

Frontiers of Science:

Ocean Observation, Science, Sustainability, Innovation and Partnership

#OceanOptimism

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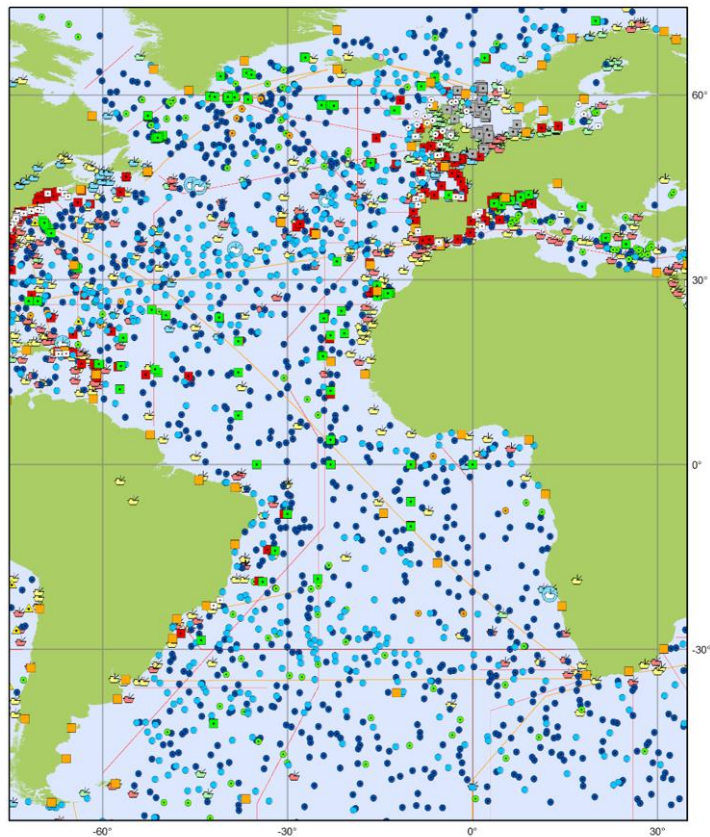


THE
**OCEAN
CONFERENCE**
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muthesius
kunsthochschule





February 2019



Provide Data and Information for:

Ocean Discovery

Climate and Weather

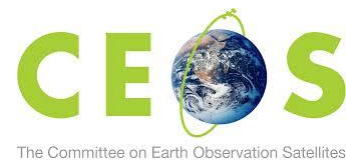
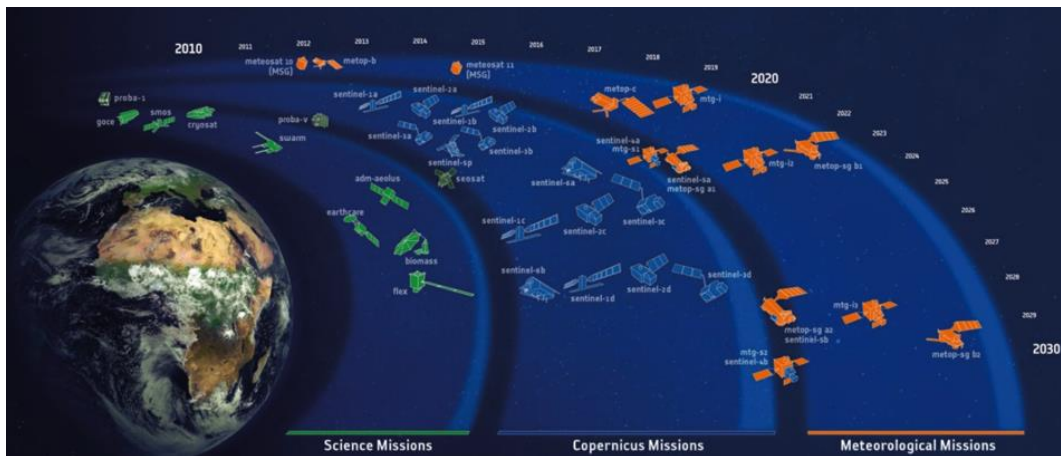
Life in the Ocean

