



A BRIDGE BETWEEN BRAZILIAN OCEANOGRAPHERS AND INTERNATIONAL INSTITUTIONS

Segment 3: Multi-stakeholder discussion on opportunities, best practices and lessons-learned for enhancing the science-policy interface



AOCEANO

- The Brazilian Association of Oceanography - AOCEANO is a non-profit institution whose purpose is, among its various purposes, to gather its members in actions focused on the ethical and full exercise of the profession of oceanographer and the teaching of Oceanography. It also develops initiatives that promote the sharing of information of interest to Oceanography professionals and students, as well as representing them as a national class entity.



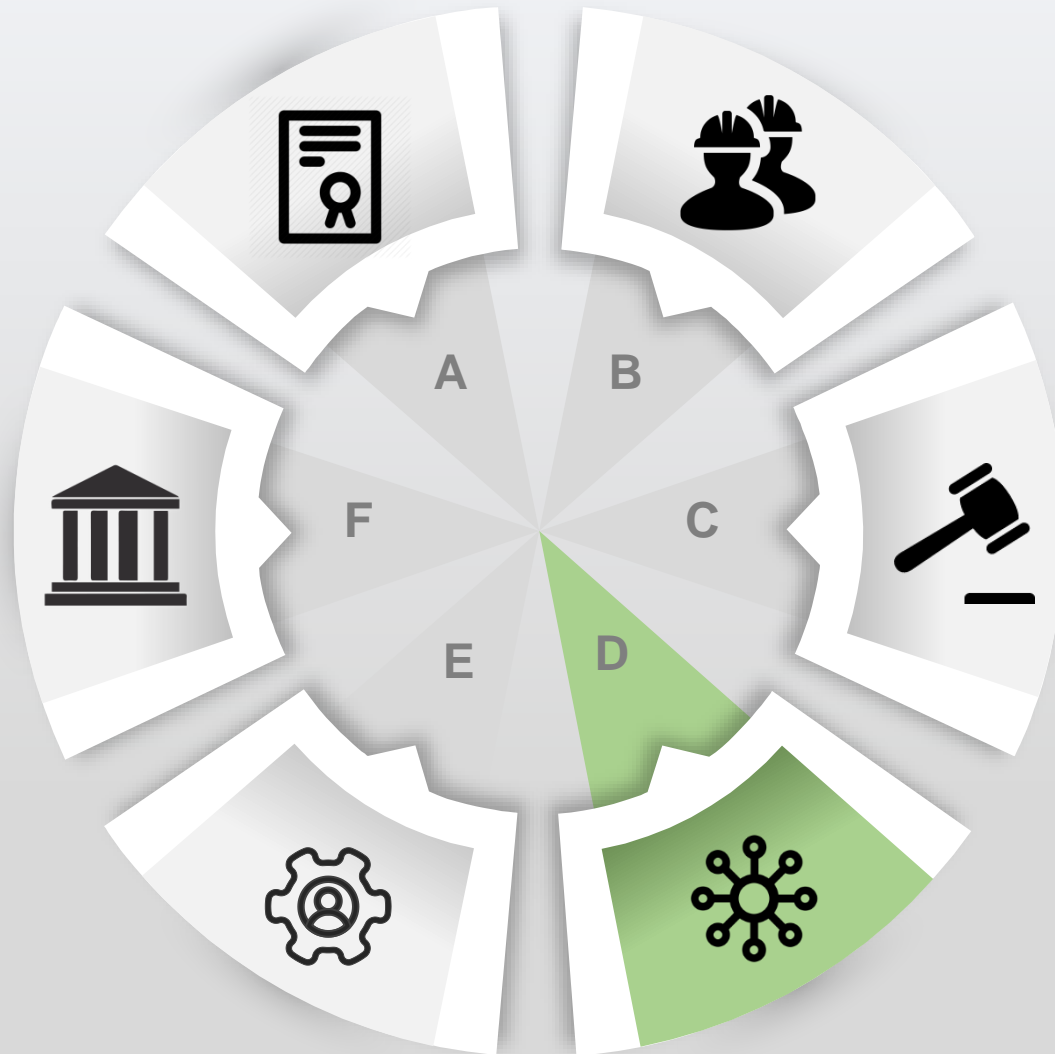


THE ROLE OF AOCEANO





SOCIAL NETWORK



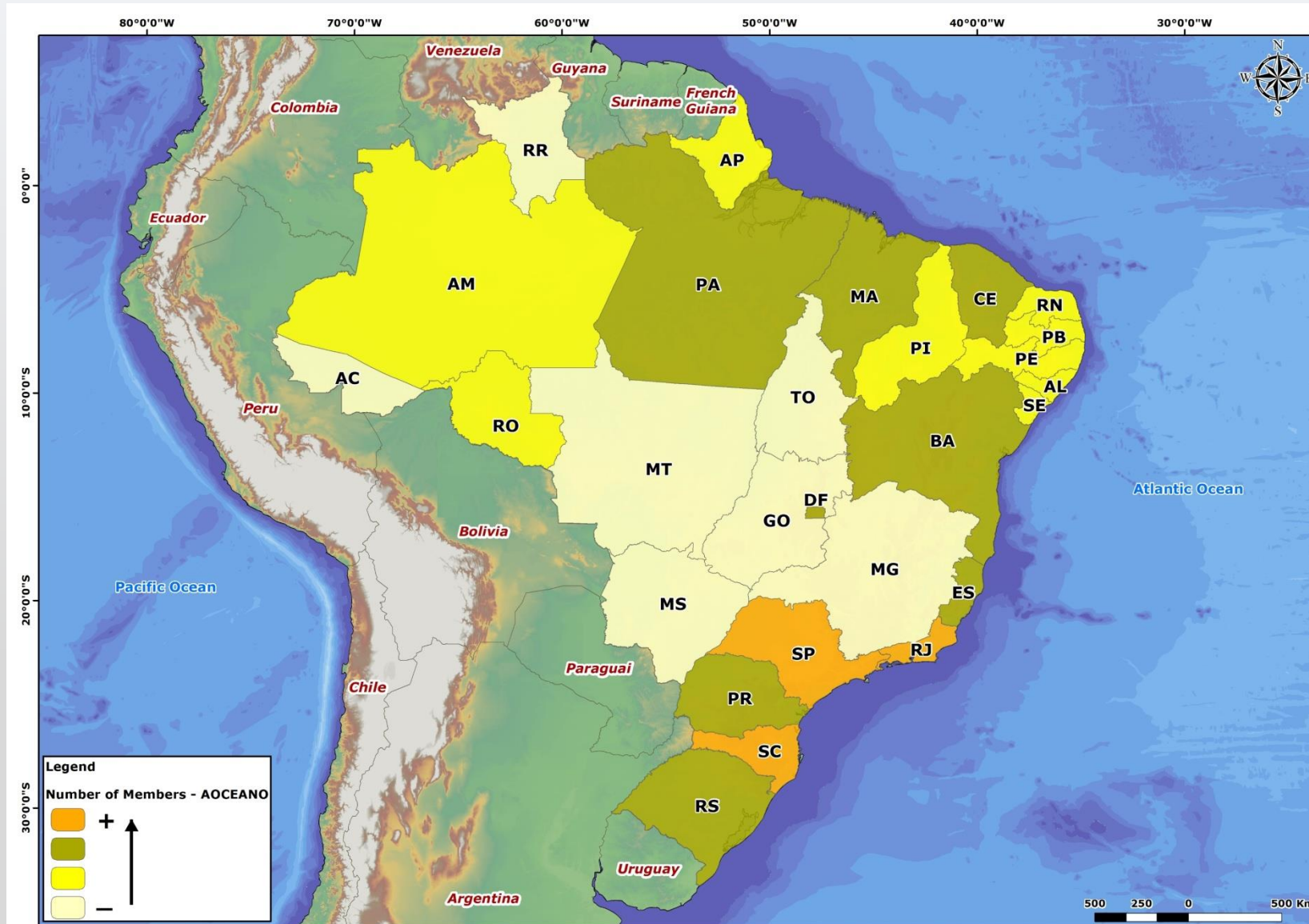
SOCIAL NETWORK

Connect professionals from different institutions.

