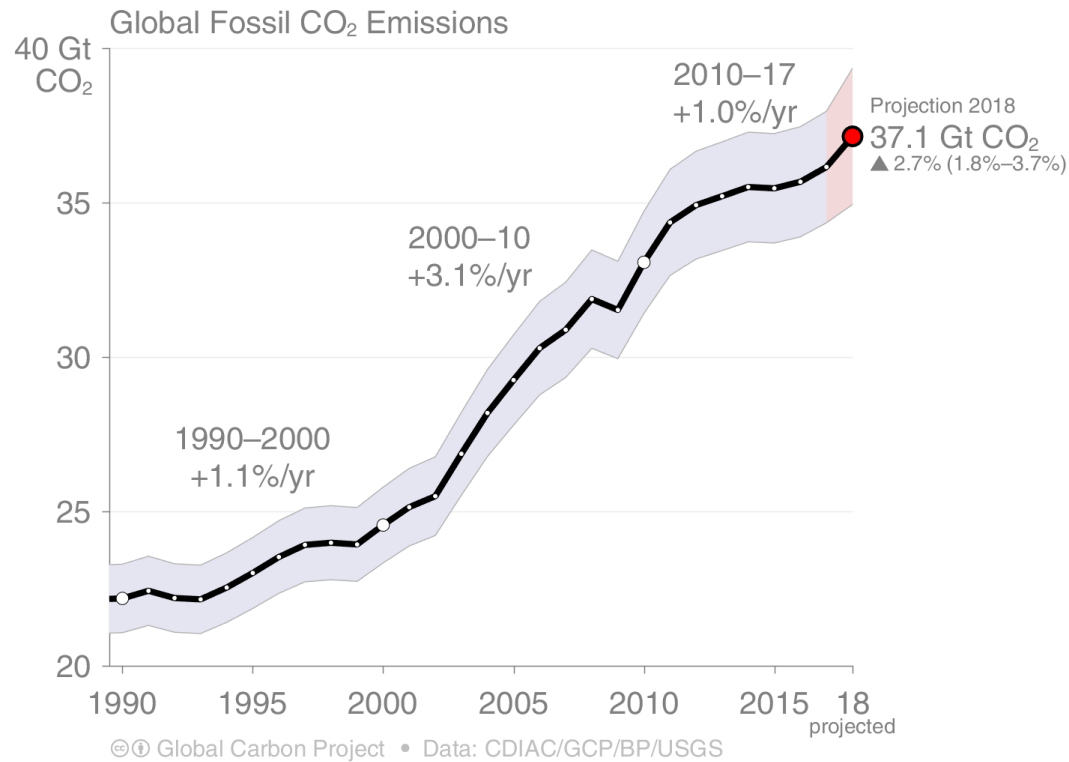


**WORLD  
TSUNAMI  
AWARENESS  
DAY**  
5 NOVEMBER  
2017

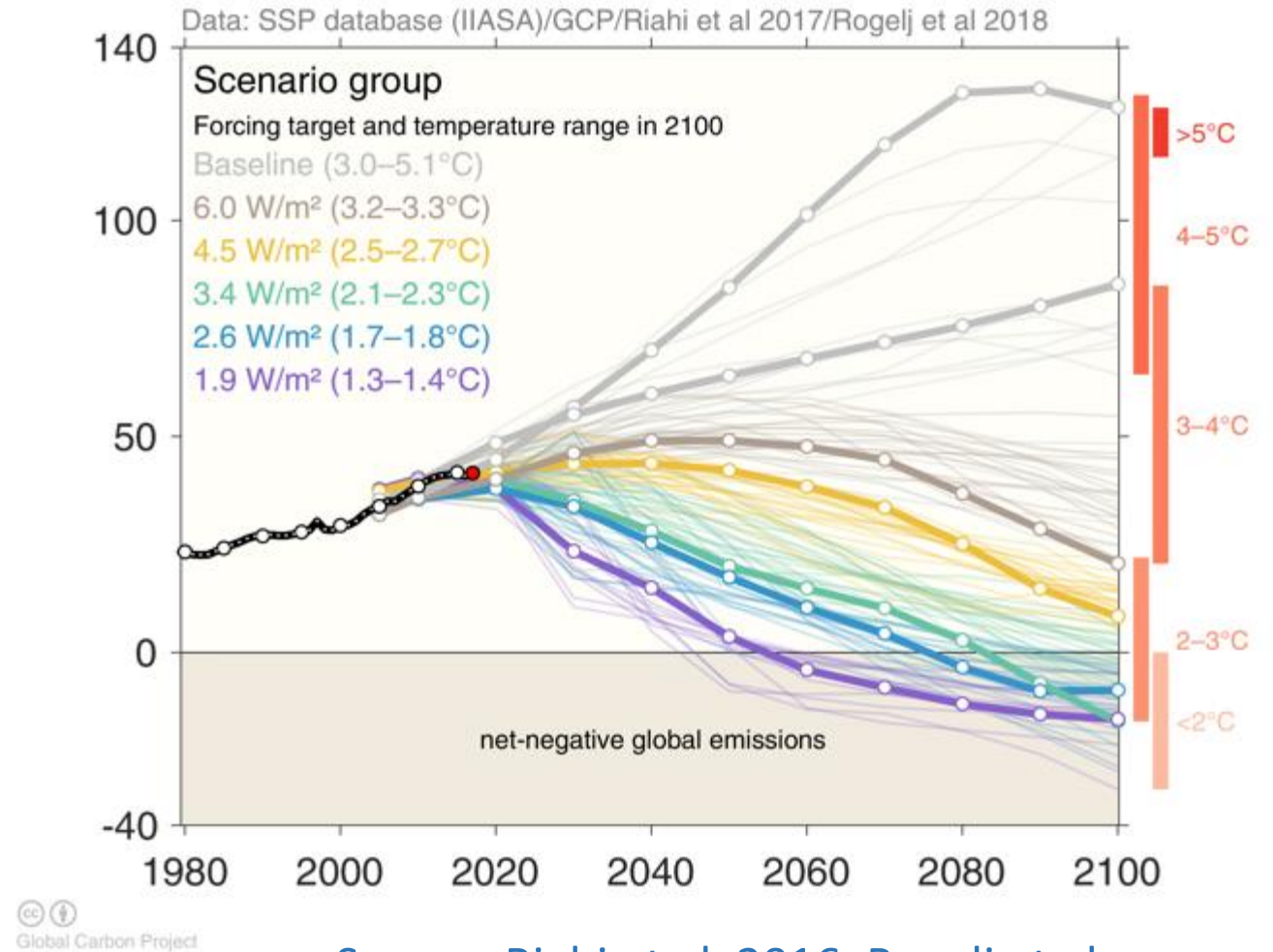


# Reality Check: Where Are We?

## Carbon Emissions and the Shared Socioeconomic Pathways

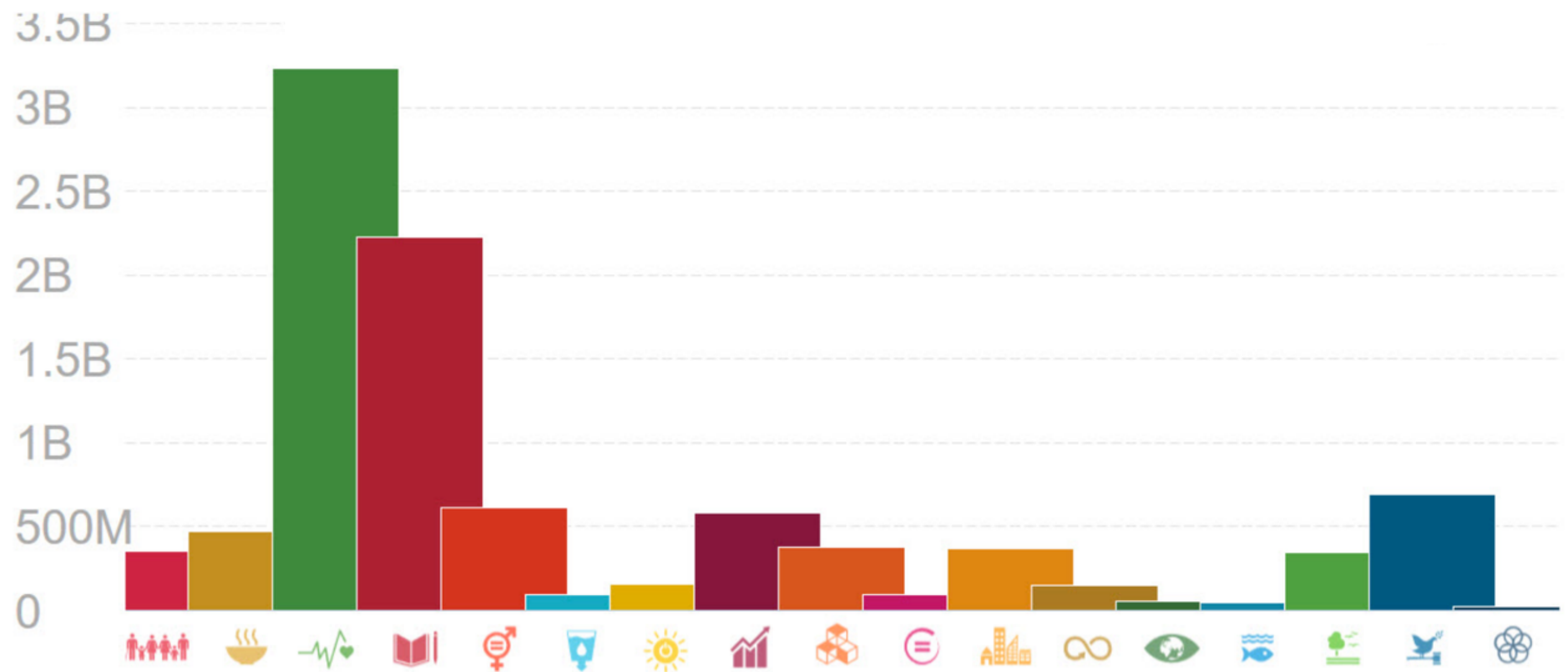


