

Oceanographic research and capacity development in support of SDG implementation

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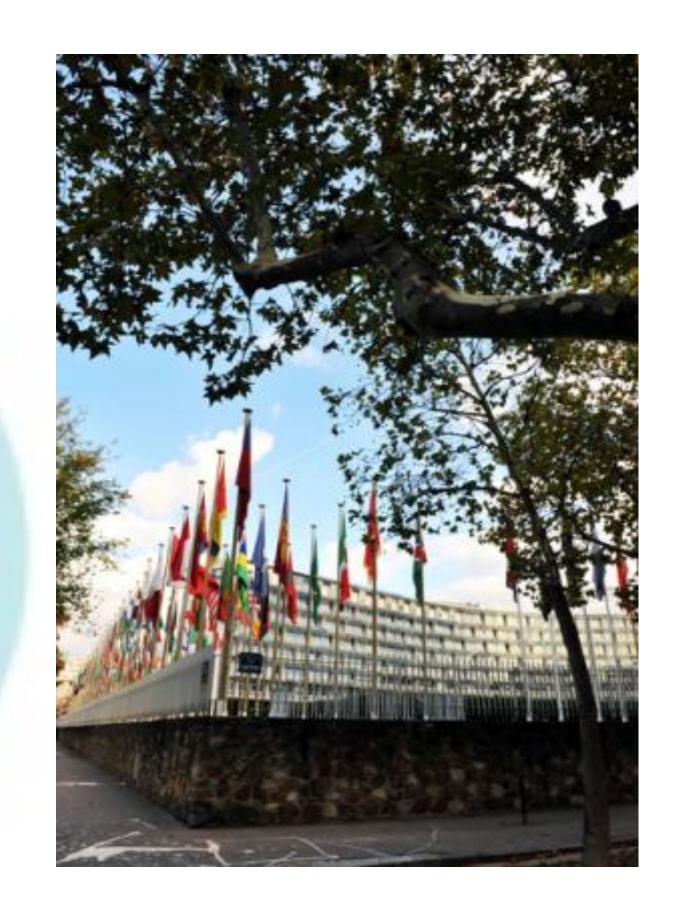


The Intergovernmental Oceanographic Commission of UNESCO:

The only intergovernmental body in UN specializing in ocean science, services, observations, data exchange and capacity development 1960, 147 Member States

Objectives:

- * Healthy ocean
- * Early warning for ocean hazards
- * Resilience of society and ecosystems to climate change & variability
- * Knowledge of emerging issues









