

The Sargasso Sea Commission: navigating into uncharted waters

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Science Day Casablanca

Joint Session of the London Convention/Protocol Scientific Group (LC/SG 48 & LP/SG 17)

SARGASSOSE

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Where is the Sargasso Sea ? Why is it important ?

The Sargasso Sea Commission – Origin and Mandate

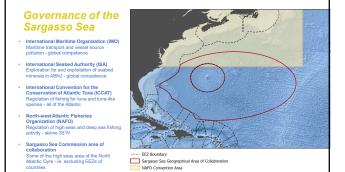
The new GEF Financed Work Programme





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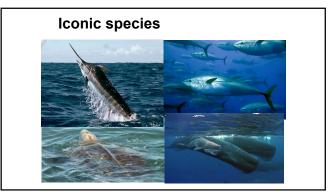




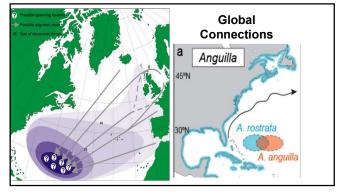








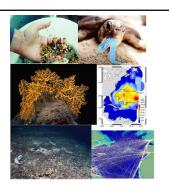




Human Impacts

- Climate change Ocean Acidification
- Plastics
- Plastics
 Impacts on
 Sargassum from
 Heavy traffic
 Pollution, spills,
 discharges,
 Exotic species
 Growing Fishing
 activity

- Deep Sea Mining Underwater cables ?



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Aims of the Sargasso Sea project from 2010

- (Led by the Government of Bermuda)

 To build a network of international partners to:

 Achieve international recognition of the global importance of the Sargasso Sea

 Work with existing international and sectoral organisations to achieve better protection for the Sargasso Sea in accordance with the Law of the Sea Convention

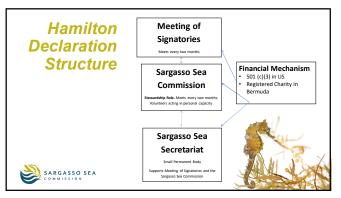
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SARGASSO SEA	
COMMISSION	













Agreed Work Programme

- International Recognition of the Ecological Importance of the Sargasso Sea
- 2. Fisheries and Fisheries Habitat Conservation
- 3. Impacts from International Shipping
- 4. Impacts to the Seafloor and Seabed
- 5. Conservation of Migratory Species 6. Defining Role in Data and Information Management





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Key Components

- > 4 year project for US \$3million
- > Child Project under FAO Common Ocean Program
- > UNDP Implementing /UNESCO IOC Executing agency
- An Ecosystem Diagnostic Analysis (EDA) for the Sargasso Sea Baseline for monitoring adaptive management/stewardship
- A road-map and budget for the adoption of an Ecosystem Based Approach to governance and conservation
- Strategic Action Programme defining the management or stewardship measures
- Knowledge Management, Monitoring and Evaluation



First GEF Financed High Seas Ecosystem Diagnostic IMPLEMENTING PARTNERS > NASA COVERAGE Project NASA COVERAGE Project Sargasso Sea is PILOT site for remote sensing and "Big Data" processing Duke University Marine Geospatial Ecology Laboratory Developing Portal for human impacts access to ecosystem data for assessment and governance

- > Imperial College Centre for Environmental Policy
- > Bermuda Institute of Ocean Science

State of the art Oceanography of the Sargasso Sea World's longest time series of ocean monitoring

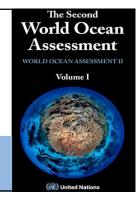


World Ocean Assessments 2016 and 2021

The only named ecosystem in the United Nations Global Reporting and Assessment of the State of the Marine Environment

Chapter 7Q Sargasso Sea



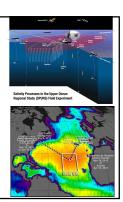




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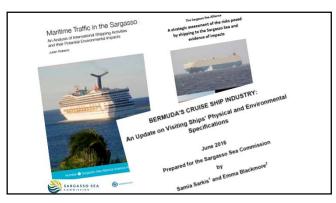
NASA COVERAGE project

- In-kind partnership project to develop initial satellite map product for Sargasso Sea
- 2017 Approved by Committee on Earth Observation Satellites (CEOS)
- Future phases other data providers on tagged animals, fishing and shipping information





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Deliverable 1 Progress Sargassum Remote Sensing Existing Indices Maximum Chlorophyll Index (MCI) or Alternative Floating Algae Index (AFAI) Gaps in time and/or spatial coverage time = 146251200.0 Jacob Barrier Sensing Algae Index (AFAI) Alternative Floating Algae Index (AFAI) Maximum Chlorophyll Index (MCI) – 2019 sum Sensinel 3A/3B OLCI NOAA Ocean Watch