Marine Safety and Services

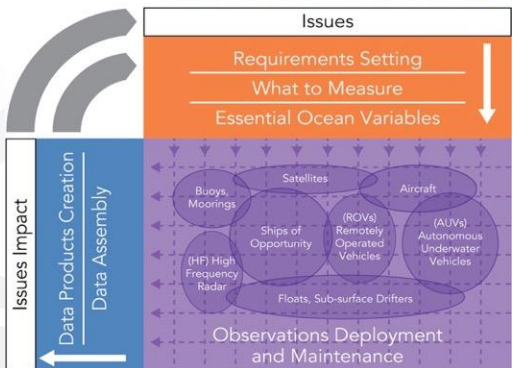
Sustainable Development

Blue/Green Economy

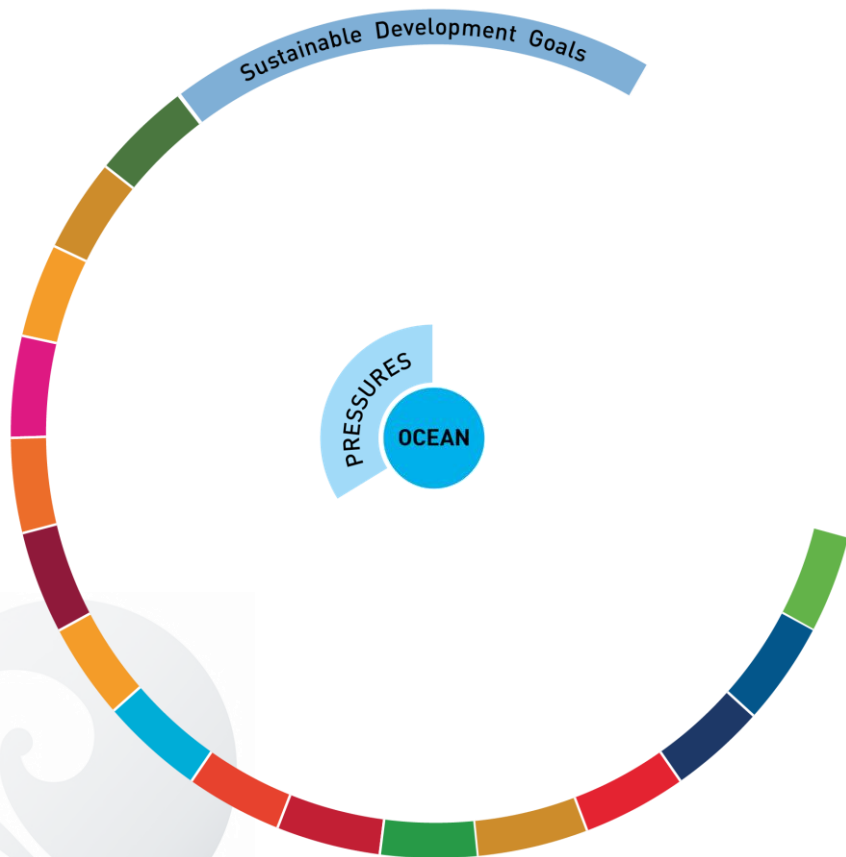
