



Flanders, FUST, and IOC

**Dr Vladimir Ryabinin
Executive Secretary,
IOC of UNESCO**



Brussels, 14 May 2018

Flanders UNESCO Trust Fund for Science

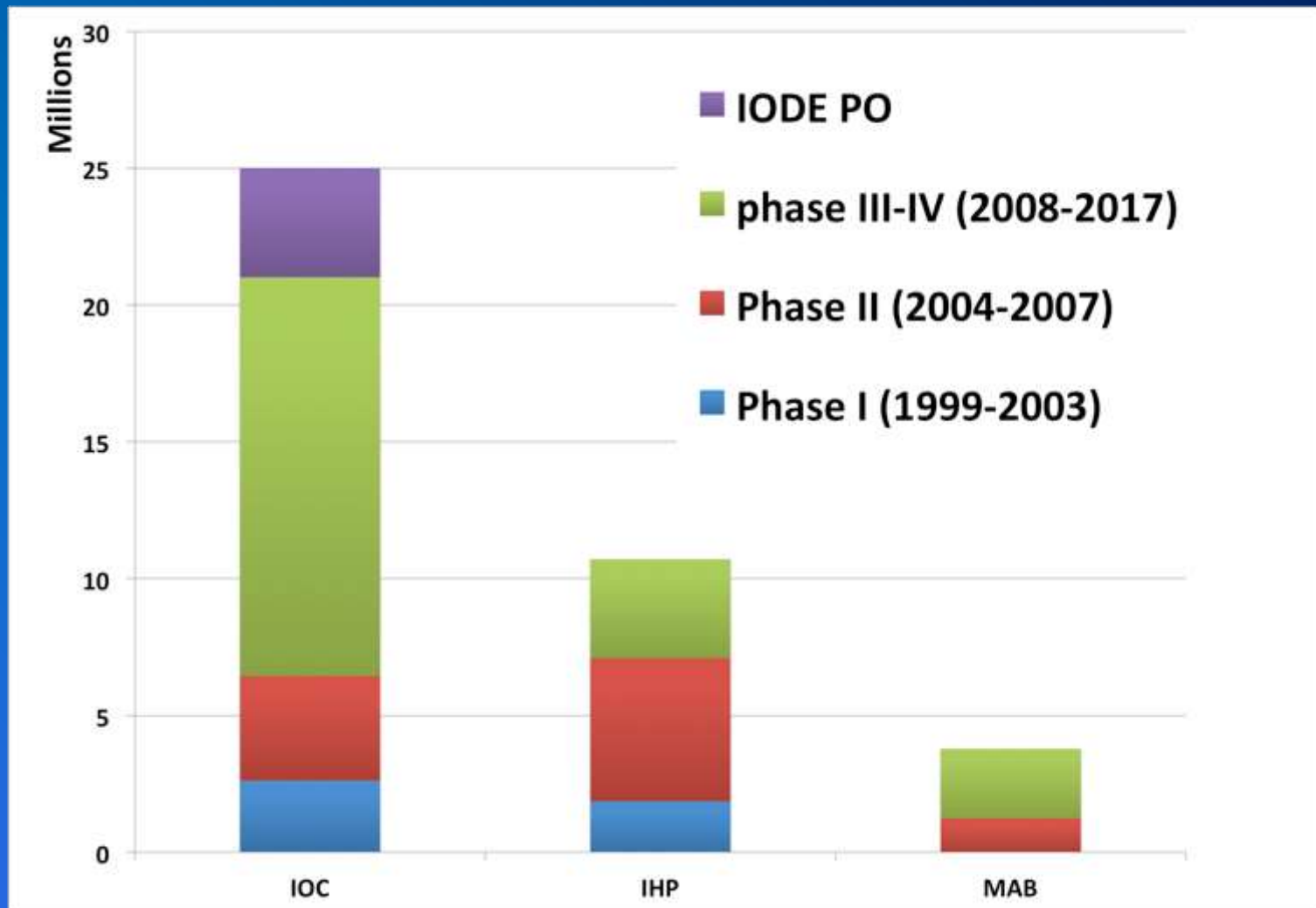


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- > 40 M US\$ investment in science,
- > 25 M US\$ to IOC



Flanders = reliable donor

Chart 3. Main extra-budgetary donors – based on 2012–2013 revenue/contributions to the IOC Special Account and to the Funds-in-Trust (Total of \$ 12,104,734)