The membership is formed by graduates, postgraduates and students that work in the area of Oceanography.



SOCIAL NETWORK



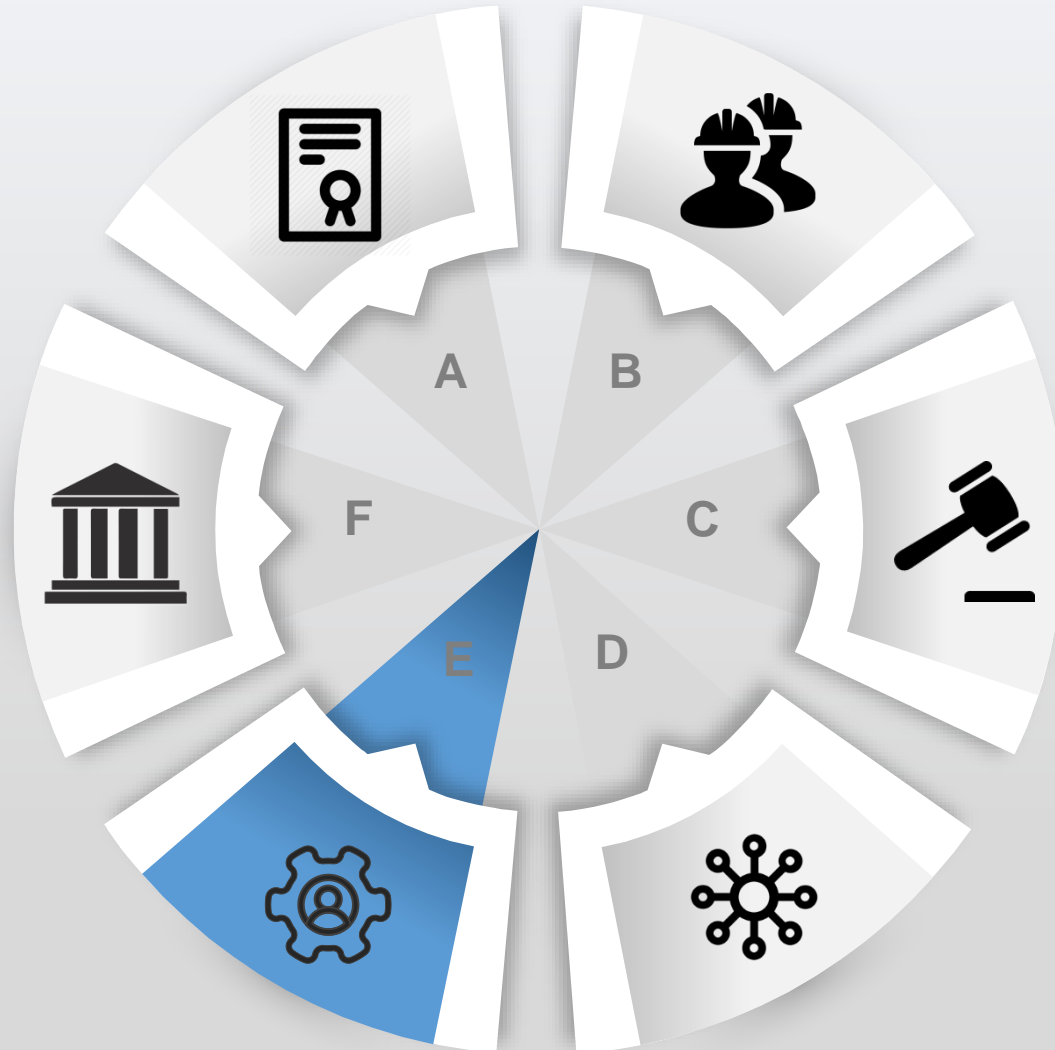


Connection with Institutions





CAPACITY BUILDING



CAPACITY BUILDING

National Oceanography Olympiad

Brazilian Congress of Oceanography (CBO)

