

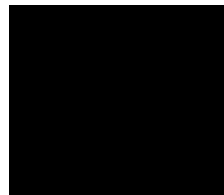
CBD Voluntary Specific Workplan on Biodiversity in Cold-Water Areas Within the Jurisdictional Scope of the Convention

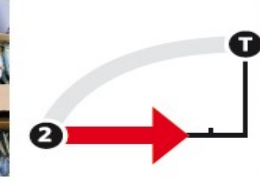
*3rd Session of BBNJ PrepCom
Atlas Side Event, 31 March, New York*

Joseph Appiott
Secretariat of the Convention on Biological Diversity



Convention on
Biological Diversity





In recognition of the urgent need to halt and reverse trends in global biodiversity loss, the Conference of the Parties (COP) adopted, in 2010, the

Strategic Plan for Biodiversity 2011-2020



Vision “By 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people”

AICHI BIODIVERSITY TARGETS





SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

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 DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

1 NO POVERTY

14 18

2 ZERO HUNGER

7 13 16

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14 LIFE BELOW WATER

3 6 8 10 11

15 LIFE ON LAND

2 5 17 8 9 11 12 15 16

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

19 20

17 PARTNERSHIPS FOR THE GOALS

19 20

20

Values of Marine Biodiversity

Roughly 40% of the world's population lives within 100 km of the coast



More than four billion people rely on fish for a substantial share of their protein intake



Oceans support essential global processes, such as CO₂ absorption and climate regulation



Fisheries sector employs approximately 200 million people



Hundreds of millions of people rely directly on marine biodiversity for their livelihoods