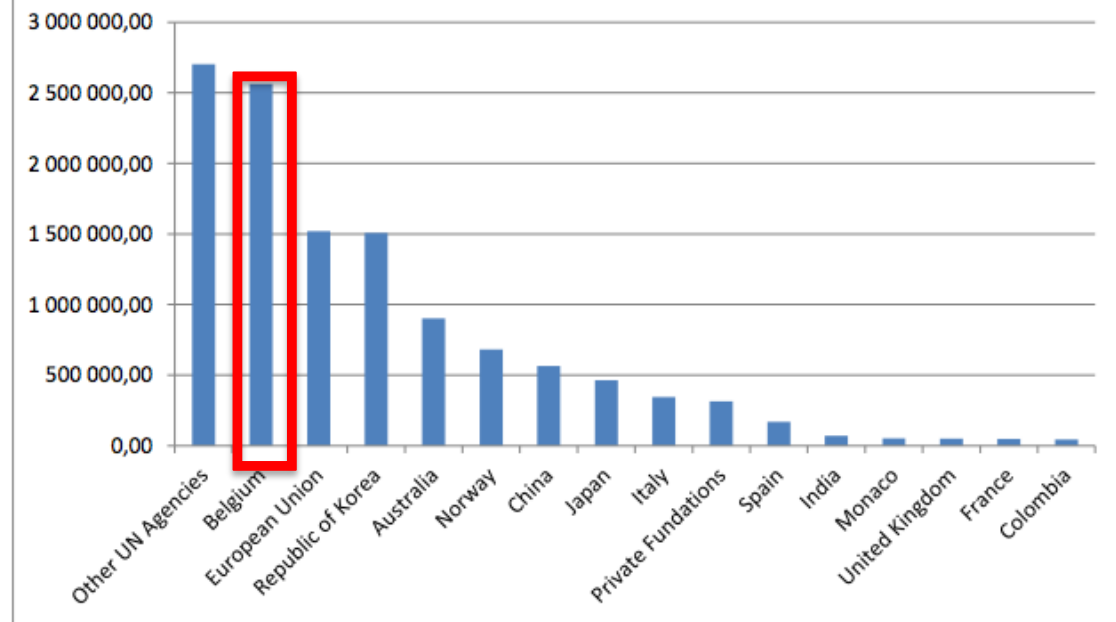


Chart 3. Main extra-budgetary donors – based on 2010 and to the Funds-in-Trust (Total of US\$ 12 121 664,71)