Paris, 2 October 2015

Sustainable Development Goals











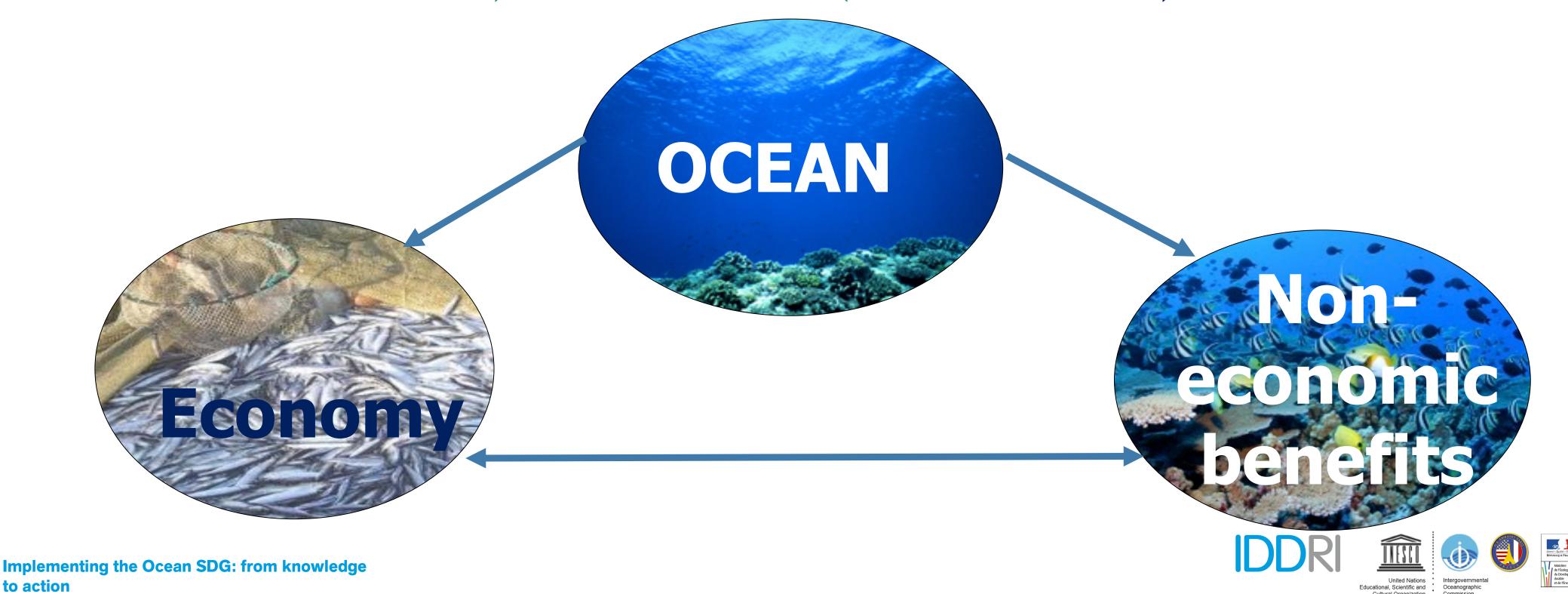


3 Pillars for Ocean Post-2015 Agenda

1) SDGs including the SDG on the Ocean (n.14) and Climate Regime

2) Post 2015 Disaster Risk Reduction Framework

3) Blue Growth (Blue Economy)



GOAL 14

CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

Observations
Research
Governance
Legal basis
Economy
Stakeholders
Capacity
development
Technology
transfer

- Reduce marine pollution of all kinds
- Manage and protect marine and coastal ecosystems
 - ion A
- Minimize and address the impacts of ocean acidification
- Eliminate over+IUU fishing, use science based management to restore fish stocks
- Conserve > 10% of coastal and marine areas
- Prohibit fisheries subsidies
- Blue Economy for SIDS and LDC including sustainable management of fisheries, aquaculture and tourism
- Use IOC Criteria and Guidelines on the Transfer of Marine Technology to ensure that SIDS and LDCs benefit from marine biodiversity
- Provide access for small-scale artisanal fishers to marine resources and markets
- Use UNCLOS for conservation and sustainable use of oceans and their resources