Combining In-Situ – Space – Open Data

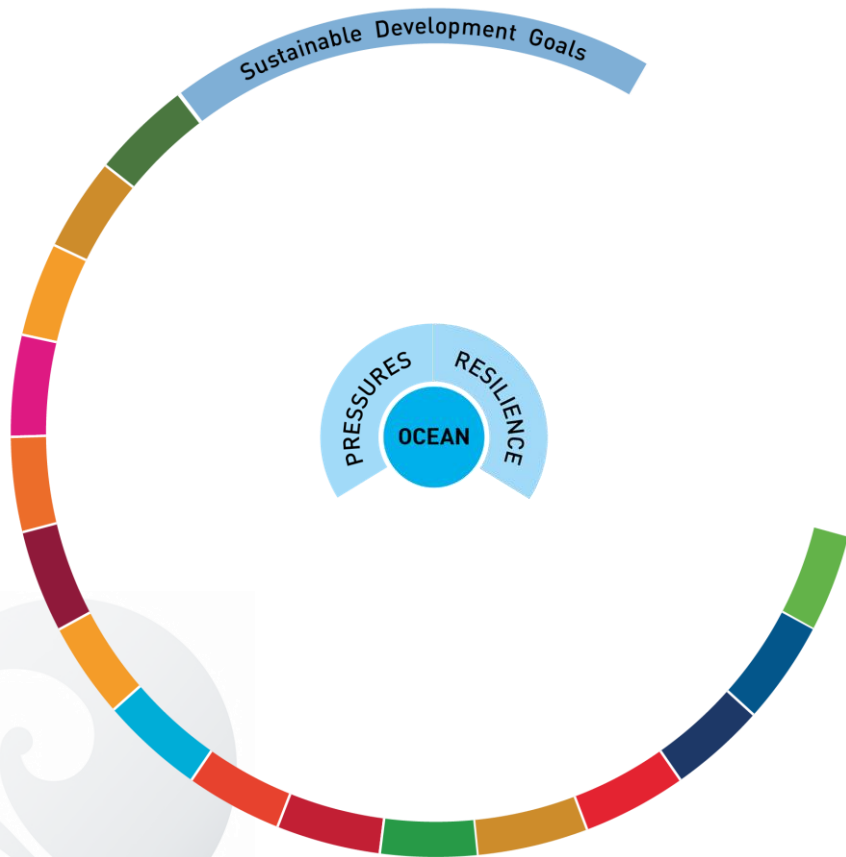


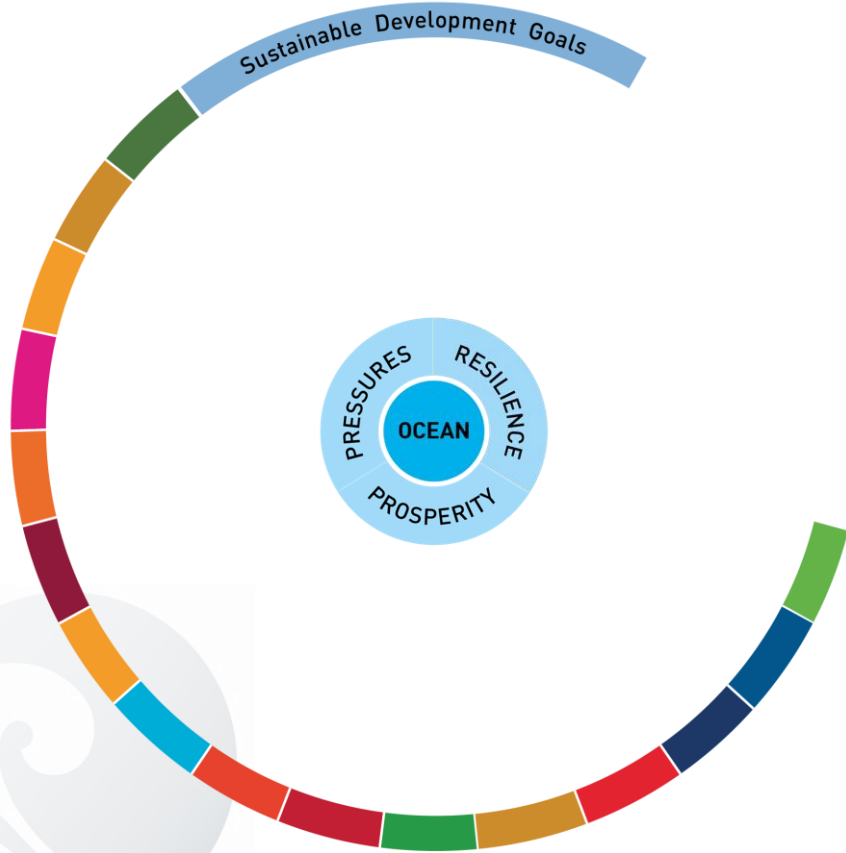
Framework for Ocean Observing Process Diagram