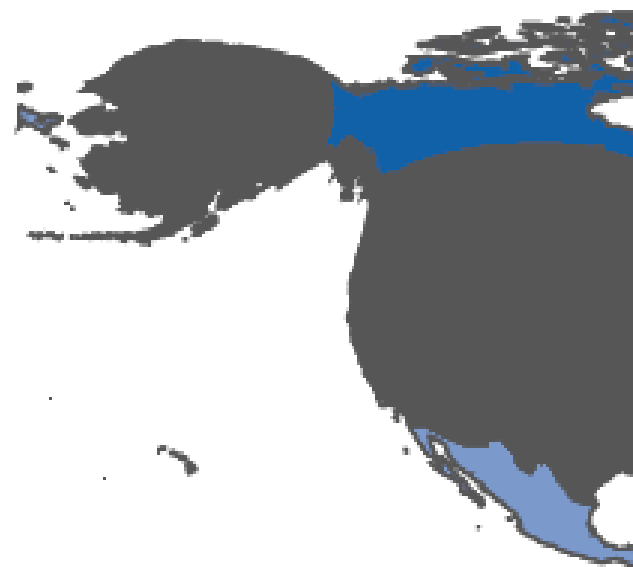
Source: [CDIAC](#); [Le Quéré et al 2018](#);  
[Global Carbon Budget 2018](#)



Source: [Riahi et al. 2016](#); [Rogelj et al. 2018](#); [IIASA SSP Database](#); [IAMC](#);  
[Global Carbon Budget 2018](#)