State of Knowledge for Ecosystem Services



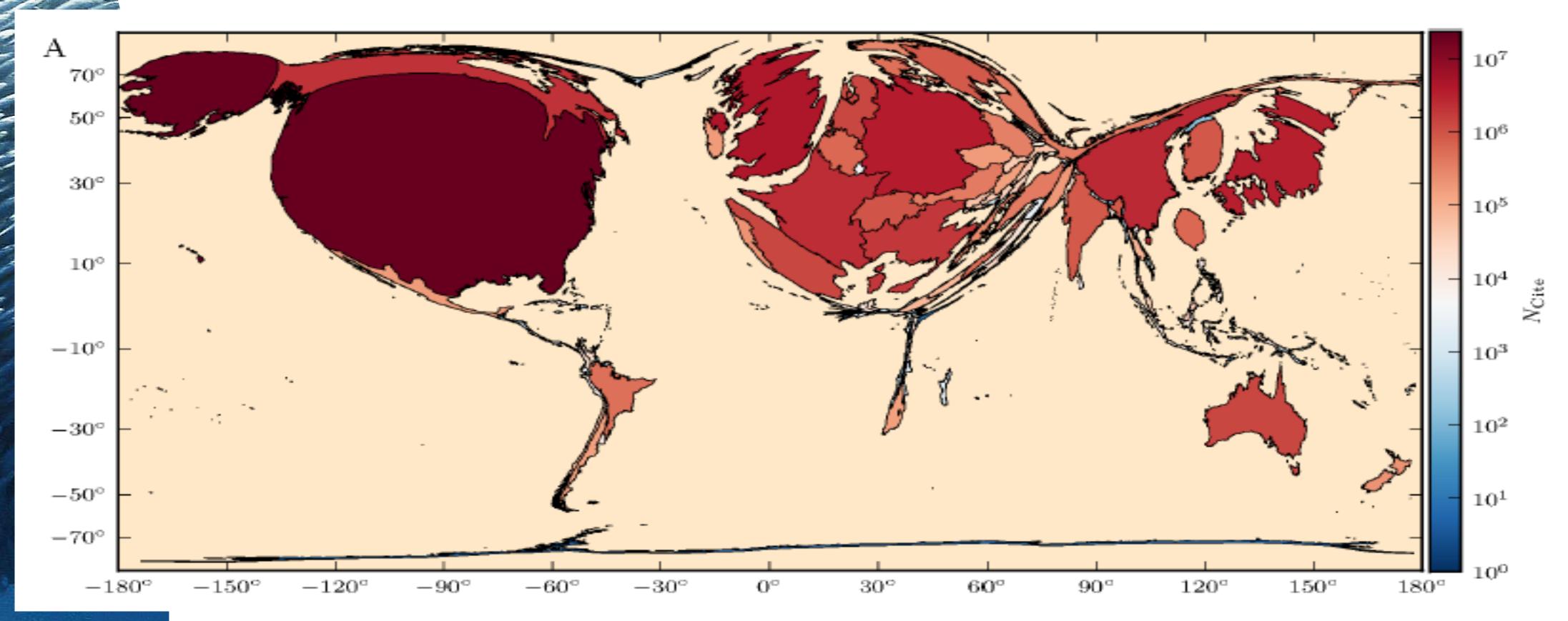








A distorted World ...



Global Science Citation map

Area of each country is scaled and deformed according to the number of citation received



