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Intergovernmental Oceanographic Commission

Accelerating Investments in SDG 14 and the Sustainable Ocean Economy

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2021 2030 United Nations Decade of Ocean Science for Sustainable Development

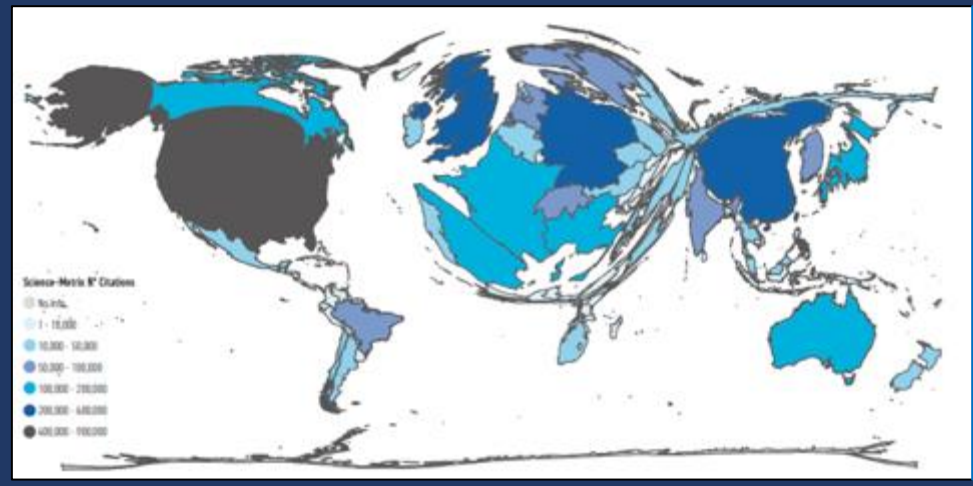
ocean PAVILION

Ocean Economy – basic numbers *(annual,* magnitudes*)*

GDP of the World	**≅100 Trillion US$**
Ocean Economy - now	**≅2-3 Trillion US$**
Ocean Economy – potential to 2050	**≅15 Trillion US$**
Global Investment in R/D (GERD)	**≅ 2 Trillion US$ (≅ 1.7% of GDP)**
Ocean research	**≅30-40 Billion US$ (≅ 1.7 of GERD)**
Space exploration	**≅ ≅100 Billion US$**
Arms race	**> ≅ ≅ 2 Trillion US$**
Ocean observations under GOOS	**≅ 1 Billion US$**

Disasters - cost of prevention vs cost of restoration: 1 vs 8-10

Major inequalities in capacity



Expenditures on SDGs (by OECD)

Slow Progress in SDG 14 hampers implementation of most of the 2030 Agenda targets

THE SDG FINANCING LAB

HIGH LEVEL PANEL for
A SUSTAINABLE
OCEAN ECONOMY

Commitment
to sustainably manage 100% of EEZ by 2025

5 key sectors for transformation:

1. Food (x6)
2. Energy (x 40)
3. Low carbon transport & ports
4. Ocean restoration & protection
5. Tourism

- 20% of Carbon emissions gap
- GDP equivalent of 15 T$ by 2050

5 "enablers":

1. Stopping land-based pollution
2. Innovative lower-risk finance
3. Upgrading ocean accounting
4. Data + guidance (= science)
5. Ocean planning

"Sustainable Ocean Planning"

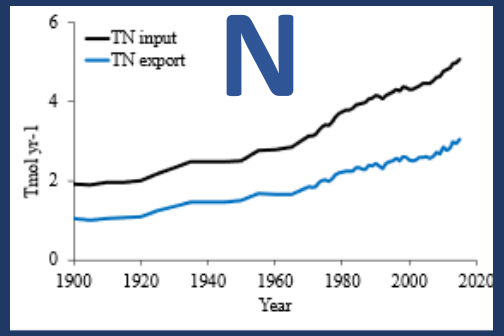
One clearly missed "enabler":
Climate change mitigation/adaptation

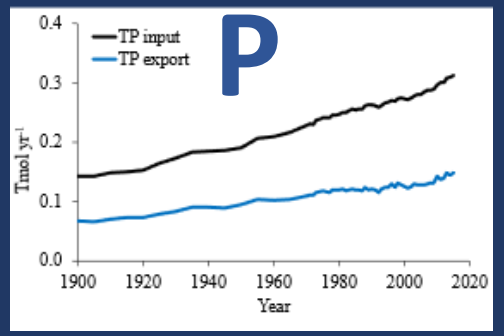
Involving policy in economy needs state accounting