## Distribution of Foundation Funding by SDG for 2016+

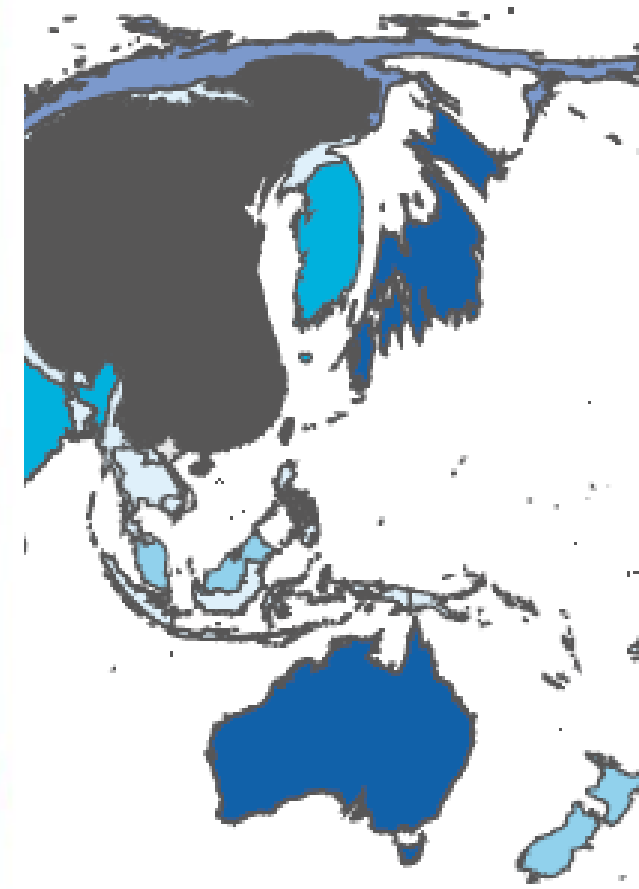




Science-Metrix N° Papers



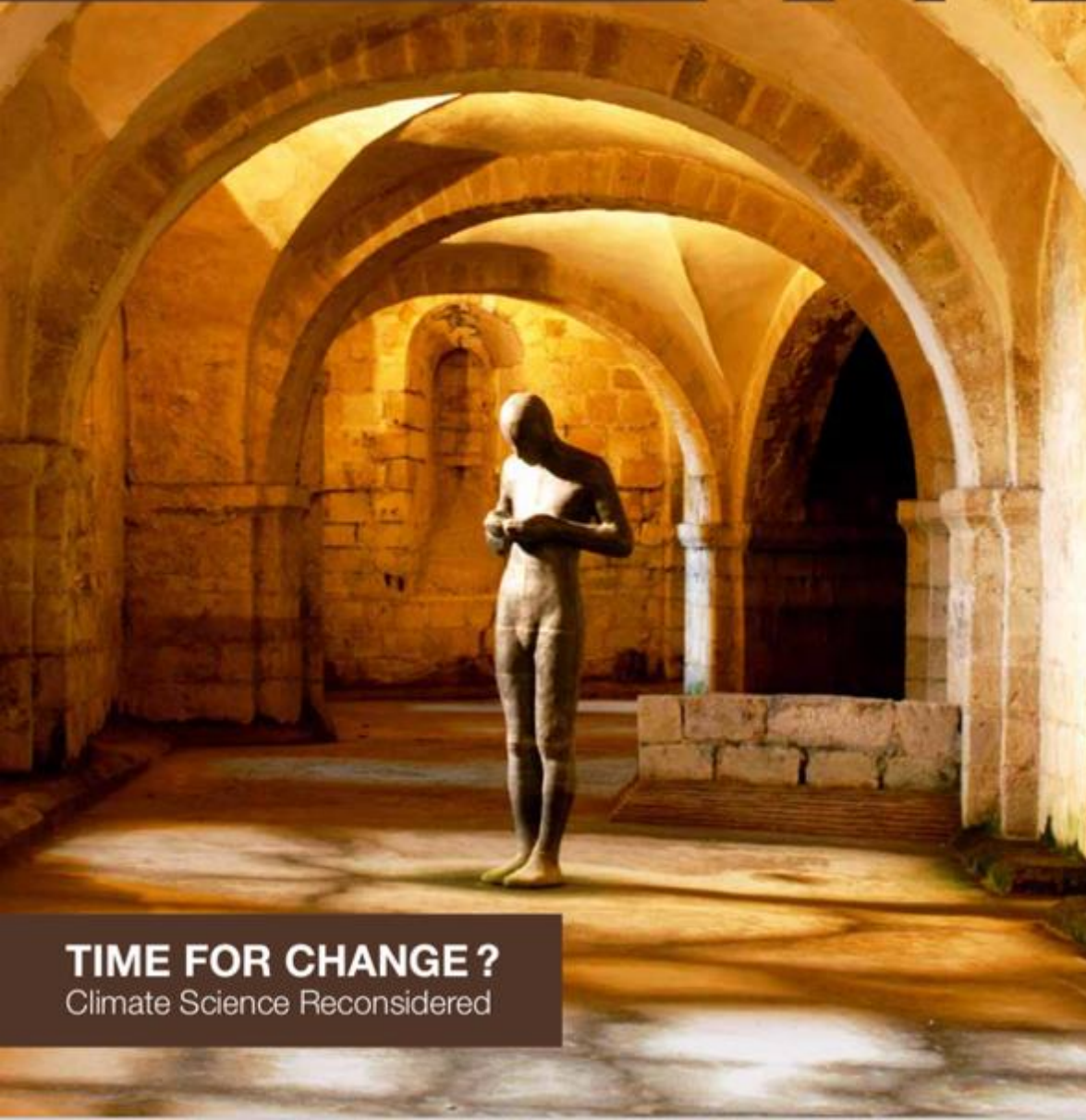
The Current Status  
of Ocean Science  
around the World



research agencies,  
ing for natural sciences



# UCL



**TIME FOR CHANGE ?**  
Climate Science Reconsidered



**Jane Lubchenko**

**New social contract  
for natural science**

The ocean science remains *voluntary*, while starting to support *legally-binding treaties* and address *existential issues*.

It is grossly *under-resourced*. The *governance is weak*. *Capacity is very unevenly distributed*.

Oceanography is *fit for highlighting problems* but is only *starting to systematically provide solutions*.

It needs *mainstreaming*.

# The Ocean We Need for the Future We Want

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



# The Science We Need for the Ocean We Want



The United Nations  
Decade of Ocean Science  
for Sustainable Development  
(2021-2030)





INTERGOVERNMENTAL OCEANOGRAPHIC COMMISSION  
(of UNESCO)

Fifty-first Session of the Executive Council  
UNESCO, Paris, 3–6 July 2018

## ROADMAP

Item 4.1 of the Revised Provisional Agenda

### A Vision for the Decade

Develop scientific knowledge, build  
infrastructure and foster partnerships  
for a sustainable and healthy ocean

# The Science We Need for the Ocean We Want



The United Nations  
Decade of Ocean Science  
for Sustainable Development  
(2021–2030)