Latin American Congress of Marine Sciences
(COLACMAR)

Symposium on Hydrography

Support for educational actions

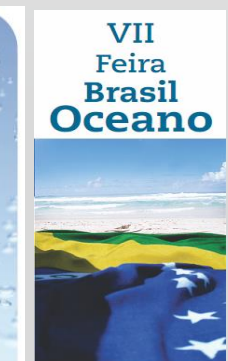
The Principles of Ocean Literacy for Students
(under development)



CAPACITY BUILDING

Brazilian Congress of Oceanography in numbers

Edition	Local	Partner	Participants
CBO '2004	Itajaí, SC	UNIVALI	2211
CBO '2005	Vitória, ES	UFES	1876
COLACMAR '2007	Florianópolis, SC	UFSC	2680
CBO '2008	Fortaleza, CE	UFC	2247
CBO '2010	Rio Grande, RS	FURG	2197
COLACMAR '2011	Balneário Camboriú, SC	UNIVALI	2359
CBO '2012	Rio de Janeiro, RJ	UERJ	1997
CBO '2014	Itajaí, SC	UNIVALI	1500
CBO '2016	Salvador, BA	UFBA	1100
COLACMAR '2017	Balneário Camboriú, SC	UNIVALI	887

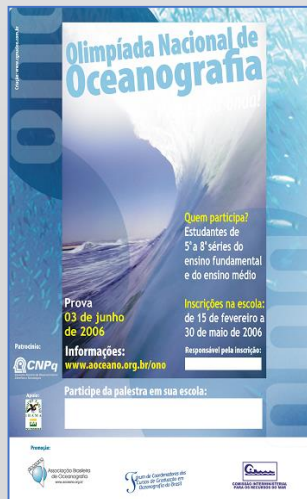




CAPACITY BUILDING

Brazilian Oceanography Olympiad in Numbers

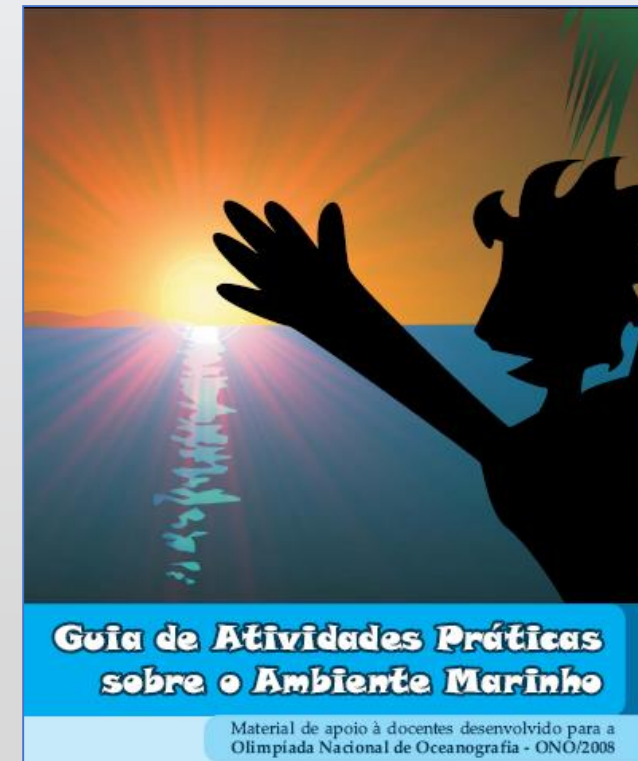
Event	Nº UFS	Schools	Teachers	Students	Students EF	Students EM
ONO 2006	7	30	46	1476	916	560
ONO 2008	23	112	93	4962	2376	2586
ONO 2012	20	131	88	2385	810	1575



