



Work Package 7: Policy Integration to Inform Key Agreements

ATLAS General Assembly, 10 April 2018

David Johnson, Seascope Consultants Ltd



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*Past year, looking ahead, milestones
deliverables and publications, practical issues*

UN Oceans Conference, June 2017

Sustainable Development Goals



1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



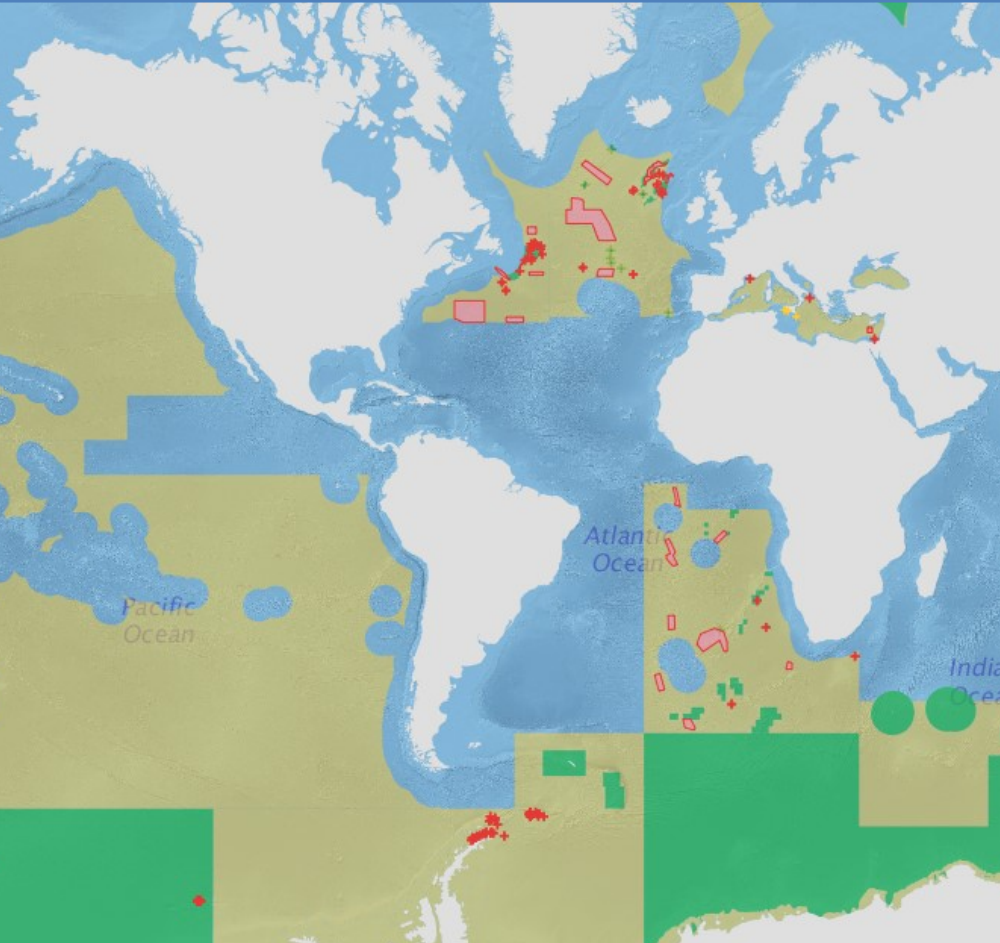
16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE FISHERIES



Food security? Target fish stocks reducing *'fishing down the food chain'*

Bycatch (e.g. seabirds)
Vulnerable Marine Ecosystems (VMEs)

Trigger points?
FAO Assessments show levels of historic unsustainable overfishing. RFMO progress