2021 United Nations Decade  
2030 of Ocean Science  
for Sustainable Development



# Expected Societal Outcomes of the Decade

**A clean Ocean**



**A healthy & resilient Ocean**

**A predicted Ocean**



**A safe Ocean**

**A sustainable & productive Ocean**



**A transparent & accessible Ocean**



United Nations  
Educational, Scientific and  
Cultural Organization

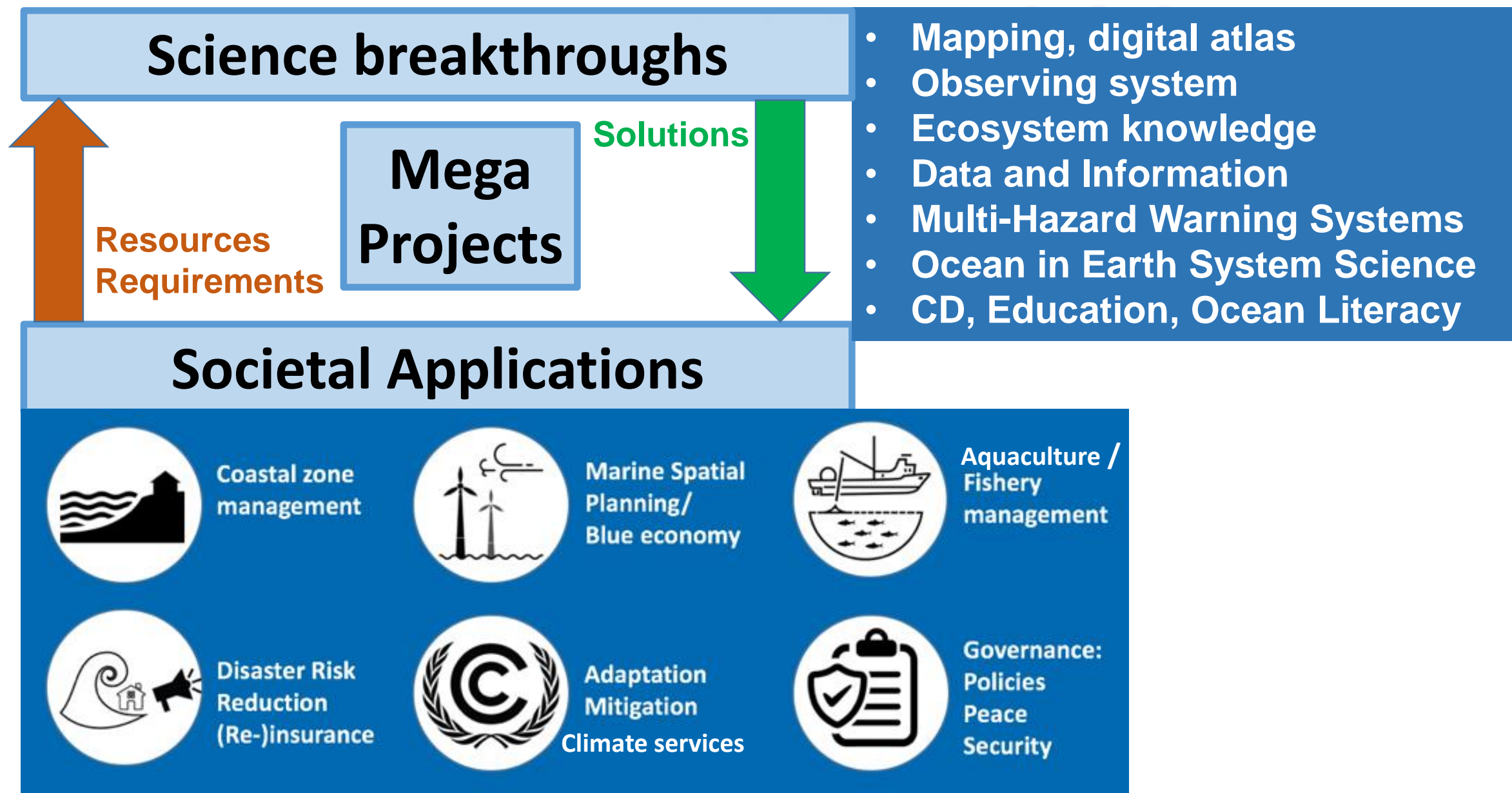


Intergovernmental  
Oceanographic  
Commission



2021  
2030  
United Nations Decade  
of Ocean Science  
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# UN Decade of Ocean Science for Sustainable Development