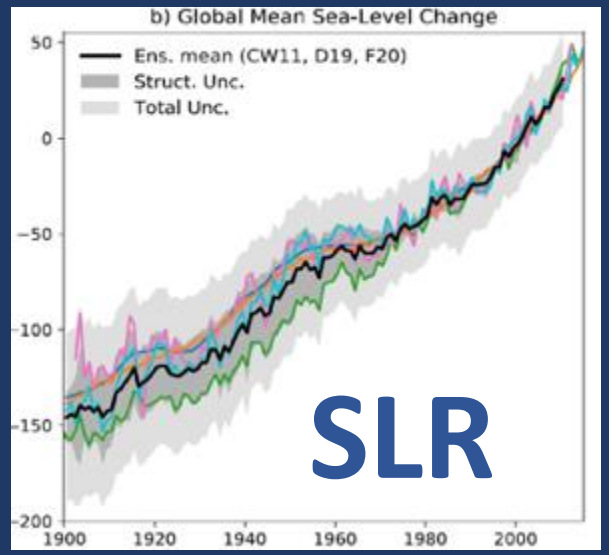
Sustainability

Production

What's in it for people







IPCC (2019): climate-induced declines in ocean health will cost the global economy ≅ 400 Billion $ per year by 2050 and ≅ 2 Trillion $ per year by 2100.

GENERAL ASSEMBLY OF THE UNITED NATIONS 2017

Vision

The science we need for the ocean we want

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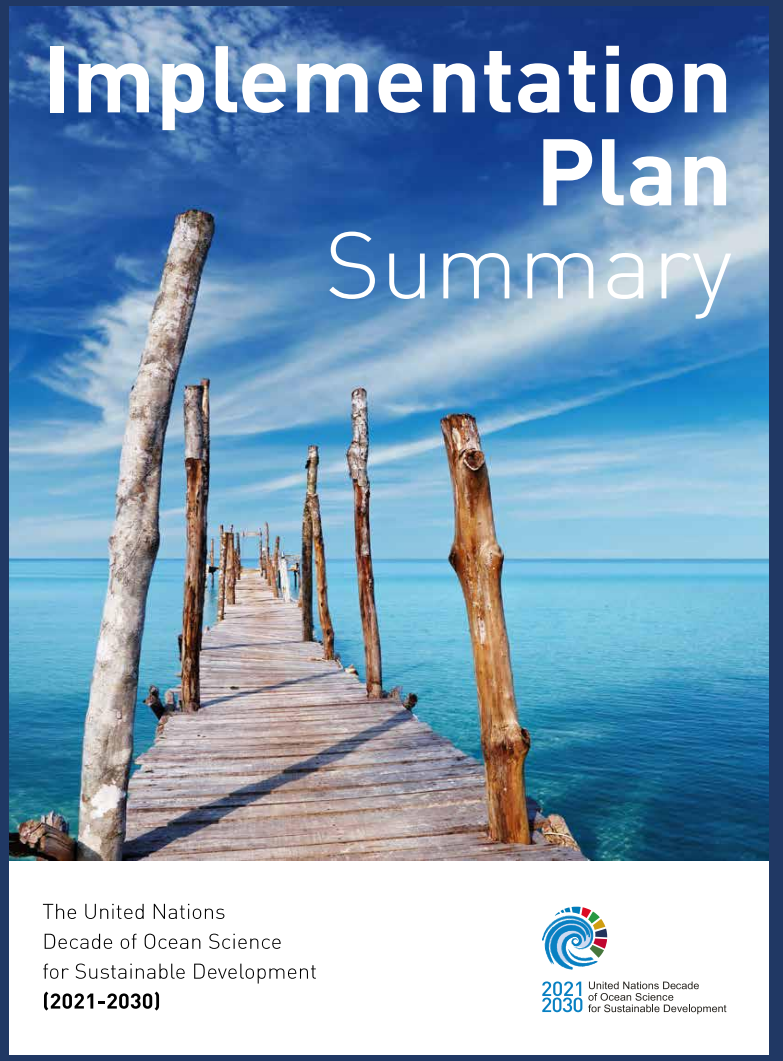

Issues:

Siloed approach
Group interests and indifference
Event-oriented thinking

We need to start creating a systematic approach towards sustainability based on science, leading to more objective, transparent, and informed decisions

In the ocean ∃ a meaningful approach for UNFCCC, CBD, …

Stopping land-based pollution
Innovative lower-risk finance
Upgrading ocean accounting
Science
Predicted climate change
Ocean planning

Work is urgently needed to (co-)design and enable the approach

Climate-smart and *Science-based Sustainable Ocean Management*

Benefit Areas:

All SDGs including
Climate and biodiversity
Ocean Economy
Human wellbeing
Peace

Culmination !

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