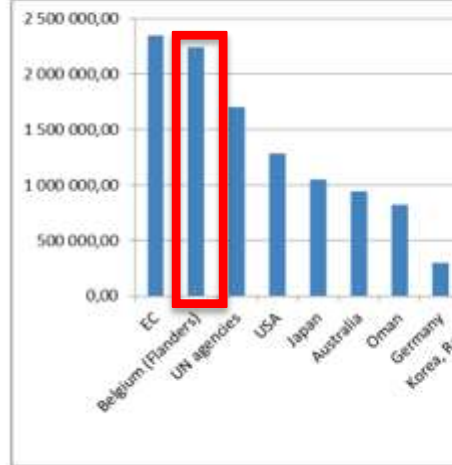
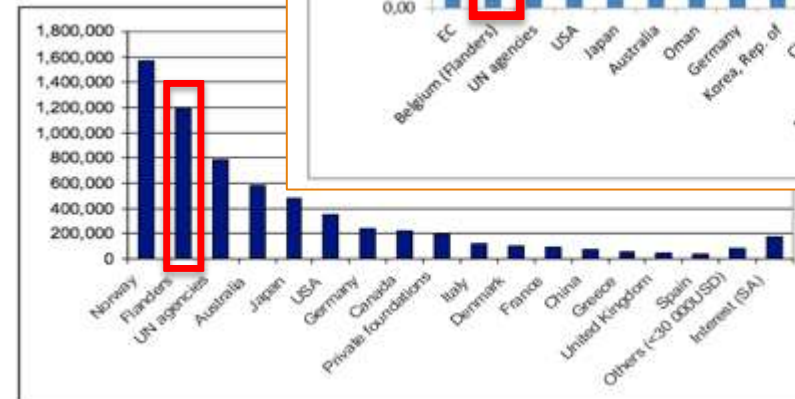
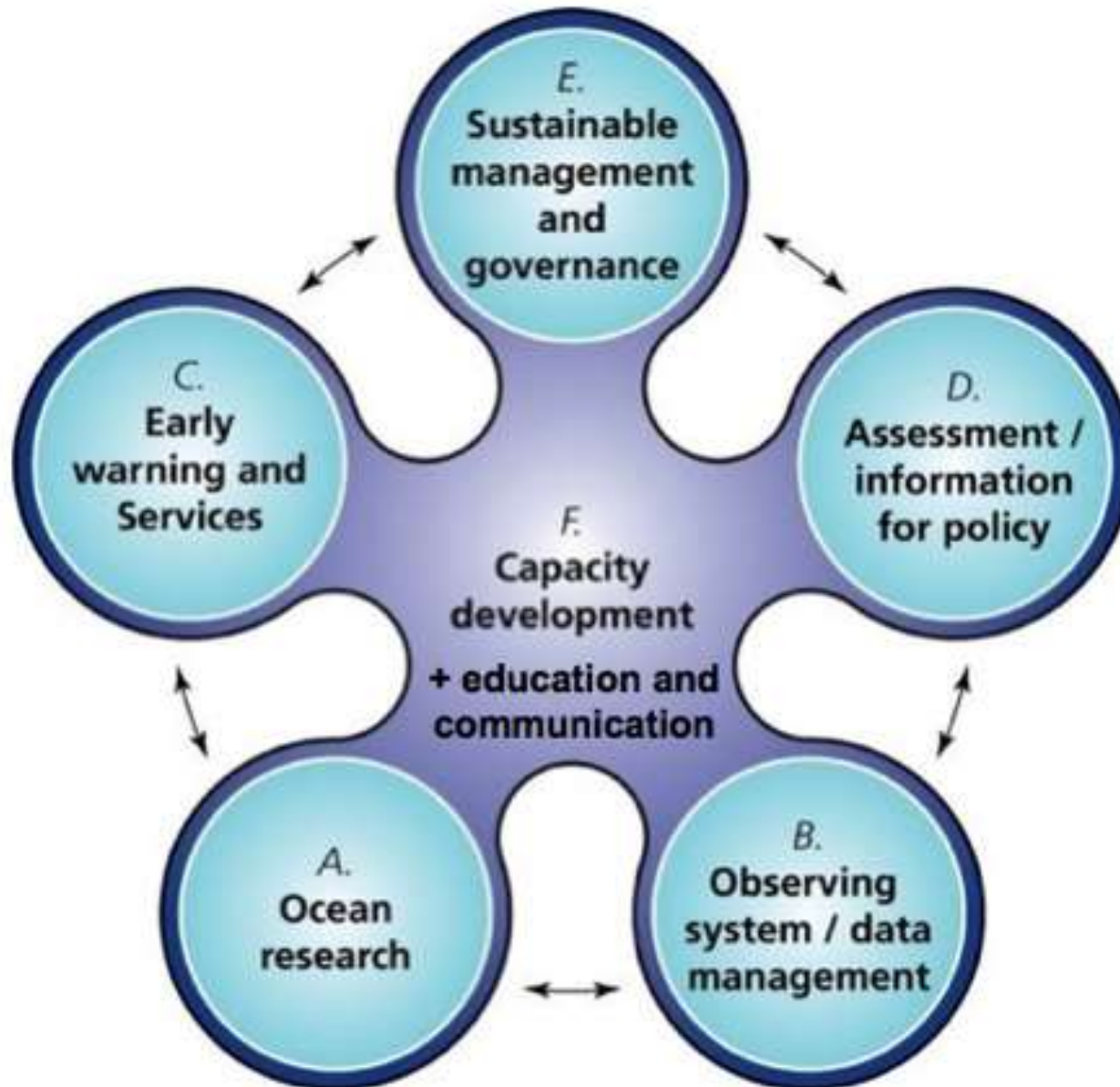


Chart 3 - Main extra-budgetary donors – based on 2010 and to the Funds-in-Trust (Total of US\$ 12 121 664,71)



IOC: Functions





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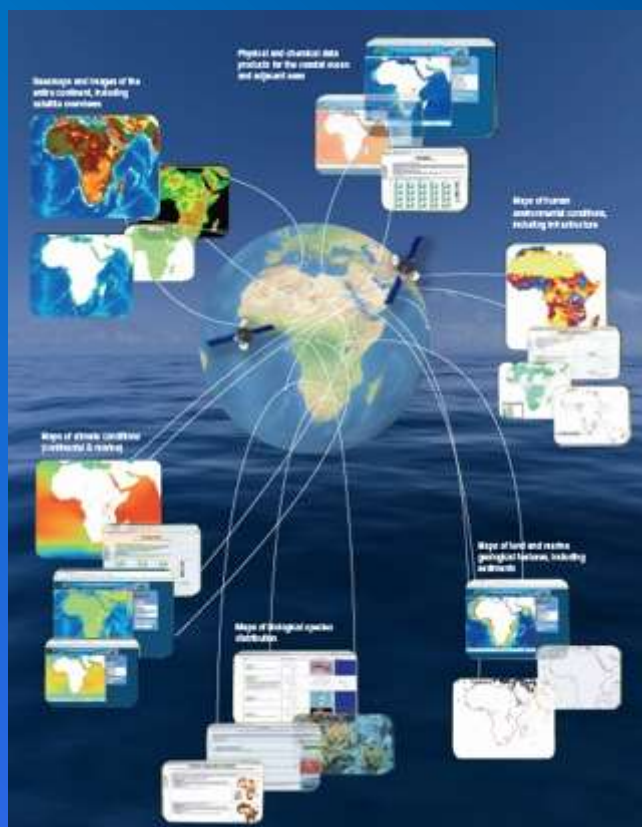