EU reformed CFP
MSY some stocks recovering to safe biological limits



View Areas Meeting the EBSA Criteria

All Regions

Arctic

Eastern Tropical and Temperat

Mediterranean

North Pacific

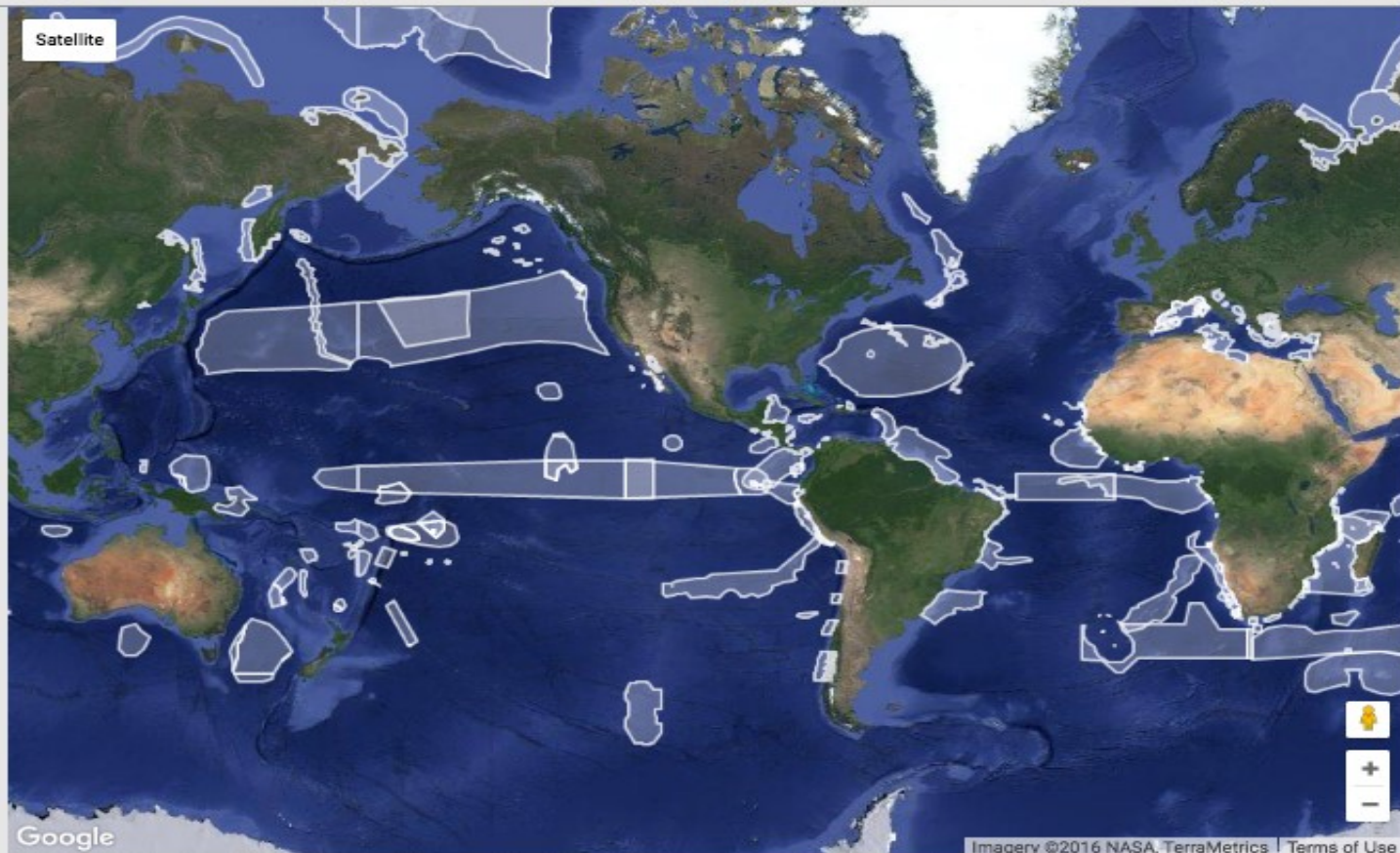
North-west Atlantic

South-Eastern Atlantic

Southern Indian Ocean

Western South Pacific

Wider Caribbean and Western



Google

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AICHI BIODIVERSITY TARGETS

Strategic Goal C: To improve the status of biodiversity by safeguarding ecosystems, species and genetic diversity