# WHO DO WE NEED TO ENGAGE?

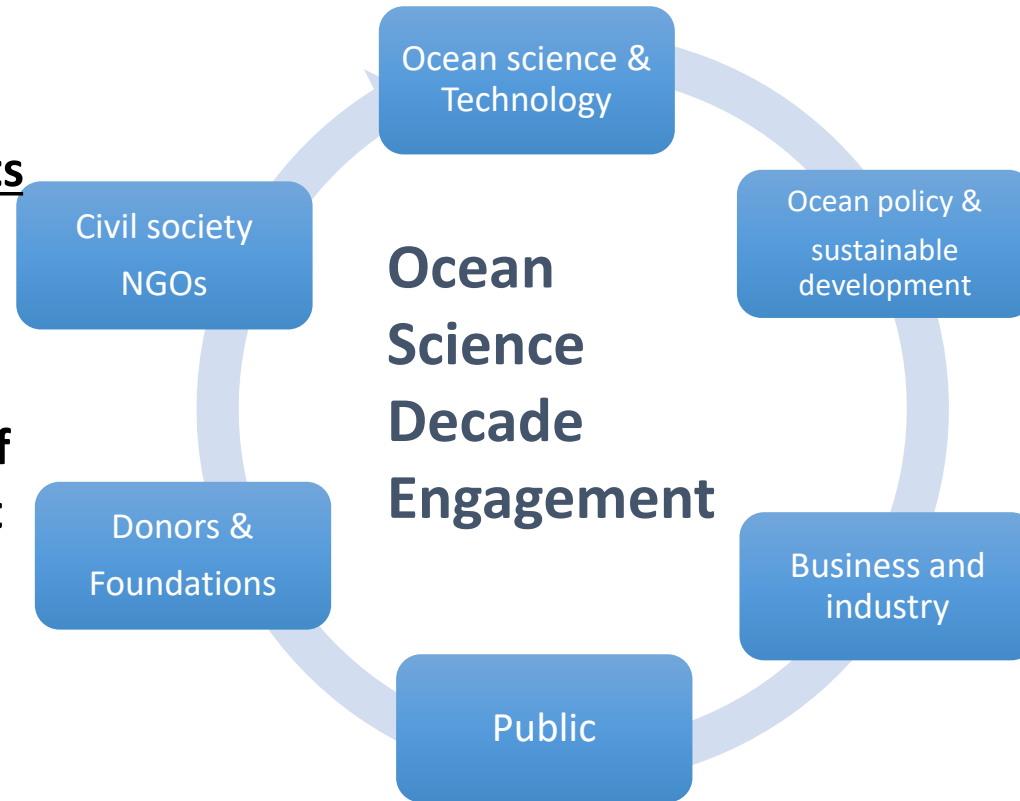
Formulates priorities, advances and aligns the agenda for global ocean science and increased uptake

Give evidence base, prioritization advice and voice to civil society interests

Actively help policy makers (at all levels) finding solutions to ocean sustainability challenges

Alignment and leverage of investment in high impact global ocean research

Access to tools and information required to find solutions to ocean sustainability and secure investments in the blue economy



Access to new information leading to increased awareness and ocean literacy, triggering behavioral changes