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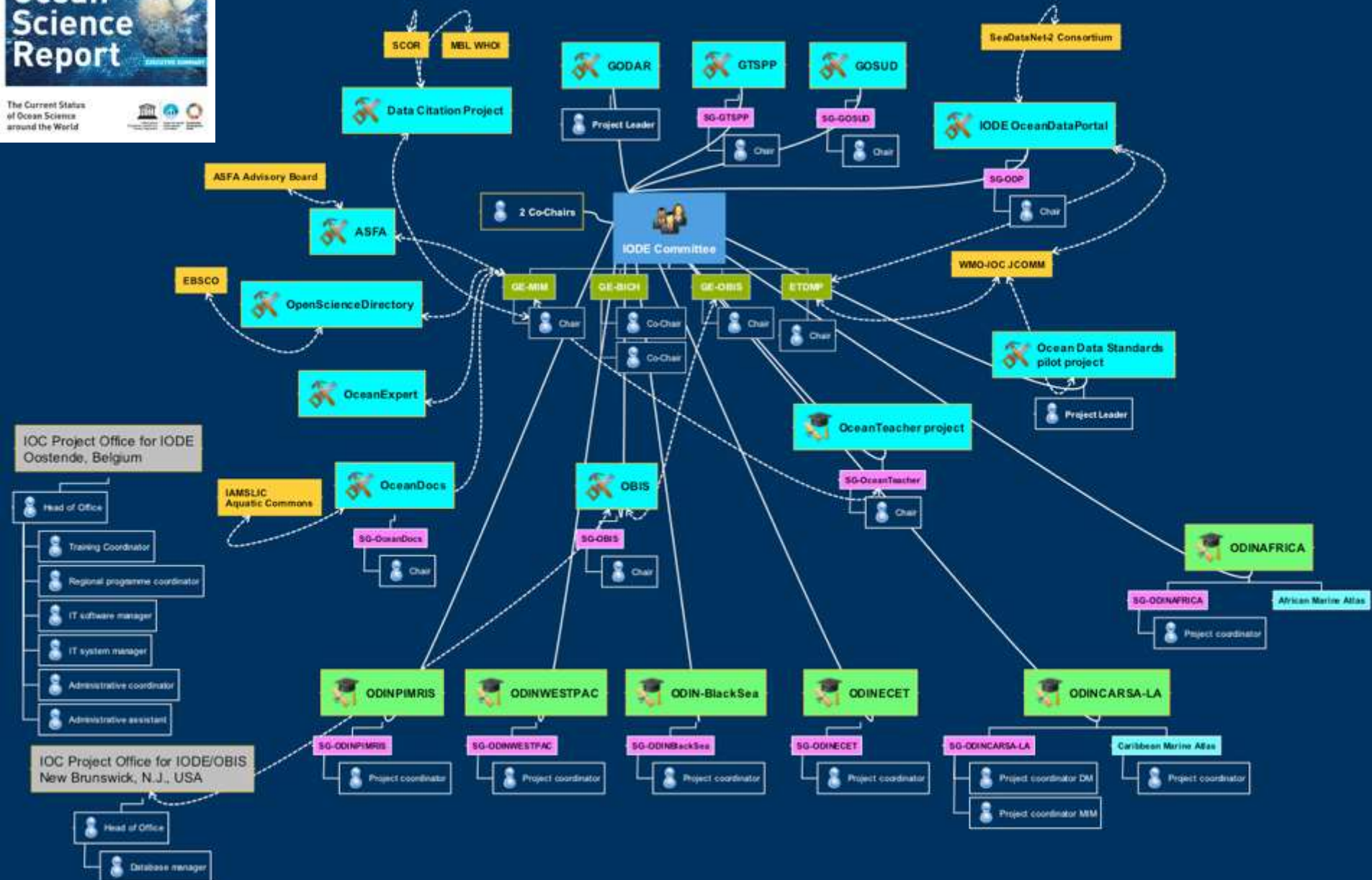
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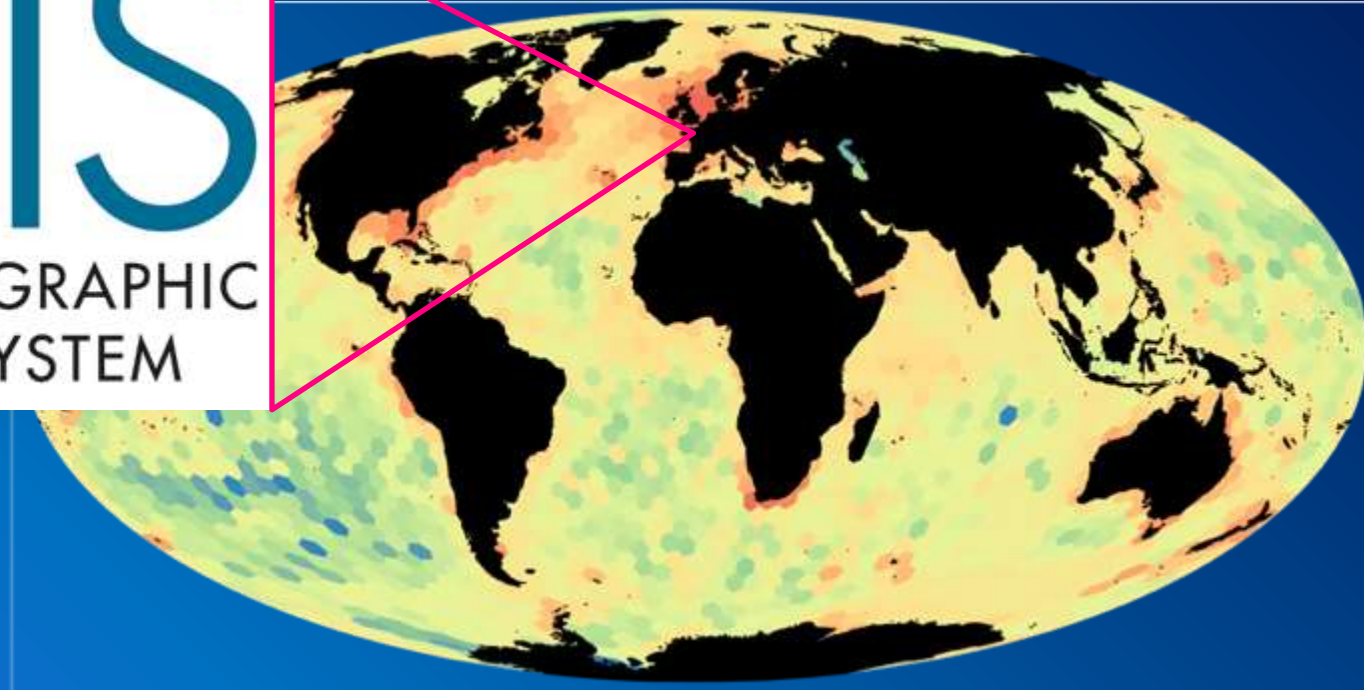
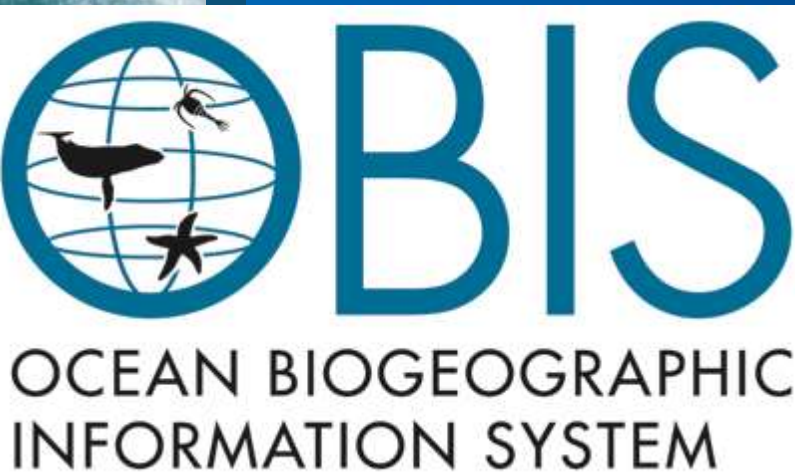