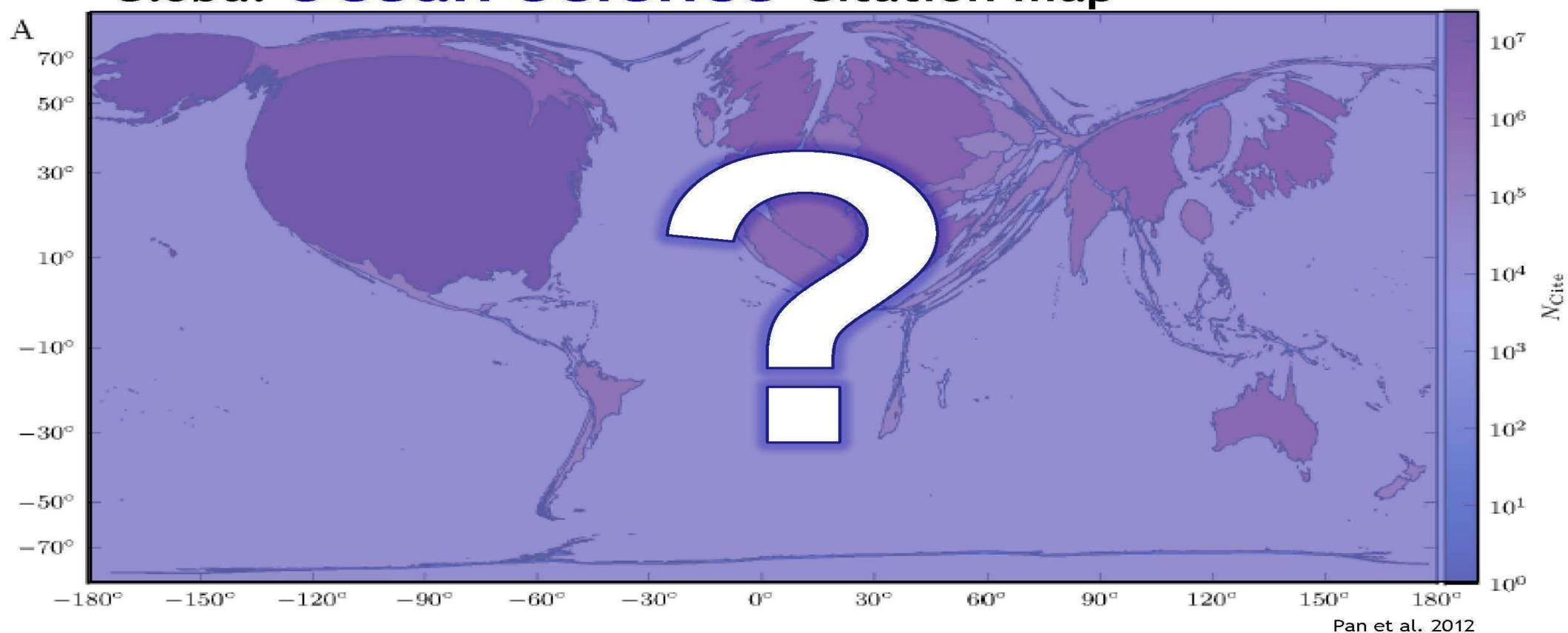






GLOBAL OCEAN SCIENCE REPORT

Global Ocean Science Citation map



Area of each country is scaled and deformed according to the number of citation receive







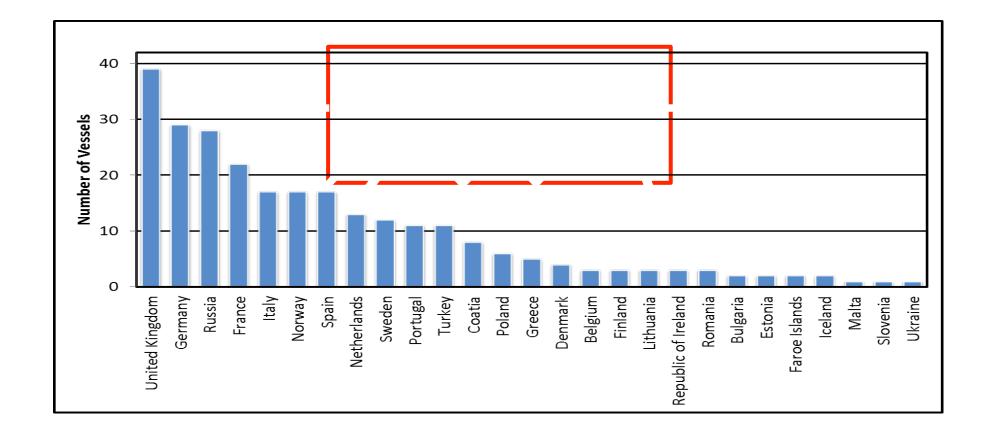


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Global Ocean Science Report

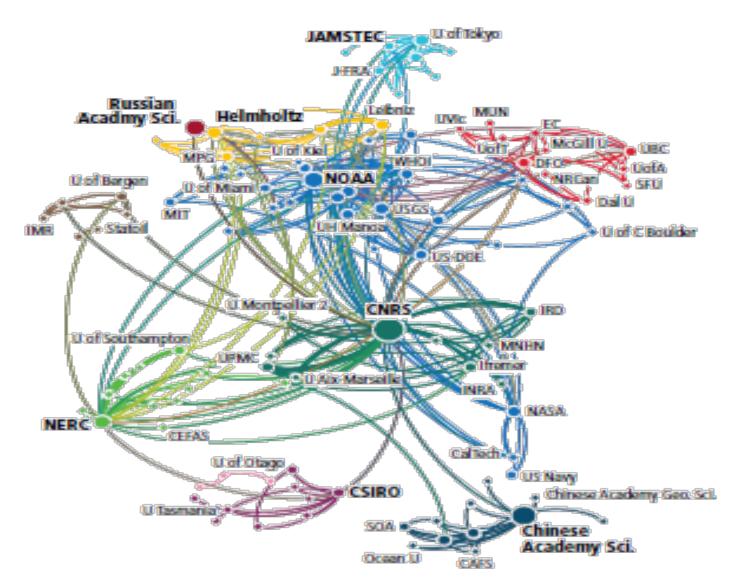
AT PRESENT -

No global mechanism for assessing and reporting on the level of human capacity, technology, investments, and needs of nations in ocean and coastal science, observations and services.



