



Brazil and European Union

Marine Research Cooperation

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Ministry of Science, Technology, Innovations and Communications
MCTIC

All Atlantic timeline

JSC meeting

- Creates WG on Oceans
- Galway Statement is signed

EU-BR bilateral is signed

- EU mission to BR

Belem Statement

- BR, EU and ZA

2013

2014

2015

2016

2017

2018

BR mission to EU

- Experts to explore areas
- 1st bottom up approach

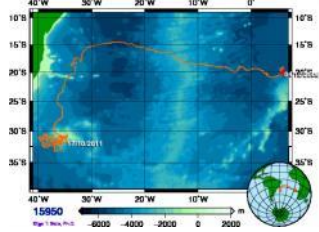
South-South Framework

- Defines science agenda (BR and ZA + AR, UR, NA, NA)

All Atlantic Forum

- BG 08 calls
- Belem being implemented

Brazil – EU Cooperation on Marine Research



- Joint Steering Committee Meeting (2013)
- Decided upon a Working Group on Marine Research, with a mandate on engaging in a stock taking exercise so as to capitalise on what exists, identify joint actions and timelines for implementation
- Co-chairs: MCTIC (Brazil) and RTD (EU)
- Support from the Sectorial Dialogues Facility, INCOBRA and others



Statement

To develop common expertise and scientific knowledge on the Atlantic Ocean and its dynamic systems, conducting sustainable joint research projects and improving reciprocal access to infrastructures, with a preliminary focus on seven areas of cooperation and a special mention for researchers', technicians' and other marine specialists' mobility and career development

1. Transatlantic Ocean Observation and Forecasting Systems;
2. Food security (including aquaculture);
3. Conservation and sustainable use of Atlantic biodiversity (including innovative uses such as biotechnology);
4. Ocean technology;
5. Ocean literacy;
6. Land-sea interactions (including nutrient flows); and
7. Polar research (especially interconnections between the Atlantic and Antarctica)

the European Commission and MCTIC confirm their intention to continue the cooperation in marine research and develop it further



Galway Statement



Máire Geoghegan-Quinn

**Máire GEOGHEGAN-
QUINN**
Commissioner for Research,
Innovation and Science

Edward Fast

Edward FAST
Minister of International
Trade and Minister for the
Asia-Pacific Gateway

Kerri-Ann Jones

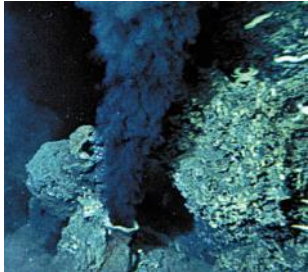
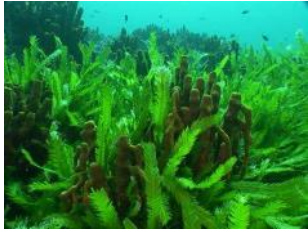
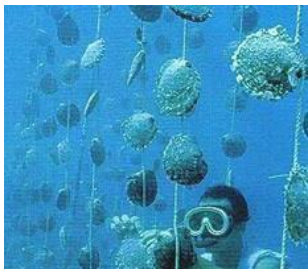
Dr Kerri-Ann JONES
Assistant Secretary of State
for Oceans and International
Environmental and Scientific
Affairs

Maria Damadaki

Maria DAMANAKI
Commissioner for Maritime
Affairs and Fisheries

AORA - Atlantic Ocean Research Alliance

- Implementation of the Galway Statement
- Involvement of the South Atlantic on the board
- Blue Growth calls in Horizon 2020
 - BG 08 – AtlantOS
 - BG 14 - Atlantic Ocean Research Alliance Coordination and Support Action





Workshop Sul-Sul

sobre a colaboração em pesquisa
no Atlântico Sul e Tropical

South-South Workshop
on Tropical and South Atlantic Research Collaboration



South-South Framework

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

- Lead by Brazil and South Africa
- Experts from Argentina, Uruguay, Namibia, Angola and Europe

A NEW ERA OF BLUE ENLIGHTENMENT

LAUNCHING THE EUROPEAN UNION – BRAZIL – SOUTH AFRICA
ATLANTIC OCEAN RESEARCH AND INNOVATION COOPERATION



12-14 JULY 2017 | LISBON

High level event

Belém Statement

Agreed areas:

- Climate variability and ecosystem approaches;
- Ocean observation (including seabed mapping), forecasting and monitoring processes and systems;
- Food security, fisheries management, aquaculture and biodiversity;
- Oceans technology (including for observation and renewable marine energy);
- The effects of emerging pollutants at sea;
- Polar research (especially interconnections between the Atlantic, the Southern Ocean and Antarctica).