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World's most important distributed database for the state and evolution of marine life: >50 million observations of 120,000 marine species, integrated from >2,500 databases provided by >600 sources

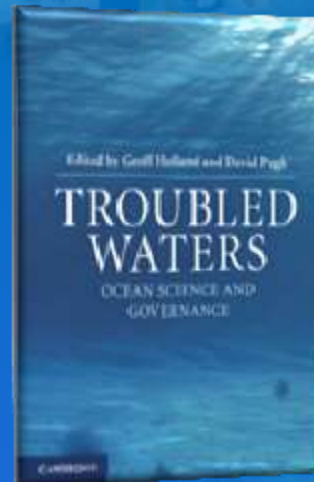
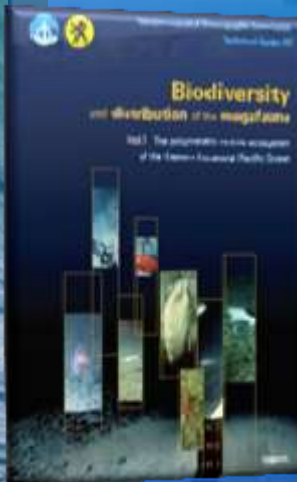
Publications



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The 2030 Agenda of Sustainable development



1. Poverty
2. Food
3. Health
4. Education
6. Water
7. Energy
8. Industry
11. Cities
13. Climate

1. Pollution
2. Ecosystems
3. Acidification
4. 6. b. Fishing
5. Protected Areas
6. SIDS & LDCs
- a. Science capacity
- c. UNCLOS