Target 11

- **By 2020, at least ... 10 % of coastal and marine areas, especially areas of particular importance for biodiversity and ecosystem services, are conserved through**
 - effectively and equitably managed,
 - ecologically representative and
 - well connected systems of protected areas and
 - other effective area-based conservation measures, and
 - integrated into the wider landscapes and seascapes.

BBNJ Prep Com process completed, now moving on to formal negotiations

UNCLOS 1982: overarching framework, rights and obligations, ecosystems not explicitly on the agenda

Resolution 72/249 (legally binding)

Package deal (4 sessions)

Prep Com report

Preambular elements (zero draft)

General principles and approaches

Different priorities, limited understanding of connectivity, different geographical coverages, limited capacity, limited domestic coordination



Opportunity for ATLAS: DOSI meeting 5-6 April: Paul Snelgrove – science questions to enable EBM + technology transfer; PEW informal discussions re High Seas MPA networks

Slide credit: Ward Appletons



STATE OF THE ENVIRONMENT REPORTING

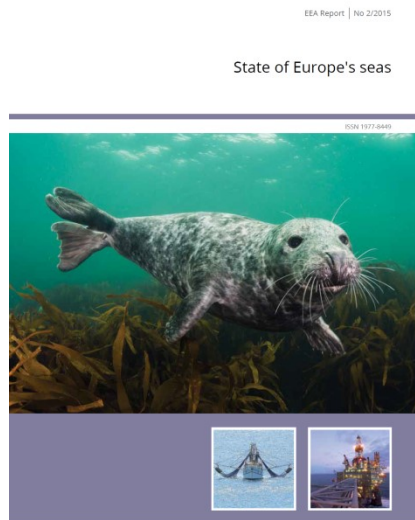
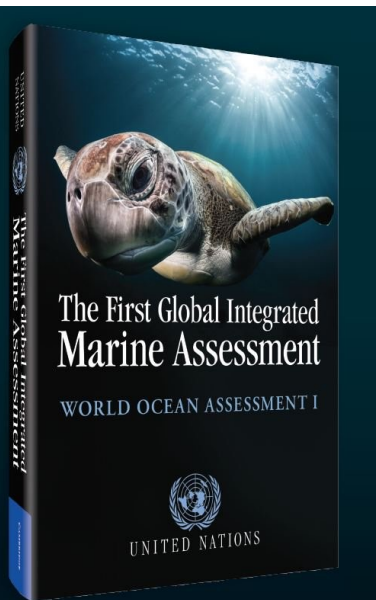
How are we doing? Are the oceans in trouble?

Establishing baselines

Assessment and monitoring

Hundreds of scientists from many countries ... indicate that the oceans' carrying capacity is near or at its limit. It is clear that urgent action on a global scale is needed to protect the world's oceans.'

BAN KI-MOON,
Former Secretary-General of the United Nations



European Environment Agency 

Intermediate Assessment 2017



Key Messages and Highlights



Introduction to the Intermediate Assessment 2017



Climate and Ocean Acidification



Socio-Economics



Pressures from Human Activities



Biodiversity Status



Ecosystem Assessment Outlook



Acknowledgements

OSPAR INTERMEDIATE ASSESSMENT 2017: key messages and highlights



The network of OSPAR Marine Protected Areas is expanding



Marine birds in trouble



Benthic habitats affected by bottom fisheries



Fish communities show signs of recovery in some areas



Mixed signals for marine mammals



Marine litter is a problem



Radioactive discharges from the nuclear sector have decreased



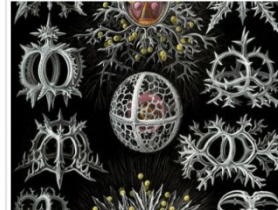
Contaminant concentrations are decreasing, but concerns remain