Belém Statement



Belém Statement



ALL ATLANTIC FORUM



ALL ATLANTIC FORUM



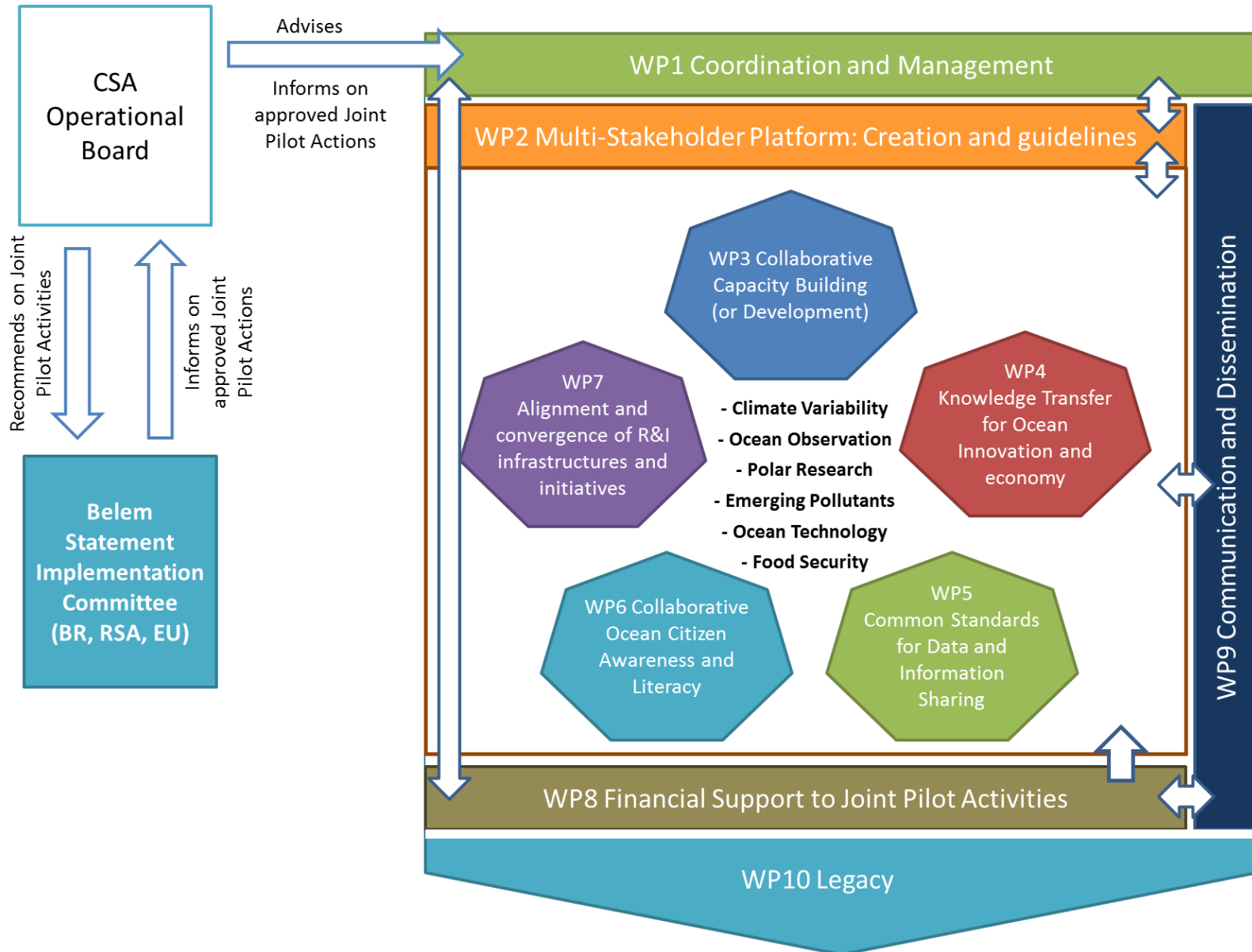
AANCHOR

All Atlantic Cooperation for Ocean Research and Innovation

1	Fundação Portuguesa para a Ciência e a Tecnologia I.P. (FCT)	Portugal
2	Instituto Português do Mar e da Atmosfera (IPMA)	Portugal
3	Sociedade Portuguesa de Inovação (SPI)	Portugal
4	Ciência Viva – ANCCT	Portugal
5	European Centre for Information on Marine Science and Technology (EurOcean)	Portugal
6	Joint Programming Initiative Healthy and Productive Seas and Oceans (JPI Oceans)	Belgium
7	Plataforma Oceánica de Canarias (PLOCAN)	Spain
8	Institut français de recherche pour l'exploitation de la mer (IFREMER)	France
9	Konsortium Deutsche Meeresforschung (KDM)	Germany