The Principles of Ocean Literacy for Students

We are developing a plan to use the principles of Ocean Literacy (1) during our lectures

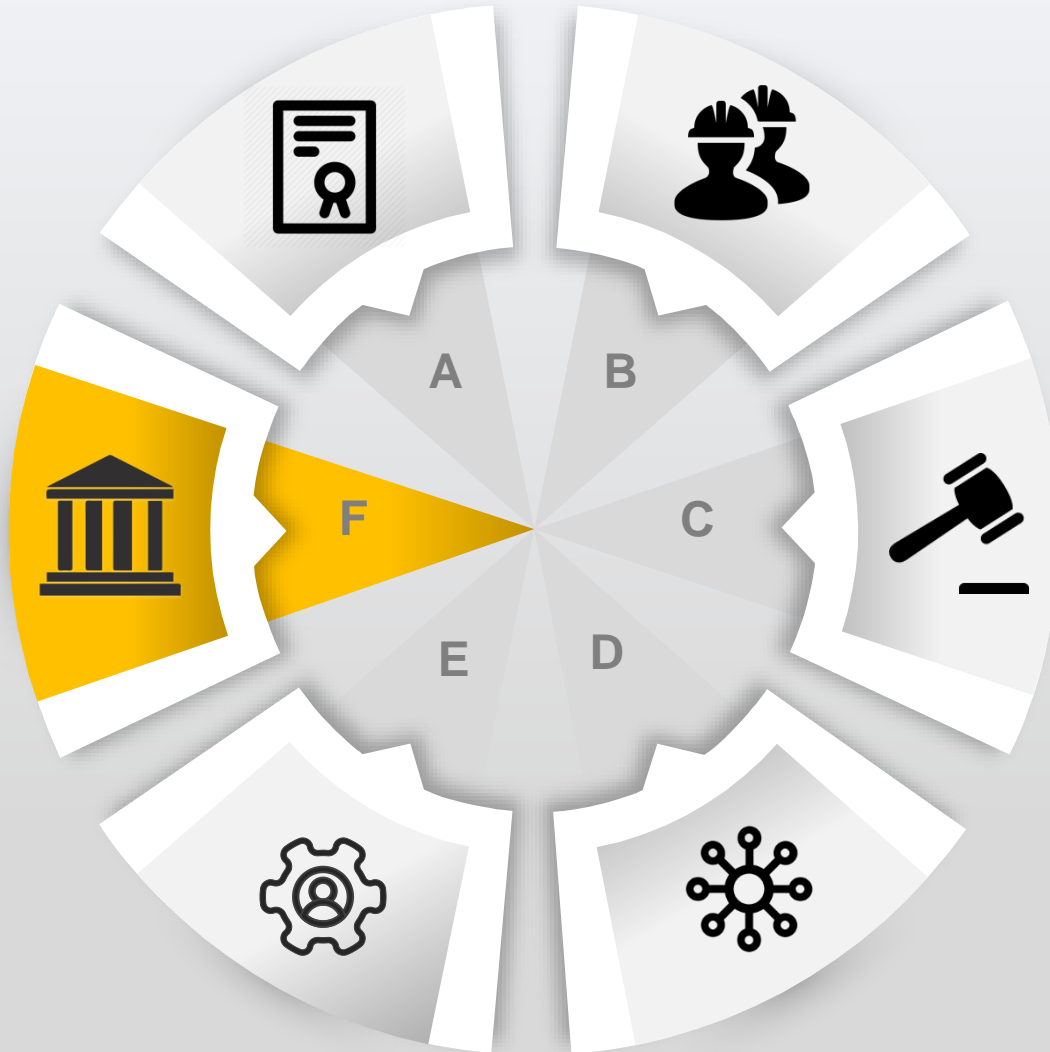
Assisting in understanding the ocean's influence on you and your influence in the ocean