Discharges from offshore oil and gas installations have decreased due to OSPAR measures



Cooperation ensures progress



New developments in the way biodiversity is assessed



Eutrophication is still a problem in some areas

ATLAS opportunity: GES, cumulative impacts, MSP



2nd International Conference on **MARINE/MARITIME SPATIAL PLANNING**

15-17 March 2017
Paris, France



Image: Seas at risk



A NEW ERA OF BLUE ENLIGHTENMENT

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

12-14 JULY 2017 | LISBON



Future of the sea – GOV.UK: trends, challenges, opportunities



21 March 2018

Science holds the key to understanding the impact of a changing marine environment and informing our response.....

Emerging technology will stimulate economic growth and improve science capability.....

Business as usual is not an option: busier seas, demand for resources, environment transformed by climate change

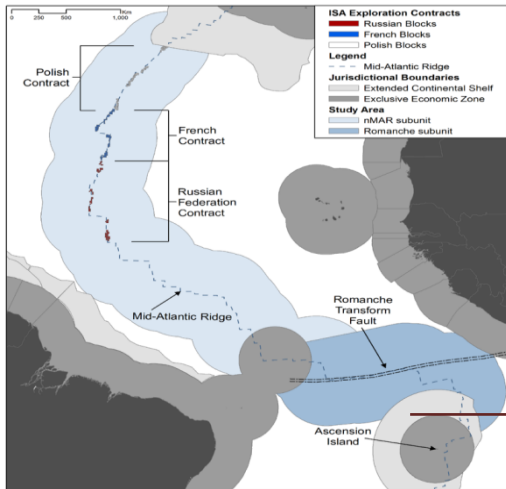
4 structural issues:

- Sea blindness
- Coordination and integration
- Long-term approach (infrastructure)
- Global (action and collaboration)



Forward Planning

- Regional Environmental Management Plan for the Atlantic (DSM)
- OSPAR/NEAFC Collective Arrangement meeting, Berlin 7-8 May 2018
- SPP 2, Ottawa Canada 11 May 2018
- Trans-Atlantic Symposium back to back with World Conference on Marine Biology, Montreal, May 2018 (Task 7.3)
- ATLAS session at WCMB
- Nausicaa Atlantic High Seas event, May / June 2018
- CBD: SBSTTA 22 (July 2018) and COP14 (November 2018)
- EC Blue Enlightenment, Bahia Brazil July 2018
- BBNJ IGC New York September 2018
- Arctic Ministers meeting, Rovaniemi, Finland, October 2018