United Nations  
Educational, Scientific and  
Cultural Organization

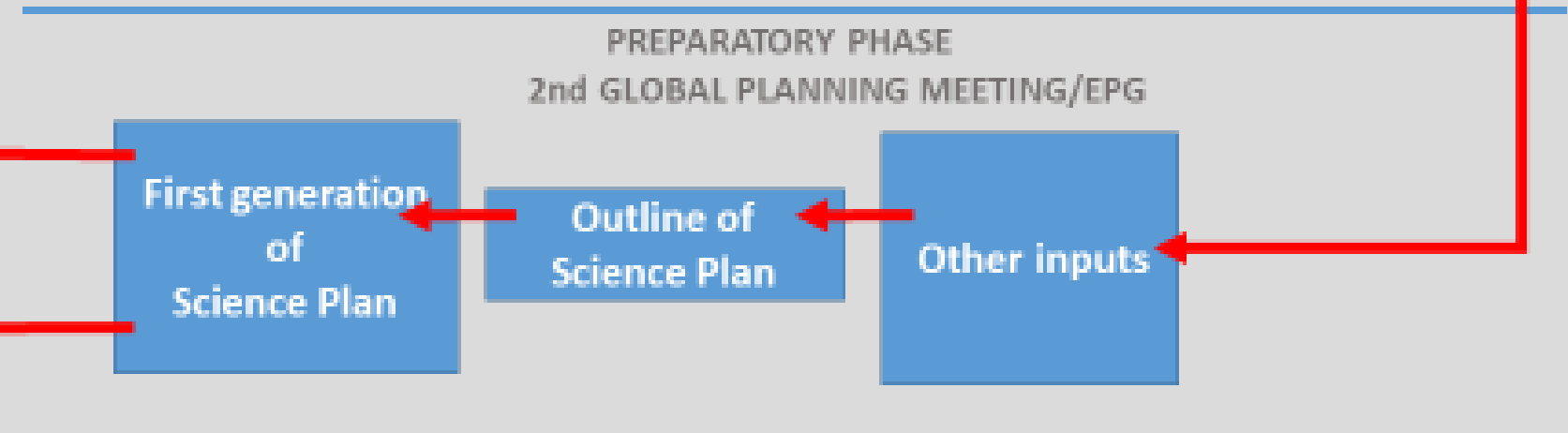