10	Department of Science & Technology (DST)	South Africa
11	The National Research Foundation (NRF)	South Africa
12	Council for Scientific and Industrial Research (CSIR)	South Africa
13	Ministério da Ciência, Tecnologia, Inovações e Comunicações (MCTIC)	Brazil
14	Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq)	Brazil
15	Conselho Nacional das Fundações Estaduais de Amparo à Pesquisa (CONFAP)	Brazil
16	Ministerio de Ciencia, Tecnología e Innovación Productiva (MINCYT)	Argentina
17	Universidade de Cabo Verde (UniCV)	Cape Verde

AANCHOR

All Atlantic Cooperation for Ocean Research and Innovation



International Cooperation in the Atlantic Ocean

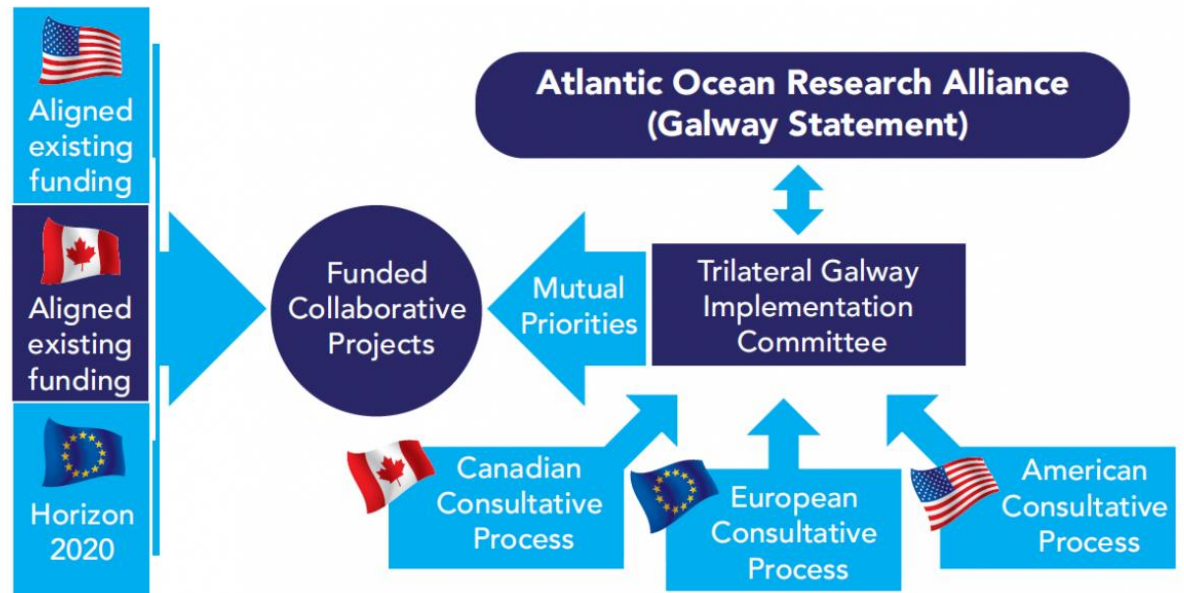
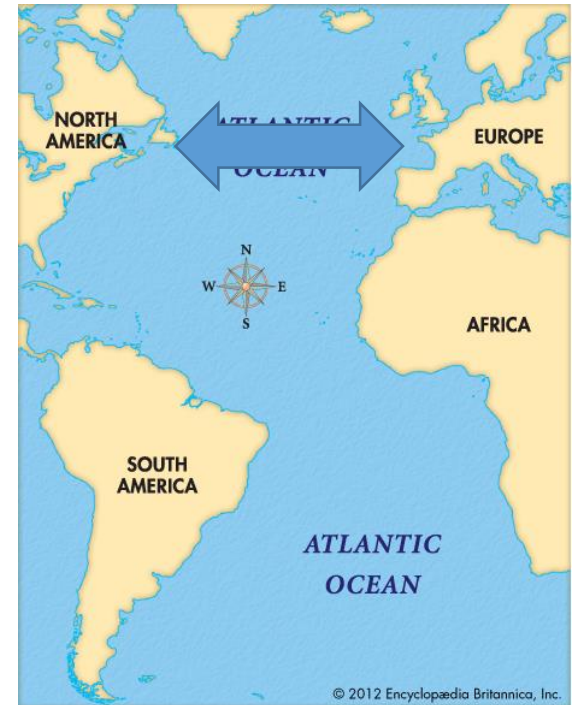
NORTH ↔ NORTH