GOSR -

Tool for the SDG on the Ocean, to optimize the sustainable use of marine resources, with regard to the needs of developing countries, including capacitybuilding & transfer of knowledge and technology









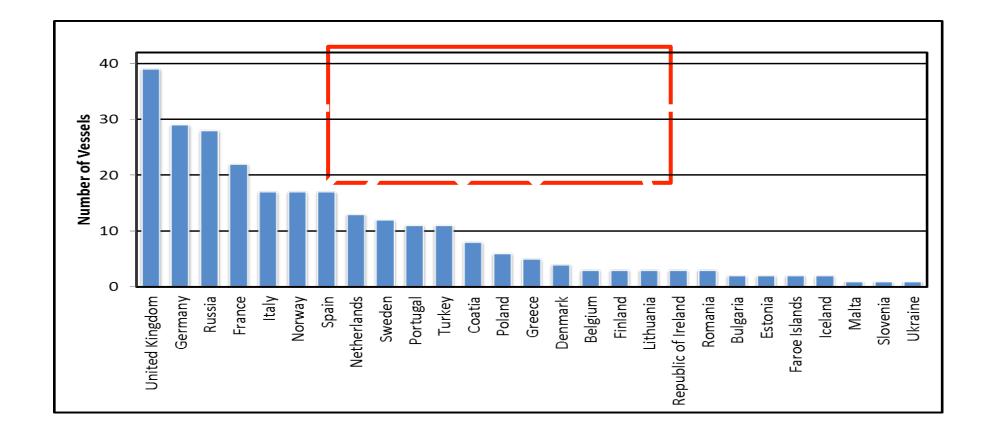


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Global Ocean Science Report

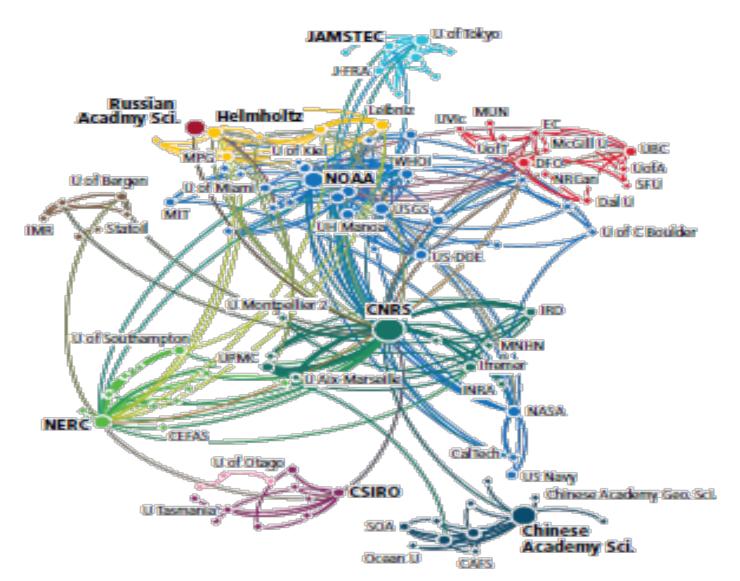
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Ocean Research Partnership?



Cultural Organization



?

?



Projects, activities, initiatives



?

?