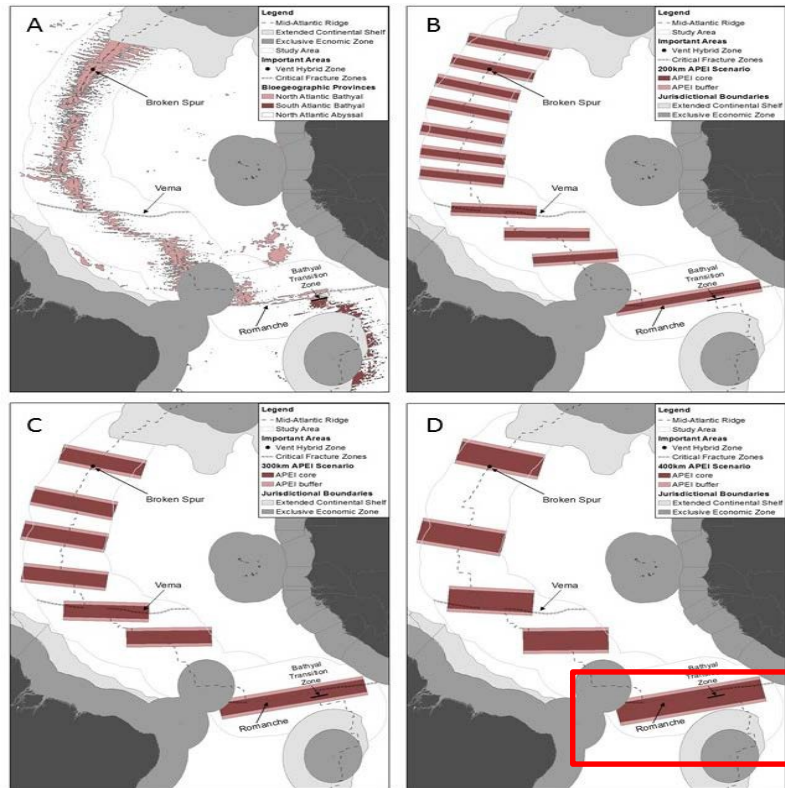


Network Criteria

1. Important Area
2. Representativity
3. Connectivity
4. Replication
5. Adequacy/ Viability

Romanche
Transform Fault

Biogeographic
transition
Overlaps "EBSA"

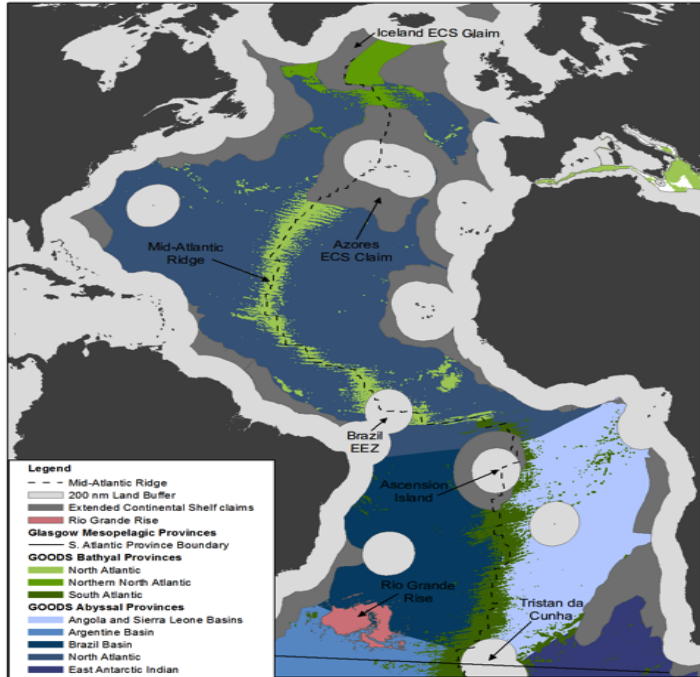


Dunn et al., submitted

Slide courtesy: Angel Perez

Regional Environmental Management Plan for the Atlantic

In collaboration with the International Seabed Authority:



Will provide a proactive area-based management tool to support informed decision making, balancing resource development with conservation

- Sulphide exploration contracts along the MAR (France, Russia, Poland) & cobalt-rich crusts on the RGR (Brazil)
- Establishing protected areas, e.g APEIs, will help meet internationally agreed conservation targets for the Area
- Stakeholder consultation over 3 years

Opportunity for ATLAS – explore synergies, important stakeholder interaction



NEAFC/OSPAR Collective Arrangement

7-8 May 2108, Berlin

- BBNJ, SOI Global Dialogue, WOA2, OSPAR and Catagena Convention
- OSPAR – Elvanov Seamount MPA proposal
- NEAFC – VME WG
- ATLAS briefing
- Cooperation on EIAs, OSPAR listed species and habitats, data exchange

Opportunity for ATLAS – discussion on what to present, DJ to take any spare ATLAS materials