The Canada - Europe - United States

Galway Statement on Atlantic Ocean Cooperation

Signed on 24 May 2013, with the following priorities:

- Atlantic Seabed Mapping and Characterization
- Aquaculture
- Ocean Literacy and Outreach
- Ocean Health and Stressors
- Ocean Observation and Prediction



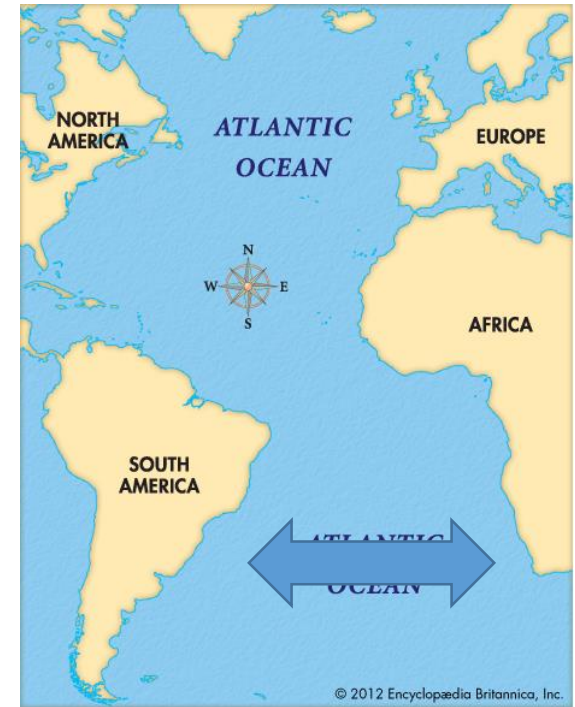
International Cooperation in the Atlantic Ocean

SOUTH ↔ SOUTH



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

The South-South Framework constitutes a bilaterally agreed plan for scientific cooperation in marine and oceanic research between South Africa and Brazil.



Although at this stage the Framework has been agreed to only between these two countries, its genesis lies in the ambition to develop a framework for a wide range of scientific cooperation linking all the nations adjoining the South Atlantic Ocean

Ecosystems variability and controlling processes

- Biological production and biogeochemistry
- Continent-shelf-ocean continuum
- Surface ocean-deep ocean links
- Scales of ecosystem variability

Living and non-living resources, and biodiversity

- Biodiversity
- Fisheries
- Aquaculture
- Marine biotechnology
- Sea floor and biodiversity mapping