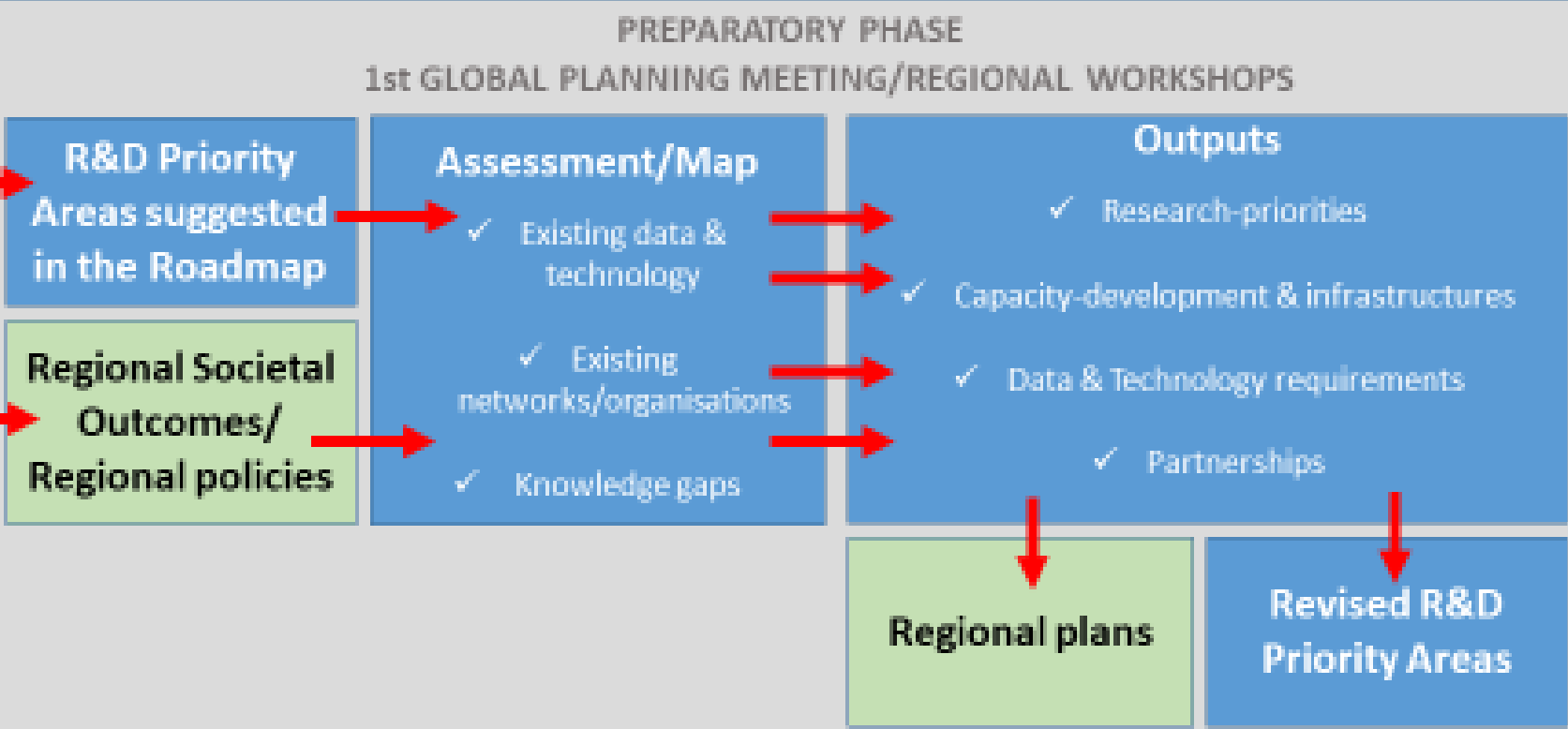
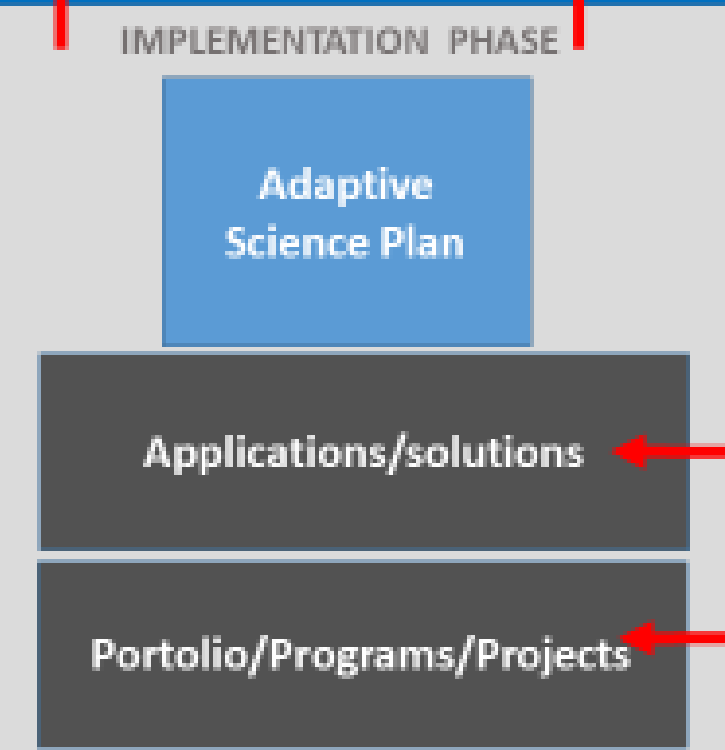