UNGA-72 Omnibus Resolution



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UN Decade of Ocean Science for Sustainable Development, 2021-2030

The Ocean We Need for the Future We Want

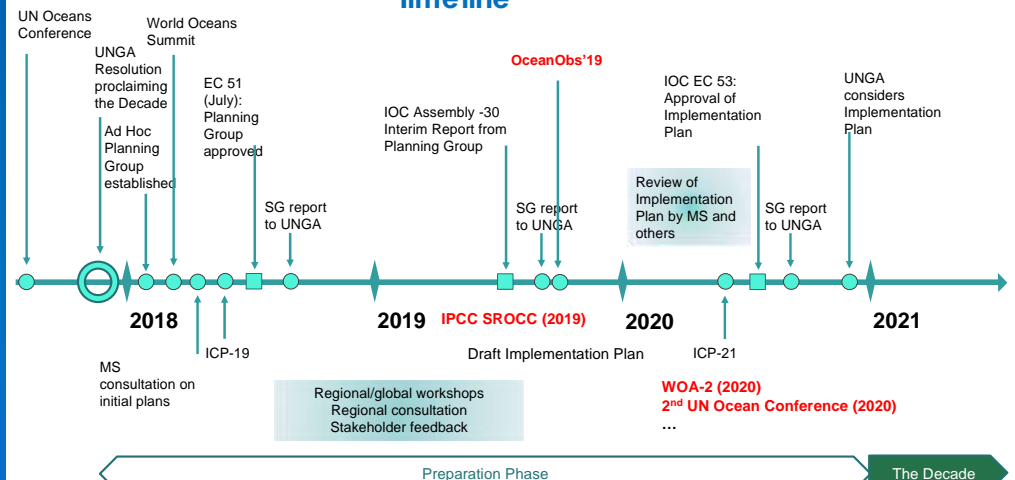
Proposal for an International
Decade of Ocean Science for
Sustainable Development
(2021-2030)