Ocean
Warming

Ocean
Acidification

Reduced
oxygen

Harmful
Fishing
Practices

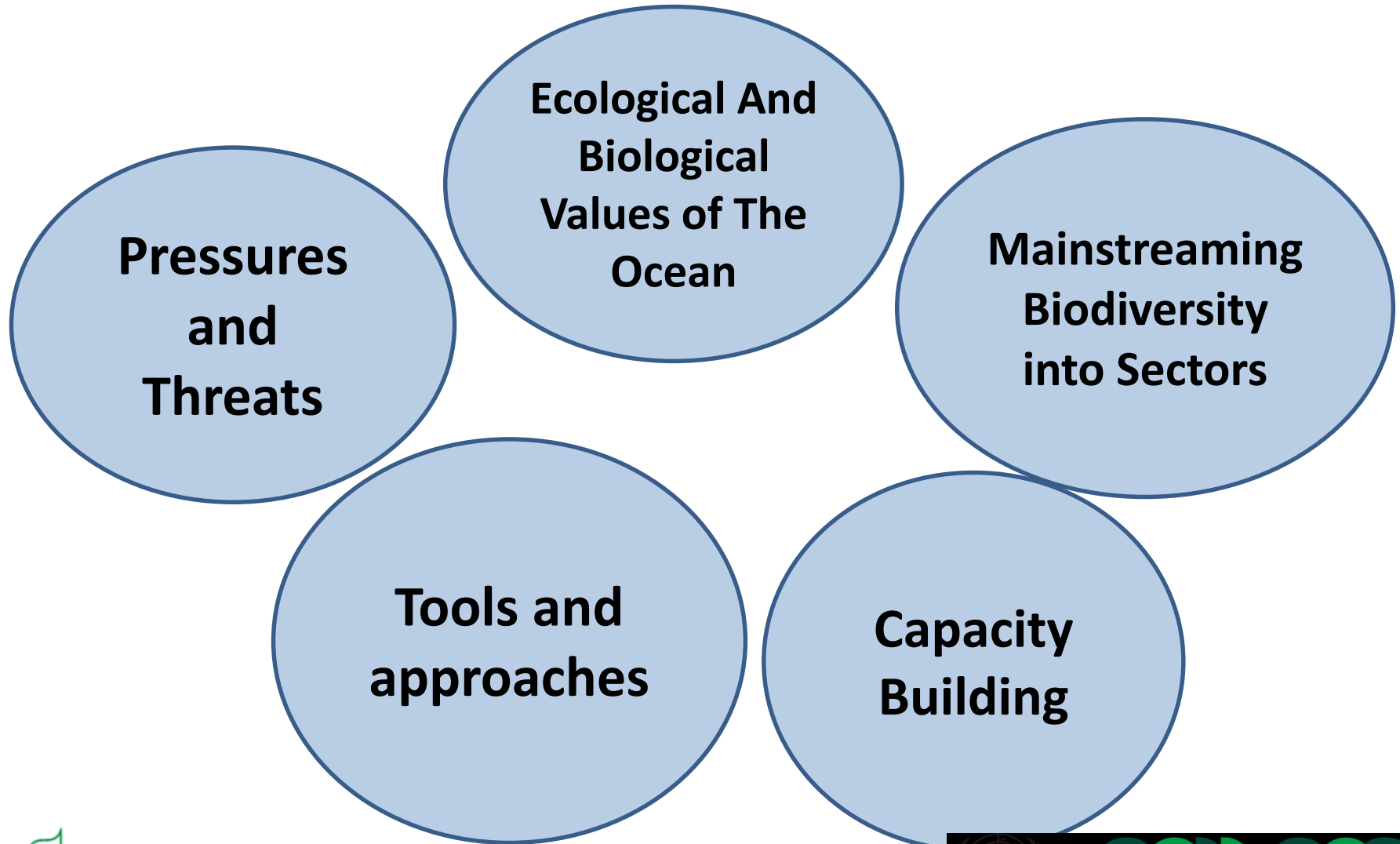
Invasive
species

Unsustainable
Exploitation

Pollution



Holistic Approach of CBD Thematic Work Programme on Marine and Coastal Biodiversity



Ocean
Warming

Ocean
Acidification

Reduced
oxygen

Harmful
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Practices

Invasive
species

Unsustainable
Exploitation

Pollution



Special Challenges in Open Ocean and Deep-Sea

Lack of baseline information

Limited understanding of vulnerabilities of species, habitats, ecosystems

Challenges in monitoring and enforcement

Significant gaps in capacity

Need for cross-cutting guidance on addressing multiple stressors in the open ocean and deep-sea

**CBD
COP 12
2014**

**Priority Actions to
Achieve Aichi
Biodiversity Target 10 for
Coral Reefs and
Associated Ecosystems**

**CBD Technical Series
No. 75: Updated
Synthesis on Ocean
Acidification**

Request to Executive Secretary to prepare
draft specific workplan on biodiversity and
acidification in cold-water areas

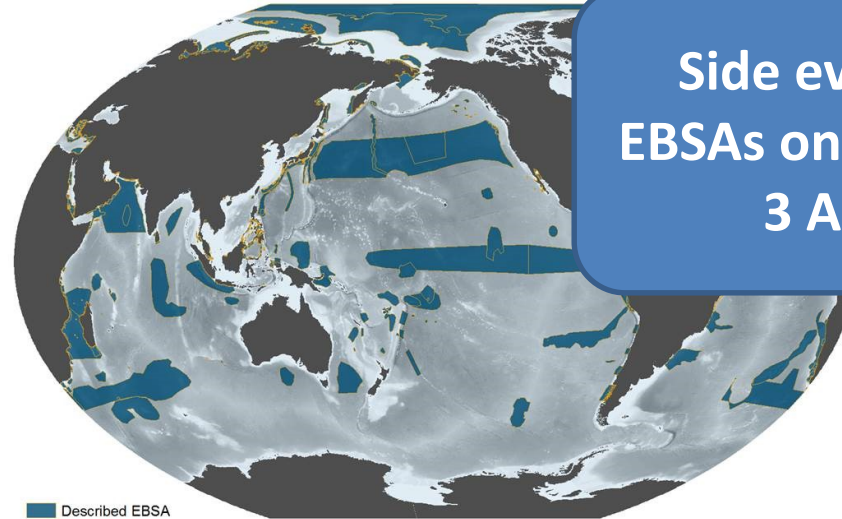
**CBD
COP 13
2016**

**Voluntary specific workplan on biodiversity in
cold-water areas within the
jurisdictional scope of the Convention**

Previous and Ongoing Work Under CBD Relevant to Open Ocean and Deep-Sea Ecosystems