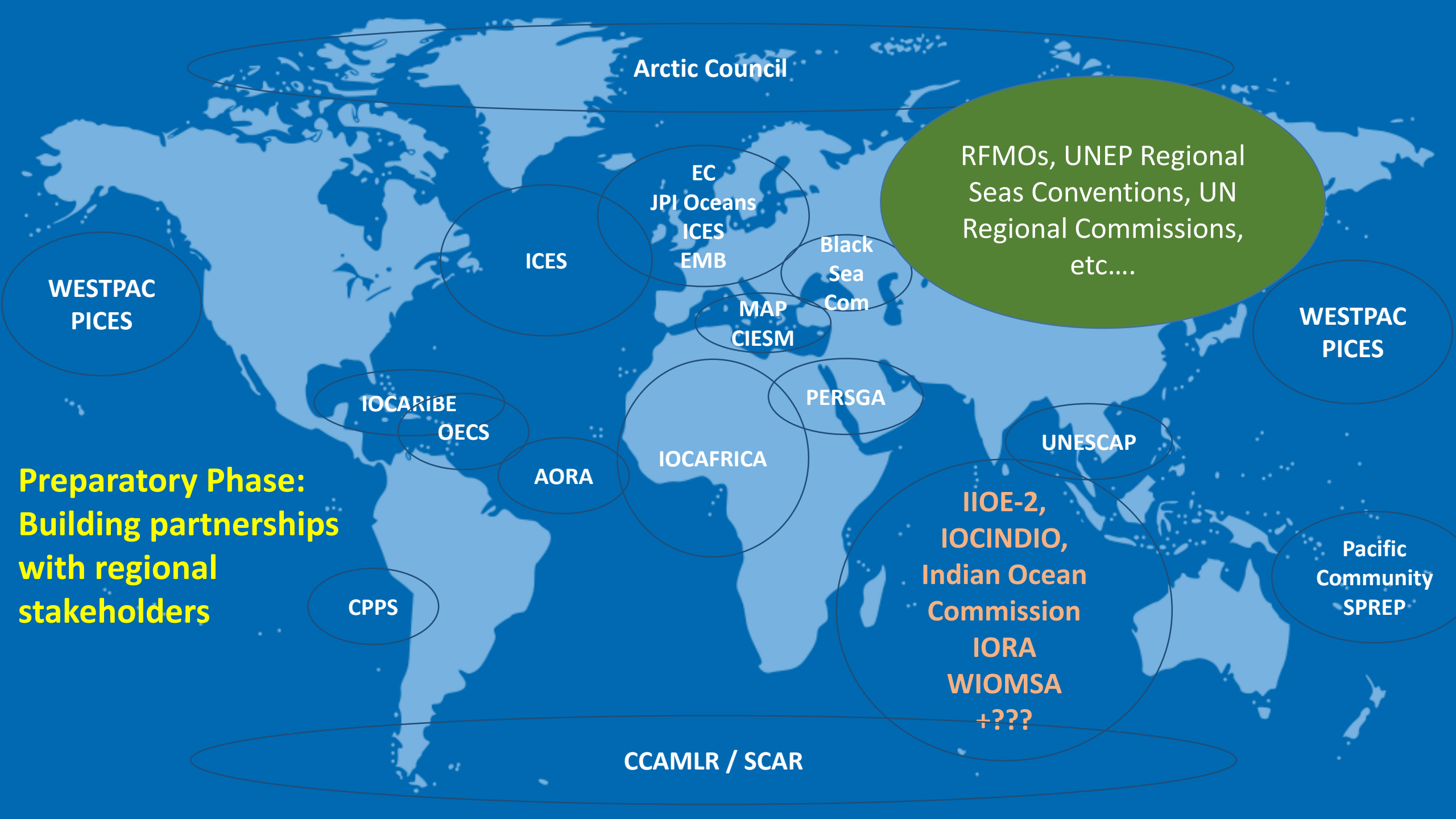
Intergovernmental  
Oceanographic  
Commission



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PLANNING & CONSULTATIVE M  
CONCEPTUAL FRAMEWORK





**Preparatory Phase:**  
**Building partnerships**  
**with regional**  
**stakeholders**