International Cooperation in the Atlantic Ocean

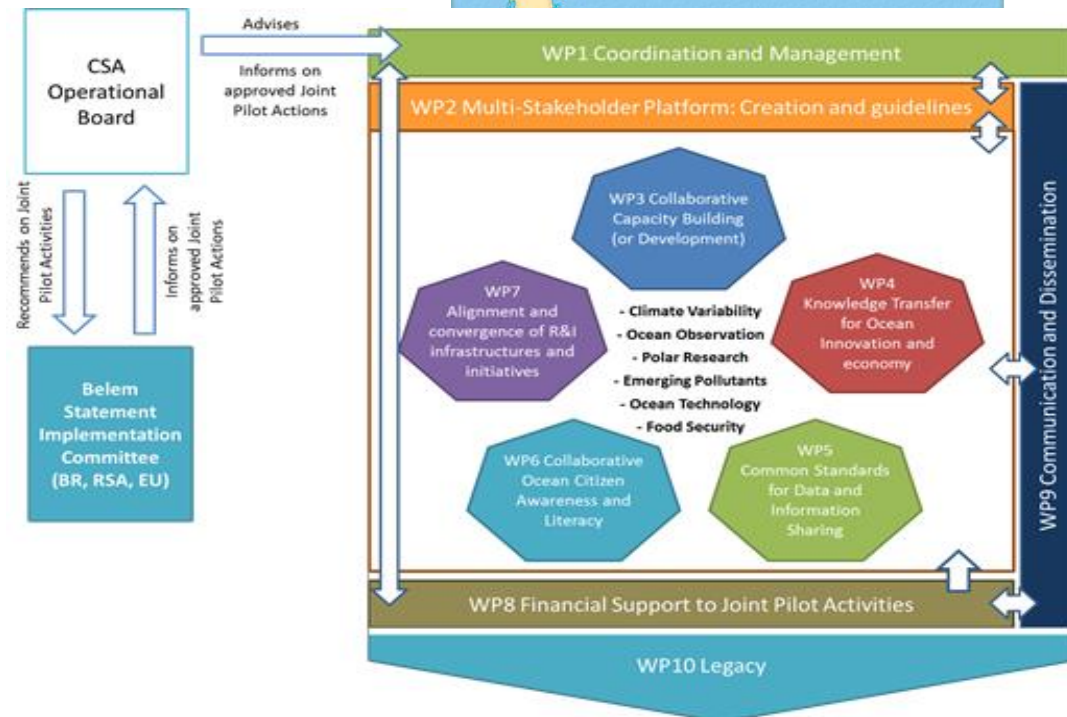
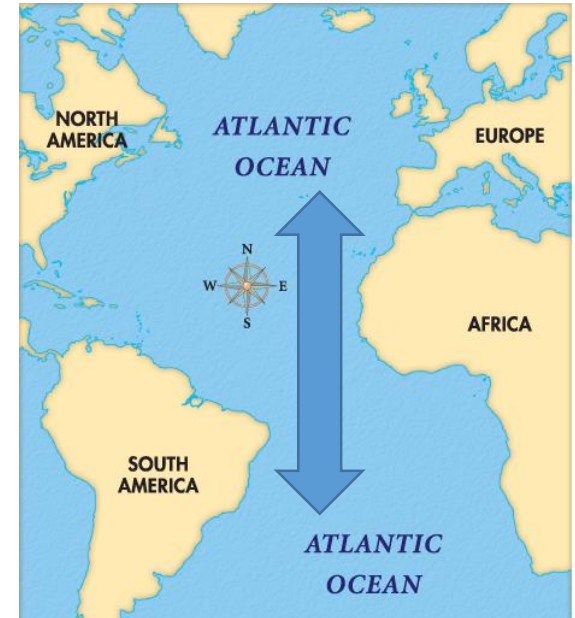
NORTH ↔ SOUTH

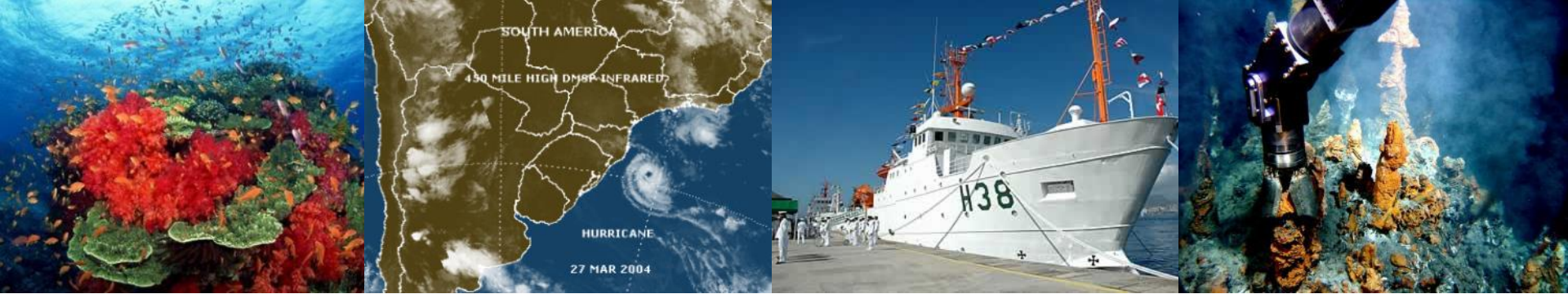
The Brazil - Europe - South Africa

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





Obrigado

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