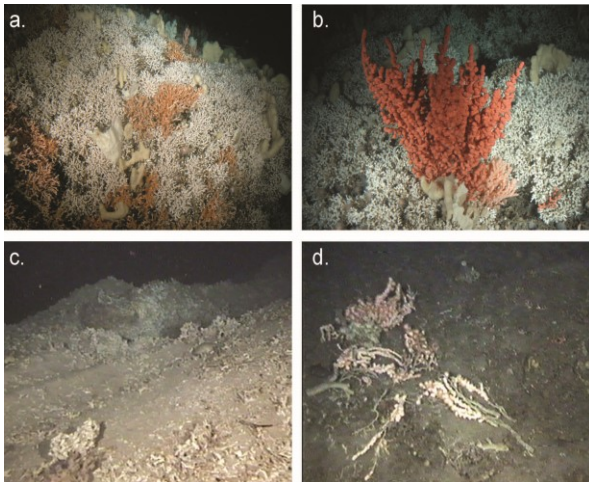
CBD Process on Ecologically or Biologically Significant Marine Areas (EBSAs)

- Description and mapping of areas that meet the EBSA criteria



Marine Geospatial Ecology Lab, Duke University (2017)

Side event on
EBSAs on Monday,
3 April



Roberts et al. 2009

CBD voluntary guidelines for consideration of biodiversity in environmental impact assessments (EIAs) and strategic environmental assessments (SEAs) in marine areas

- Guidance on integrating biodiversity-related considerations into the EIA and SEA process
- Specific focus on open ocean and deep-sea areas

Voluntary Specific Workplan on Biodiversity in Cold-Water Areas within the jurisdictional scope of the Convention

COP13-COPMOP8-COPMOP2
CANCUN, MEXICO 2016

Scope--Deep and open ocean, including both benthic and pelagic areas



Adopted by CBD Parties at COP 13, December 2016
(*CBD COP decision XIII/11*)

Encouraged Parties and competent intergovernmental organizations to implement the activities in the workplan

Invited Parties and research and funding organizations to promote activities to address the research and monitoring needs

Requested the Executive Secretary, in collaboration with Parties and relevant organizations, to facilitate, promote and support the implementation of the workplan

Objectives of the Workplan

- To **minimize and mitigate the impacts of global and local stressors**, and especially the combined and cumulative effects of multiple stressors;
- To **maintain and enhance the resilience of ecosystems in cold-water areas** in order to enable the continued provisioning of goods and services
- To **identify and protect refugia sites**, and areas capable of acting as refugia sites, and adopt, as appropriate, other area-based conservation measures, in order to enhance the adaptive capacity of cold-water ecosystems
- To **enhance understanding of ecosystems in cold-water areas**, including by improving the ability to predict the occurrence of species and habitats and to understand their vulnerability to different types of stressors as well as the combined and cumulative effects of various stressors
- To **enhance international and regional cooperation** in support of national implementation, building on existing international and regional initiatives

Main Sets of Actions in Workplan

Develop **integrated policies, strategies and programmes** related to biodiversity in cold-water areas (e.g., NBSAPS, sectoral policies)

Strengthen existing **sectoral and cross-sectoral management** to address stressors on cold-water biodiversity, including from unsustainable fishing, pollution, shipping, seabed mining

Develop and apply **MPAs and marine spatial planning** to reduce the impacts of local stressors, and especially the combined and cumulative effects of multiple stressors

Expand and improve **monitoring and research** to improve knowledge of how stressors will impact the viability of, and ecosystem services provided by, cold-water biodiversity

Improve coordination and collaboration in research, information sharing and capacity-building to address policy and management needs, and increase awareness

Identify and provide **sustainable sources of financing** at global, regional and national levels to enable the actions outlined in the workplan

Monitoring and Research Needs for Supporting the Implementation of the Voluntary Specific Workplan

- Improve knowledge to provide **baseline information** used for assessing the effects of climate change and other stressors
- Assess the **socioeconomic implications** of current and future pressures on cold-water biodiversity
- Conduct research to assess **how climate change and other human-induced stressors will impact the physiology, health and long-term viability** of cold-water organisms, habitats and ecosystems
- Improve **monitoring of environmental conditions** to understand variability in carbonate chemistry
- **Develop or expand upon predictive model research** to determine how projected climate change will impact over different time scales

Range of tools, approaches, experiences, and competencies across sectors

Unique challenges in deep-sea requires a holistic understanding and strategic approach to mitigate multiple stressors

CBD voluntary specific workplan signals attention by Parties on the need to consider cross-cutting elements of biodiversity in open-ocean and deep-sea areas

Efforts such as ATLAS and respond to the scientific needs to support actions outlined in the workplan



Convention on
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THANK YOU

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