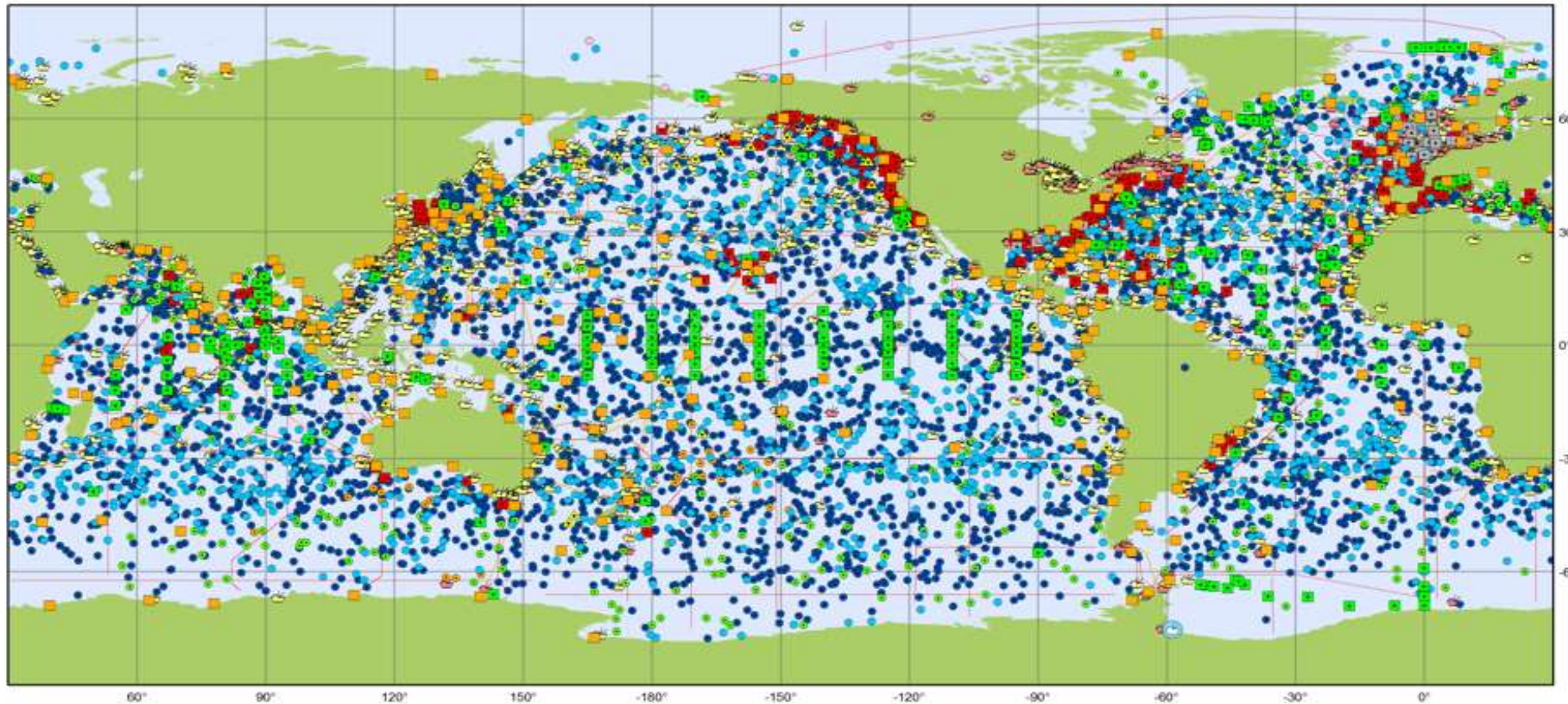
One Planet, One Ocean

Roadmap Document

Time line



Global Ocean Observing System



Main in situ Elements of the Global Ocean Observing System

January 2018

Profiling Floats (Argo)

- Core (3895)
- Deep (44)
- BioGeoChemical (314)

Data Buoys (DBCP)

- Surface Drifters (1410)
- Offshore Platforms (102)
- Ice Buoys (12)
- Moored Buoys (370)
- Tsunameters (33)

Timeseries (OceanSITES)

- Interdisciplinary Mooredings (333)
- Repeated Hydrography (GO-SHIP)
- Research Vessel Lines (61)

Sea Level (GLOSS)

- Tide Gauges (252)

Ship based Measurements (SOT)

- Automated Weather Stations (261)
- Manned Weather Stations (1745)
- Radiosondes (14)
- eXpendable BathyThermographs (37)



Generated by www.jcommaps.org, 15/02/2018

Map (Atlas) of the Ocean



Big

Ocean

Data

Knowledge of Deep Sea



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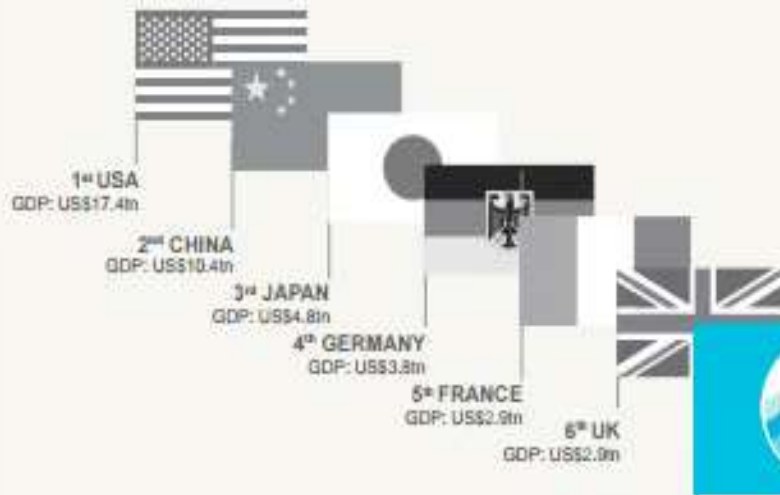
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eDNA

Ecosystem adaptation,
(coral reef restoration)

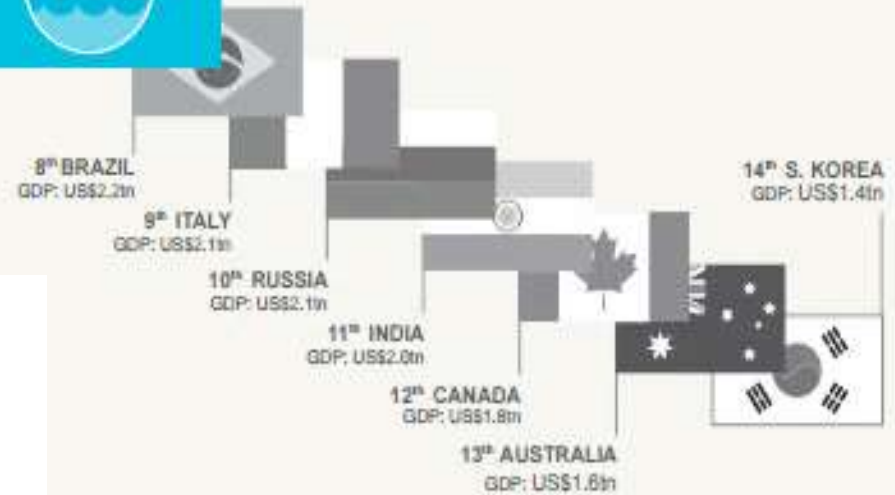


**Ocean-related warnings
(tsunami, sea level, HABS),
and down stream services
and predictions, e.g. for El
Nino and tropical cyclones**