North Atlantic VMEs, EBSAs and MPAs in a changing ocean

A one-day symposium on the implications of change on sensitive deep-sea ecosystems

12 May 2018, Montreal, Canada

Registration is free but spaces are limited. Lunch and refreshments provided. For more information and to register please contact Dr Vikki Gunn
(vikki.gunn@seascopeconsultants.co.uk)

Registration deadline 30 April 2018
www.eu-atlas.org



A Trans-Atlantic assessment and deep-water ecosystem-based spatial management plan for Europe

www.eu-atlas.org

North Atlantic EBSAs, VMEs and MPAs in a changing ocean

Saturday 12 May 2018

I

Auberge du Vieux Port, Montreal

Session 1: Introduction and context

Moderator: Prof. David Johnson, Seascope Consultants Ltd

09.00	Welcome; aims and objectives of the symposium <i>Prof. David Johnson, Seascope Consultants Ltd / ATLAS lead on Policy Interaction</i>
09.15	ATLAS resume: Blue Growth in a dynamic deep-sea environment <i>Prof. Murray Roberts, University of Edinburgh / ATLAS Project Coordinator</i>
09.30	Progress on biodiversity and biogeography to advance science and add new information - key messages <i>Dr Telmo Morato, IMAR University of Azores</i>
09.45	Selected case study examples: the Tropic Seamount and the Davis Strait <i>Dr Lea-Anne Henry, University of Edinburgh</i> <i>Dr Ellen Kenchington, DFO</i>
10.00	Conserving deep-sea sponge biodiversity: The SponGES project <i>Dr Joana Xavier, University of Bergen</i>
10.45	Discussion





Nausicaa 2018

- French National Sea Centre
- 19 May 2018: Journey on the High Sea, launch of massive new extension
- Ocean and Climate exhibition
- EMODnet connection

Opportunity for ATLAS – need to be proactive, support from French ATLAS partners, AquaTT and Dynamic Earth

UN Decade of Ocean Science 2021-2030

IOC to deliver a common implementation plan

Post 2020 Biodiversity Framework

CBD COP15 in 2020 expected to update the Strategic Plan (in context of 2050 vision “Living in Harmony with nature where by 2050 biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people” and 2030 Agenda for Sustainable Development). GBO5.

6th EMB Forum

Implementing the UN 2030 Agenda

What role for marine science? 6 December 2017, Brussels

European
MARINE BOARD
Advancing Seas & Ocean Science

**SUSTAINABLE
DEVELOPMENT
GOALS**



Marine science to support the UN2030 Sustainable Development Goals

6th EMB Forum Message

- Science integration
- Science capacity building
- Science engagement with society
- Science-based societal debate



Deliverables and publications

- 7.2 report: Marine Policy paper [to be covered by AF]
- MSP papers: Ferreira et al. (2018), MSP in ABNJ [submitted]
- 7.3 Conference/Symposium: programmed for May 2018 [due 30.4.19]
- Publications in development: Rockall and Hatton; MPAs; APEIs and OECMs



Management issues

- SvH withdrawn
- 18 month Review follow-up:
 - - climate projections at a sufficient spatial and temporal resolution
 - - low level of engagement of scientific associate partners in policy initiatives
 - - Regional Committees for selected Case Studies
 - - Explicit definition of selected scenarios
 - - Reinforced interactions with other WPs (especially WP6)
 - - Upscaling case study policy outcomes to regional/global scales
- More discussion needed D7.4 (IODINE), D7.5 (GC), [D7.6 and D7.7 IODINE], D7.8 (UOX)



To follow this.....

- Presentation on D7.2: Adelaide Ferreira
- Presentation on regulatory development relating to conserving the North Atlantic: Matt Gianni (remote)
- Presentation on implementing SDGs: David Johnson
- Breakout session 3: Refining the policy perspective:
 - SEA options
 - Defining Blue Growth
 - Emerging ATLAS policy messages

Thank you for listening



More than a view...