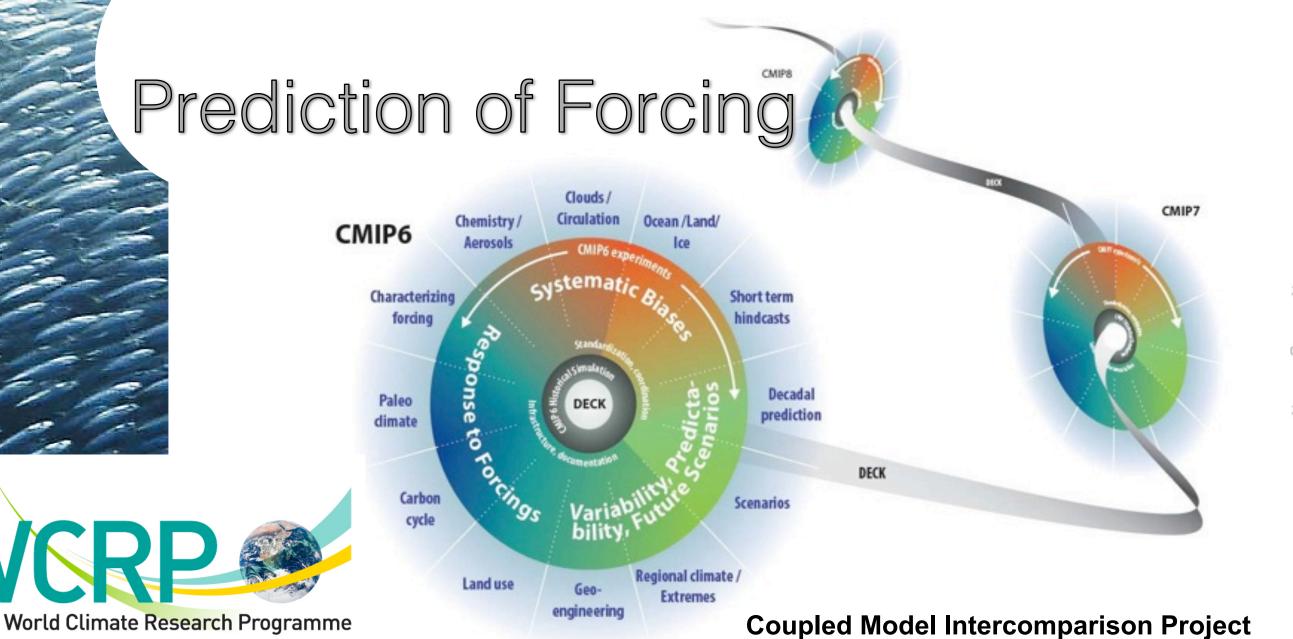




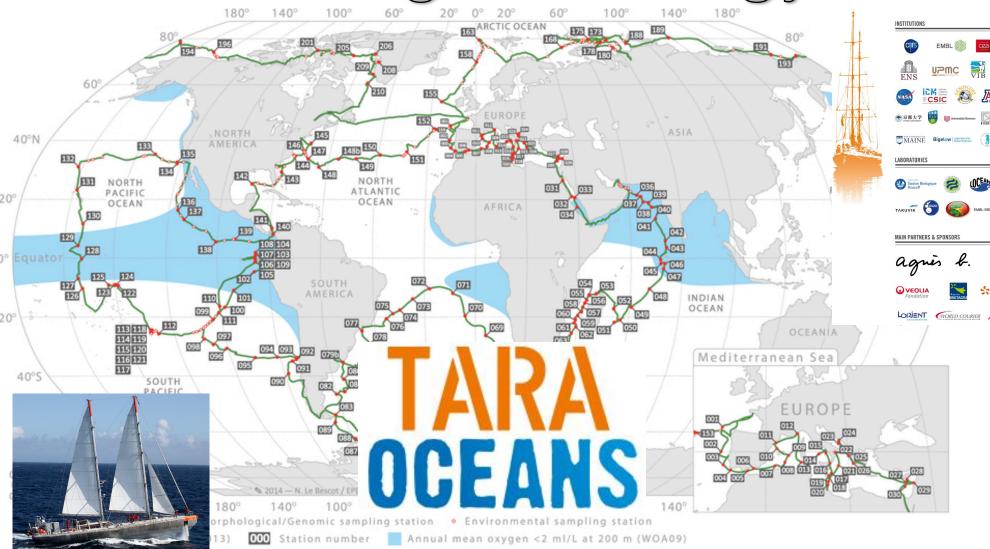


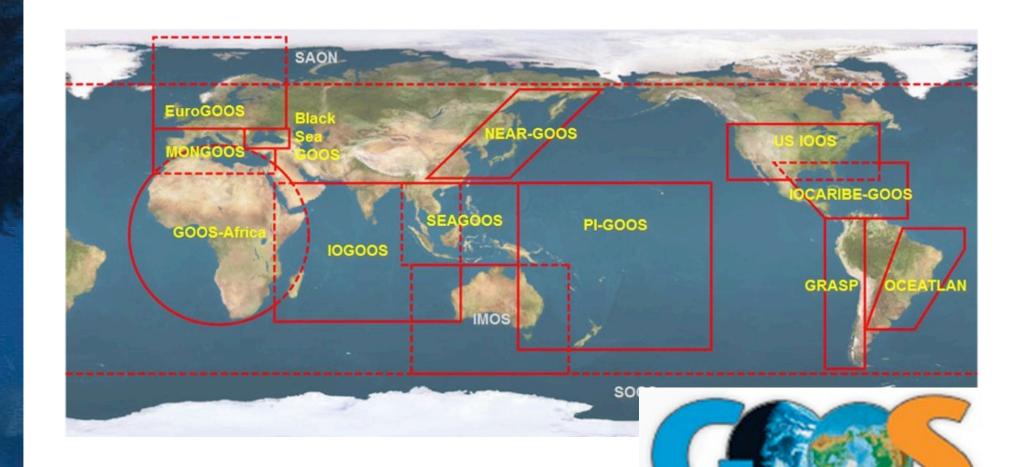


What kind of project may be needed?



Breakthrough in biology



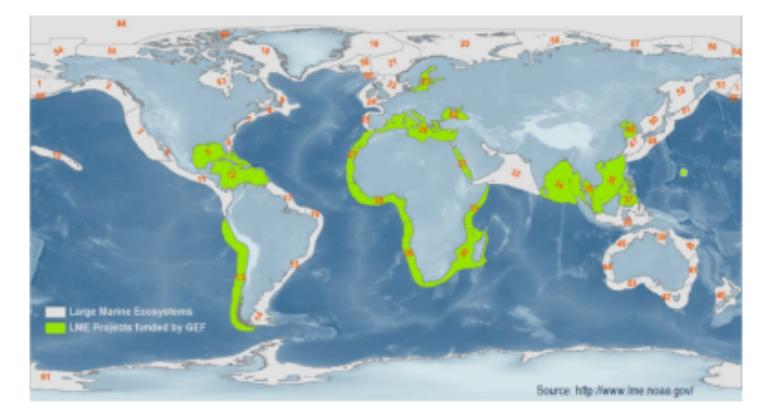


Global Ocean Observing System

Implementing the Ocean SDG: from knowledge

Paris, 2 October 2015

to action













Donor country/ Private sector

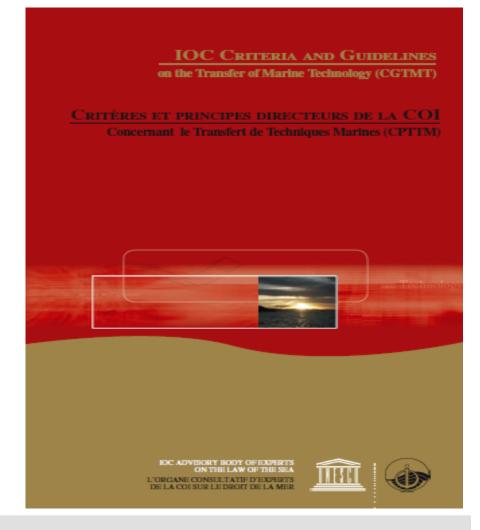
•Strategic planning, including TMT component

Availabilities of marine technologies for transfer

IOC Criteria and Guidelines on Transfer of Marine Technology

Clearinghouse Mechanism (CH)

- Identify providers and describe types of technology
- •Identify existing projects with TMT functions.
- •Establish a regional/sub-regional focal point on TMT, preferably within its regional structure.
- Devise possible cooperation schemes, and facilitate contacts between identified donors and recipient countries
- Provide assistance for TMT implementation (expert mission, training, assessment of results)
- Enhance accountability and reporting on TMT implementation status
 - Facilitate UN coordination on TMT



Recipient country

•Strategic planning, including TMT component

Needs for marine technology transfer

Post-2015 Technology Facilitation Mechanism?











Conclusion (partially based on IOC CD Survey of 2013)

- Consolidated ocean research is needed for most of SDGs
- Massive advances needed in marine biogeochemistry and biology and translation of the results into ecosystem management knowledge. All elements of such breakthrough research exist.
- SDG14 can give a new consolidating perspective to currently dominant project-oriented research
- May need national ocean research policies in support of SD
- Regional/global/specialized Transfer of Marine Technology mechanisms needed

Merci! Thank you! Cпасибо!