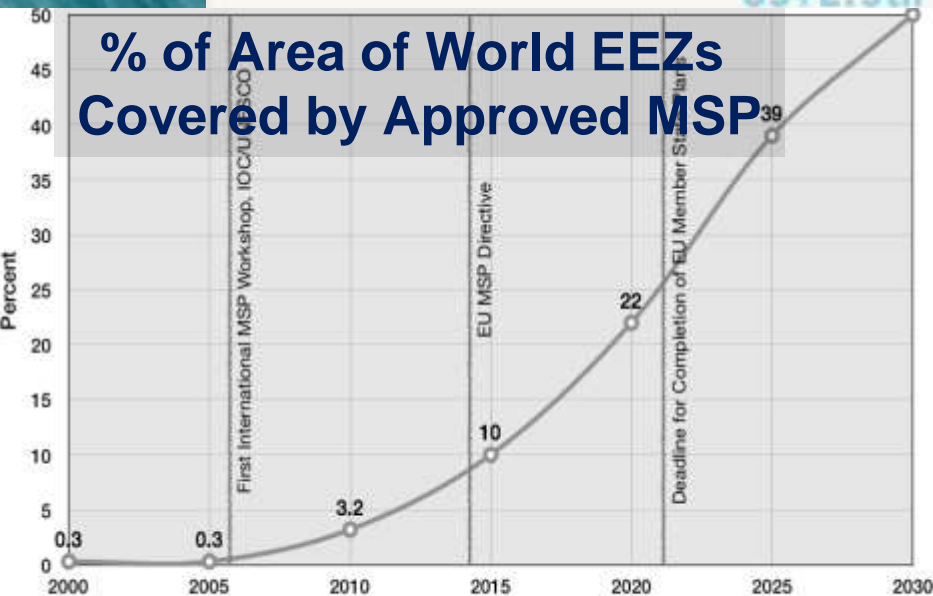


The annual gross marine product, the equivalent of a country's GDP, would make the ocean the world's 7th largest economy.

7th THE OCEAN
US\$2.5tn



% of Area of World EEZs Covered by Approved MSP



Note: Surface Area of the World's EEZs is ≈ 140 million km^2

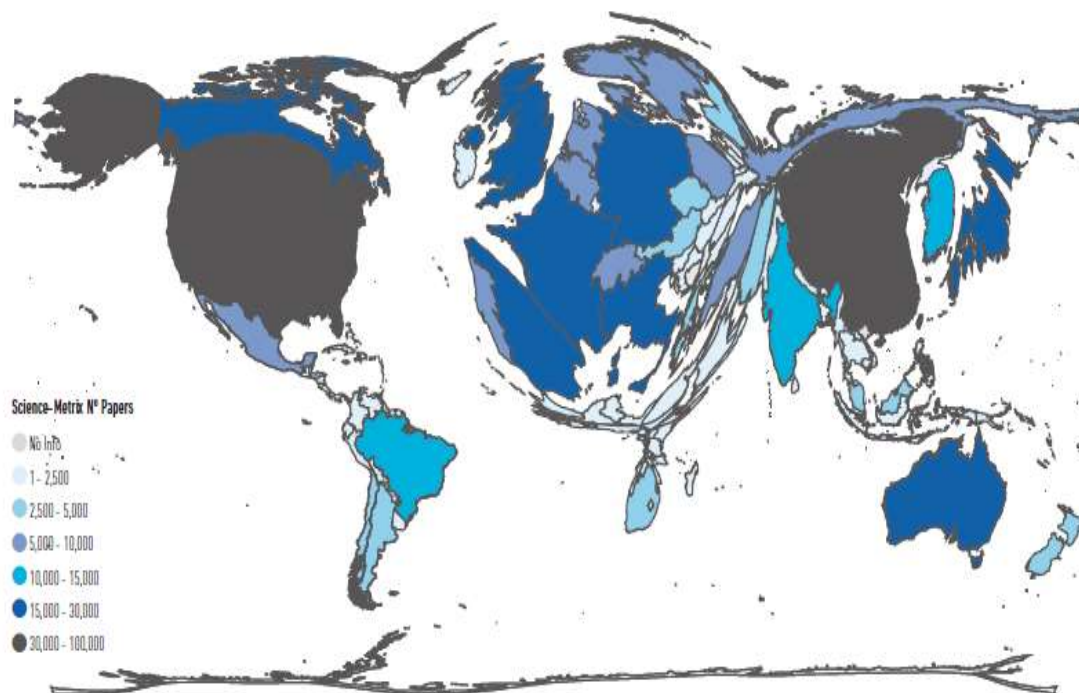
Capacity Development Transfer of Marine Technology



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Ocean Literacy

Ocean Literacy for All

A toolkit



The Ocean We Need for the Future We Want



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20th Anniversary of
UNESCO-Flanders
Cooperation Agreement

Thank you! Dankuwel!