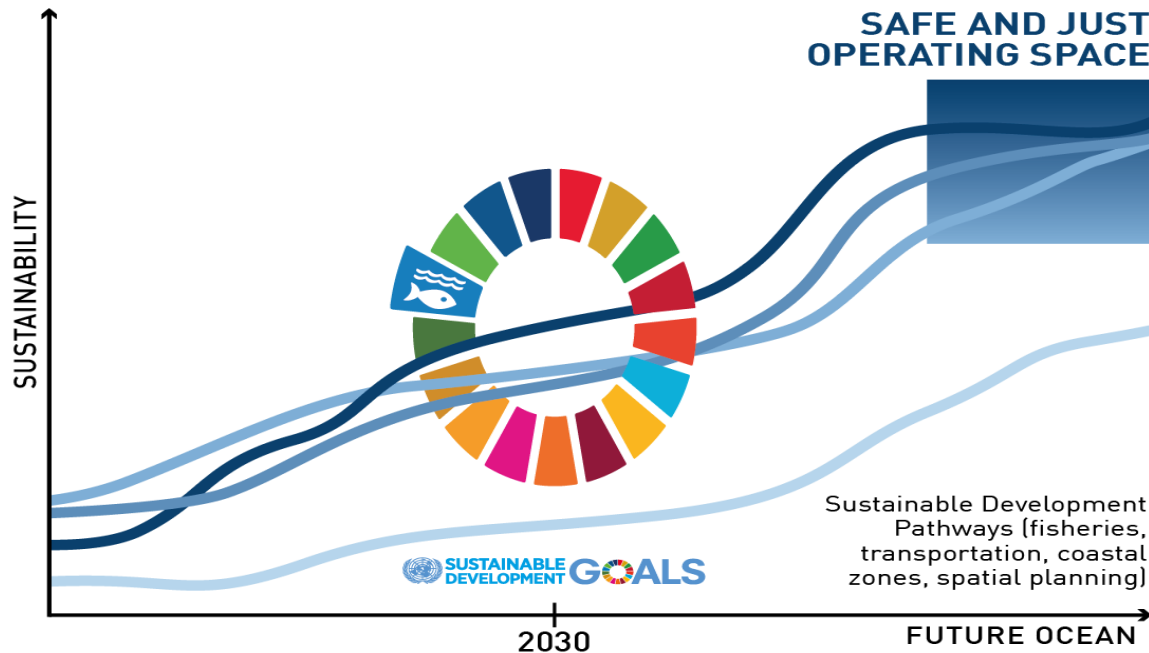


Document Human Pressures on the Ocean System







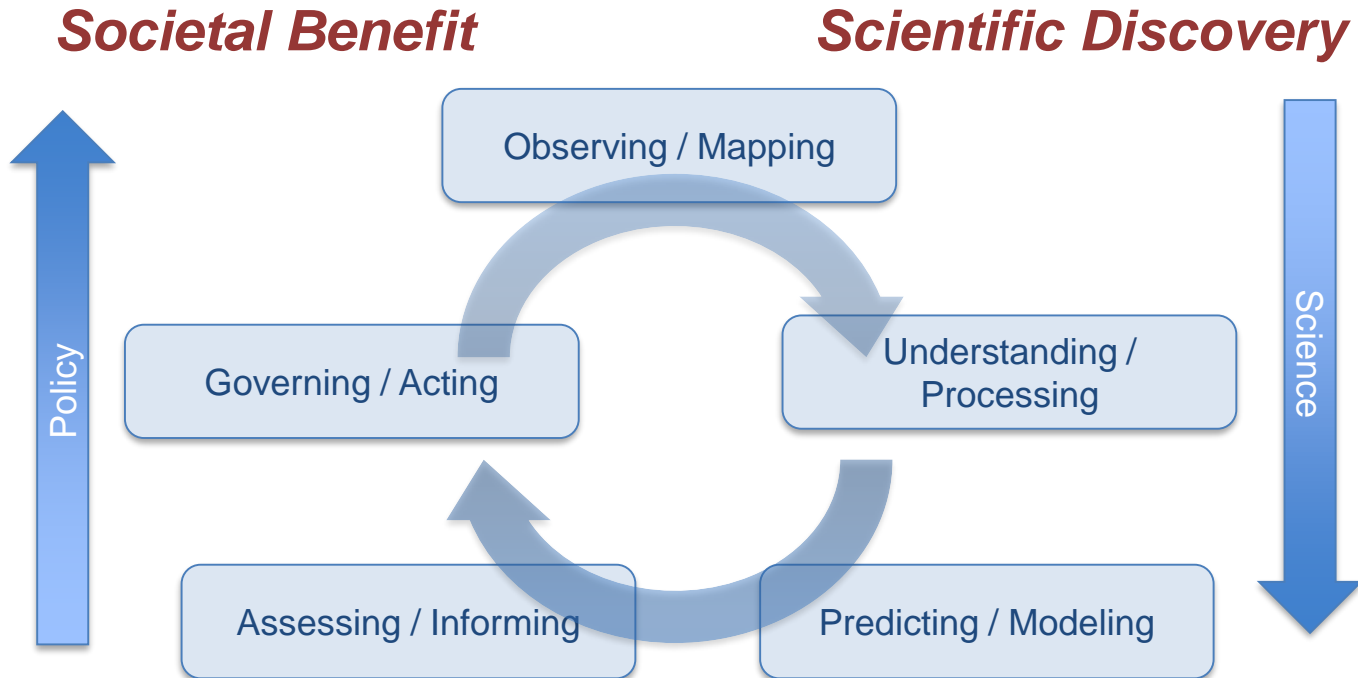


Ocean Pathways

Sound ocean solutions and sustainable development pathways from a transdisciplinary and reflective ocean science perspective.

(Ocean) Value Chain

Increased need for ocean information to meet a growing range of societal needs can only be fully realized if all elements of the value chain are resourced adequately.