(1) Ocean Literacy: The Essential Principles and Fundamental Concepts of Ocean Sciences for Learners of All Ages Version 2, a brochure resulting from the 2-week On-Line Workshop on Ocean Literacy through Science Standards; published by National Oceanic and Atmospheric Administration; Published June 2005, revised March 2013



GOVERNMENT POLICY ACTIONS



GOVERNMENT POLICY ACTIONS

AOCEANO is in tune with the programs developed by the Brazilian Government



GOVERNMENT POLICY ACTIONS

International Cooperation in the Atlantic Ocean

The Brazil - Europe - South Africa

Belém Statement on Atlantic Ocean Cooperation

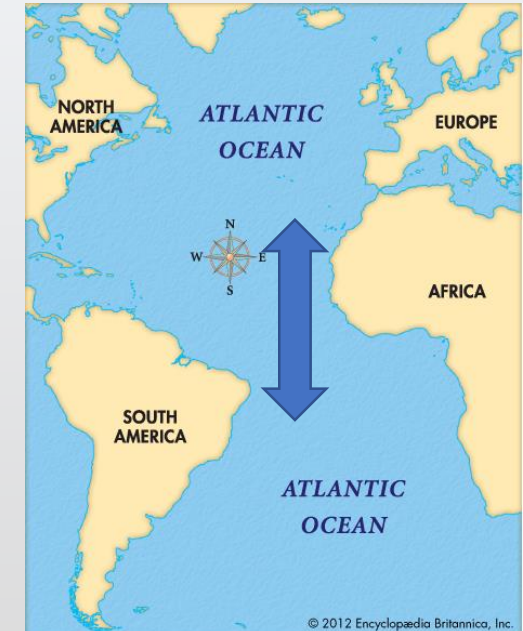
Signed on 13 July 2017, with the following priorities:

- Better monitoring and forecasting capacities
- Improved safety at sea, human health and well-being
- Sustainable use of marine resources
- New and emerging technologies to service societal needs and new value chains
- Ocean-engaged citizens through enhanced ocean literacy activities



NORTH ↔ SOUTH

- Implementation of the Galway Statement
- Involvement of the South Atlantic
- Brazil and South Africa in the board, clearly links North to South
- Blue Growth calls in Horizon 2020
 - BG 08 – AtlantOS
 - BG 14 - Atlantic Ocean Research Alliance Coordination and Support Action
- Further discussions on how to move forward





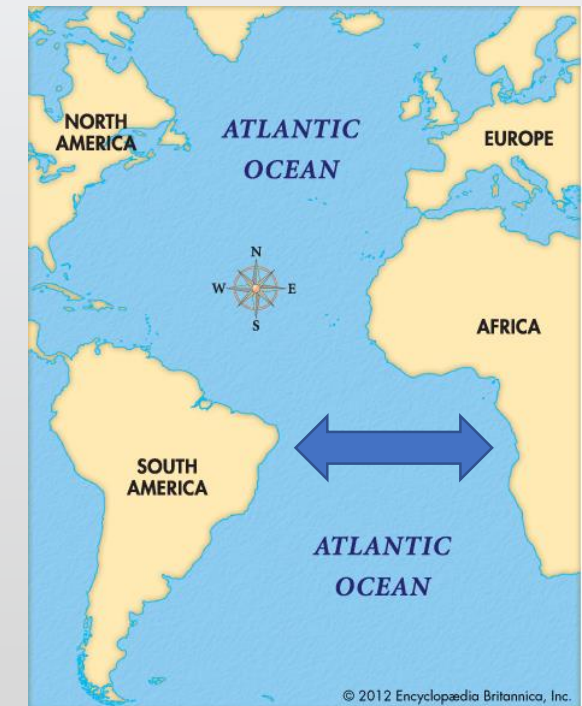
GOVERNMENT POLICY ACTIONS

International Cooperation in the Atlantic Ocean

SOUTH ↔ SOUTH

South-South Framework for Scientific and Technical Cooperation in the South and Tropical Atlantic and Southern Oceans