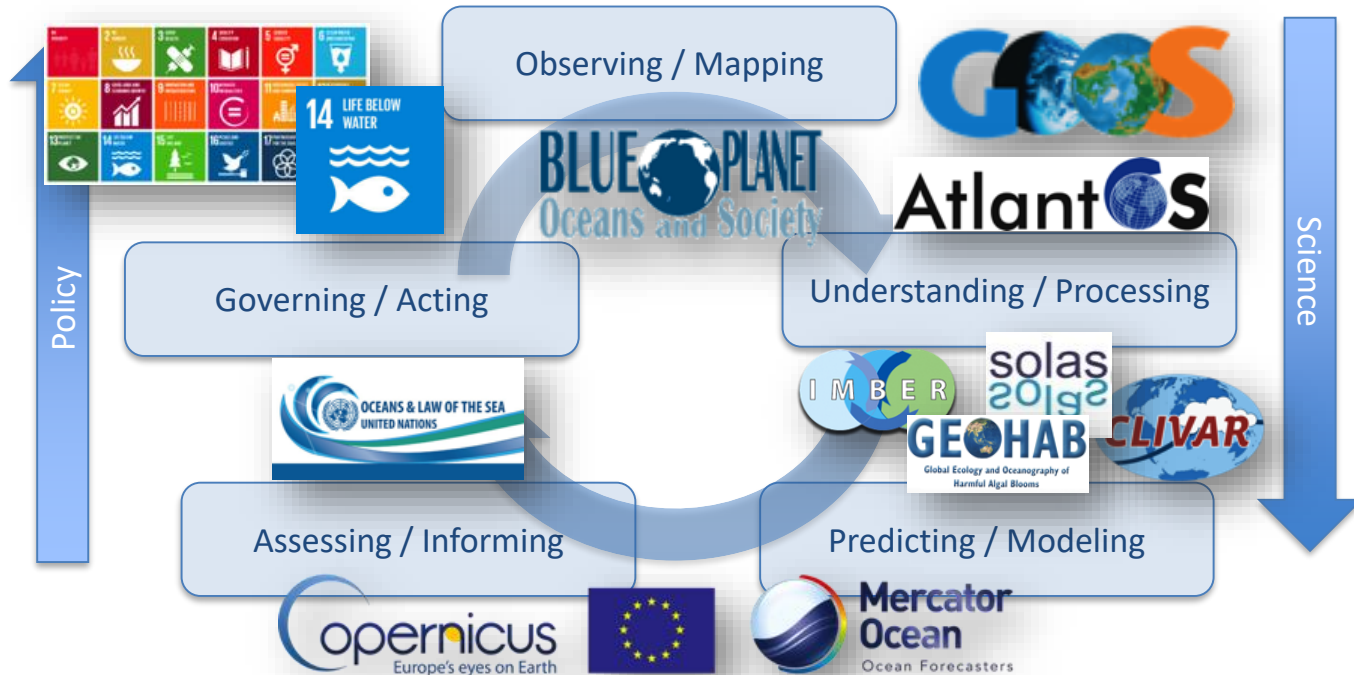


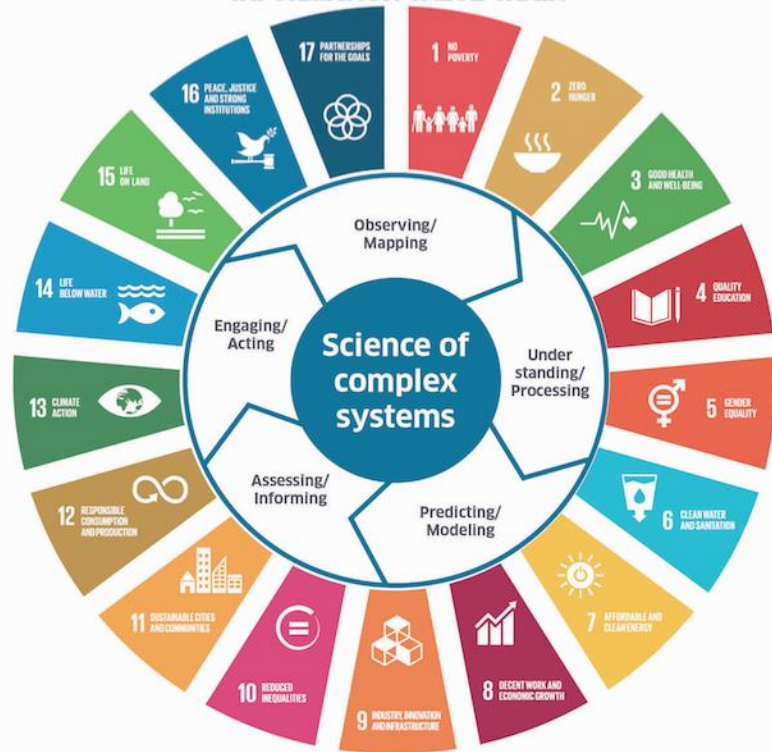
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Societal Benefit

Scientific Discovery





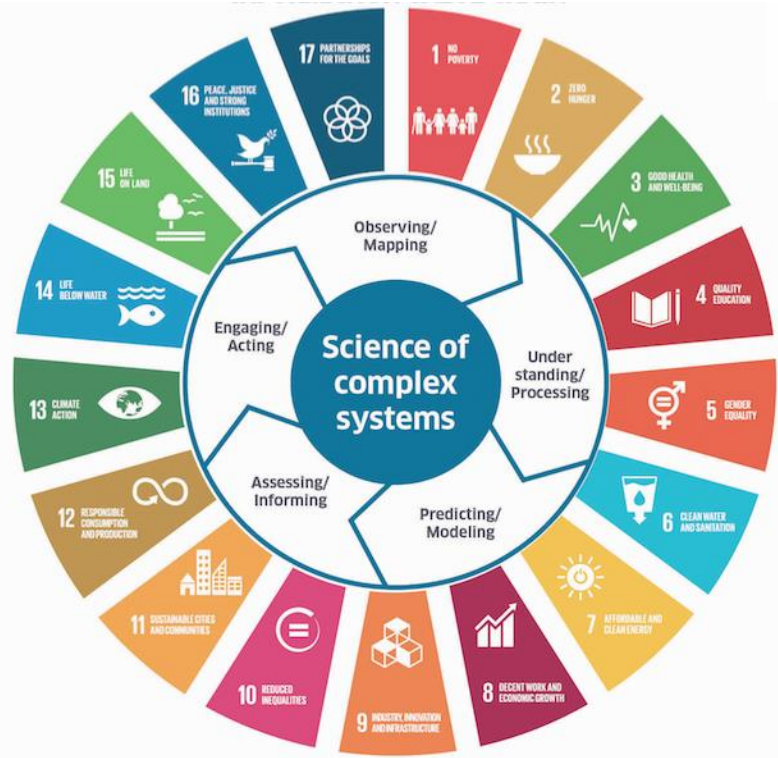
Ocean Observation enabled Science

Partnership in Ocean Science

- with earth science
- with environmental agencies
- information products and delivery
- integrated assessment (all types of data)
- open science - open data – cloud access
- Big Data discovery, analysis, visualization

Outreach in Ocean Science

Ocean Partners and Friends are essential ...



Thank you Gesine and Ricardo!



Future of Upwelling Regimes and Ocean Food

Stressors - Resilience – Management - Pathways