Climate variability and change	Ecosystems variability and controlling processes	Living and non-living resources, and biodiversity
<ul style="list-style-type: none"> Improved Earth system model predictions Inter-ocean exchanges and large-scale circulation Air-sea exchanges and storage Climate models and impacts Palaeo-evolution 	<ul style="list-style-type: none"> Biological production and biogeochemistry Continent-shelf-ocean continuum Surface ocean-deep ocean links Scales of ecosystem variability 	<ul style="list-style-type: none"> Biodiversity Fisheries Aquaculture Marine biotechnology Sea floor and biodiversity mapping



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GOVERNMENT POLICY ACTIONS

The ships *Ciências do Mar (I, II, III)*, destined to carry out marine researches by Brazilian university students of different institutions.

Also, there are university ships, and technical research ships carried out by the Brazilian Navy



OPPORTUNITIES

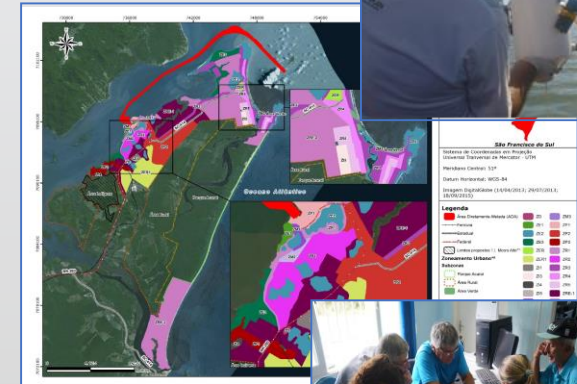
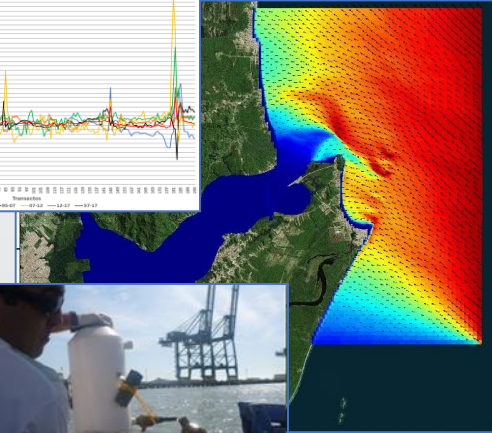
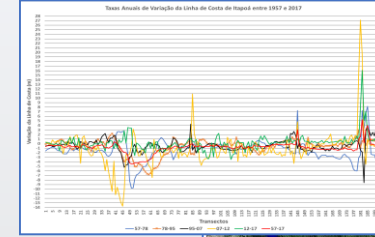
Training of oceanographers in different nations for their different realities

Enable oceanographers to work under local and international legislation

AOCEANO has been working on regularization of profession in Brazil, opening and maintaining the market

Exchange of knowledge and experience

Being prepared for 2021-2030 'Decade of Ocean Science'

2021 United Nations Decade
2030 of Ocean Science
for Sustainable Development



EXPECTANCY

Consolidation



Interlinking AOCEANO with international cooperation projects

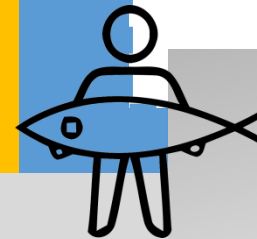


Assist in communication

Increment



Increase collaboration of institutions in the professional training process in Brazil



Fishing resources for capacity building



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