



GLOBAL OCEANS FORUM ASSESSMENTS: HOW WELL ARE WE DOING?

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INTRODUCTION--THE IMPORTANCE OF RIO+20

The UN Conference on Sustainable Development (UNCSD), also known as the Rio+20 Summit, will take place in Rio de Janeiro, Brazil, on 4-6 June 2012, marking the 20th anniversary of the 1992 Earth Summit (UN Conference on Environment and Development (UNCED)) and the 10th anniversary of the 2002 World Summit on Sustainable Development (WSSD). The UNCSD aims to secure renewed political commitment for sustainable development, assess progress made and remaining gaps in the implementation of major agreements on sustainable development, and address new and emerging challenges, especially those relating to the transition to a low-carbon economy.¹

¹ UNGA resolution 64/236, para. 20(a).

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Both UNCED and the WSSD were instrumental in developing the global environmental governance framework and outlining steps to address the most pressing issues related to environment and development. Chapter 17 of Agenda 21, which was formulated and adopted at UNCED, provided for the protection and sustainable development of the marine and coastal environment and its resources with the application of integrated approaches to marine and coastal area management at global, regional, national, and local levels. At the WSSD, the world's political leaders committed to specific targets and timetables on implementing ecosystem-based approaches and integrated management in marine and coastal areas, protection of the marine environment from land-based activities, reduction of biodiversity loss and establishment of marine protected areas, sustainable development of small island developing States (SIDS), and fisheries management, among other targets.

However, oceans and coasts are still facing growing threats from overfishing, pollution, and climate change, among other pressures. While great strides have been made since UNCED, unsustainable utilization of ocean and coastal resources and gaps in the international environmental governance framework still threaten the long-term health and well-being of marine ecosystems and coastal communities. Rio+20 thus represents an important opportunity to take stock in progress made in the achievement of major goals and targets for oceans and coasts and to outline a new, operational vision towards strengthening the three pillars of sustainable development for the world's oceans and coasts.

ISSUES TO BE ADDRESSED AT RIO+20

Objectives:

- Securing Political Commitment for Sustainable Development
- Assessing Progress Towards Global Commitments
- Addressing New and Emerging Challenges

Themes:

A. Green Economy in the Context of Sustainable Development and Poverty Eradication

- Reconfiguring business and infrastructure to deliver better returns on natural, human and economic capital investments, while mitigating adverse environmental impacts, reducing social inequity, and alleviating poverty.
- Main tenets:
 - Investing in natural capital
 - De-carbonizing the economy
 - Creating green jobs

B. Institutional Framework for Sustainable Development

- Failure to halt environmental degradation is indicative of institutional weaknesses in developing and implementing policies on sustainable development.
- International environmental governance (IEG)² must be strengthened through:
 - Creating a strong and accessible science base and policy interface;
 - Developing a global authoritative voice for environmental sustainability;
 - Achieving effectiveness, efficiency and coherence within the UN system;
 - Securing sufficient and predictable funding;
 - Ensuring a responsive and cohesive approach to meeting the needs of countries.

RIO+20 CRITICAL ASSESSMENTS

The Rio+20 Summit provides a significant opportunity to critically assess progress made, or lack thereof, in the achievement of major goals and targets for oceans, coasts, and SIDS and to analyze

² UNEP. Eleventh special session of the Governing Council/Global Ministerial Environment Forum, Bali, Indonesia, 24–26 February 2010. UNEP/GCSS.XI/4, Annex.

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next steps in advancing the global oceans agenda in the context of the Rio+20 Summit. The Global Oceans Forum, with support from the Global Environment Facility (GEF) and the UN Development Programme (UNDP) will mobilize its volunteer network of experts from all regions of the world, together with collaborating organizations, to focus on the major themes contained in Chapter 17 of UNCED and the associated WSSD Johannesburg Plan of Implementation, as well as examine the cross-cutting issues of achieving a green economy and improving international environmental governance. The assessments will be concise and aimed at high-level policy leaders. The assessments will follow the pattern established in the Global Oceans Forum Report "Meeting the Commitments on Oceans, Coasts, and Small Island Developing States Made at the 2002 World Summit on Sustainable Development: How Well Are We Doing?" prepared by Biliana Cicin-Sain, Veerle Vandeweerd, Patricio A. Bernal, Lindsey C. Williams, and Miriam C. Balgos for the Third Global Conference on Oceans, Coasts, and Islands: Moving the Global Oceans Agenda Forward, at UNESCO, Paris, January 23-28, 2006. Available at: http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/WSSDReport_100406d.pdf

The assessments will address:

- The current status of the issue
- Evolution over time
- Extent of progress achieved
- Challenges that must be addressed in the next phase
- Toward a new vision

Timeline for completion:

August 2011

Drafts of assessments completed for peer review

September 2011

Consultation meeting to review assessments

November 2011 (prior to November 1)

Outcomes of critical assessments submitted as input to Rio+20 Preparatory Process

Critical analytical assessments will be organized around the following themes (subject to change):

I. REVIEW OF PROGRESS (OR LACK THEREOF) IN THE ACHIEVEMENT OF SPECIFIC UNCED/WSSD TARGETS

Assessment (1) The Status of Ocean Ecosystems and Coastal Communities, in the Context of Climate Change and Continuing Biodiversity Loss

I. Introduction

II. Assessing the State of the Marine Environment

- Oceans, the Largest Carbon Sink on Earth
- Status and Trends in Marine and Coastal Biodiversity
- Loss of Ecosystem Services

III. Major Threats to the Long-term Health and Well-being of Ocean Ecosystems and Coastal Communities

- Ocean Acidification
- Land-based Pollution

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- Overfishing and Unsustainable Aquaculture/Mariculture
- Invasive Species
- Ocean Warming and Associated Impacts
- Sea Level Rise
- Extreme Weather Events
- Impacts of Melting Ice in Both Arctic and Antarctic Polar Regions

IV. Central Drivers of Change

- Climate Change
- Non-sustainable Development and Population Rise
- Weak Ocean and Coastal Governance
- Subsidies to Sectors that Threaten Oceans (fishing, agriculture, fossil fuel exploitation, etc.)
- Land-based and Maritime Pollution
- Others

RELEVANT GLOBAL FORUM PUBLICATIONS

Eichbaum, W.M. (2009). "Climate Change and the Arctic Marine Environment." In Biliana Cicin-Sain, Ed., *Oceans and Climate Change: Issues and Recommendations for Policymakers and for the Climate Negotiations*, Global Forum on Oceans, Coasts, and Islands, 2009. Available at: <http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Policy-Briefs-WOC2009.pdf>

Caldwell, M. and S. Palumbi (2009). "The Pacific Ocean: Scientific Consensus on Issues and Problems." In Biliana Cicin-Sain, Ed., *Oceans and Climate Change: Issues and Recommendations for Policymakers and for the Climate Negotiations*, Global Forum on Oceans, Coasts, and Islands, 2009. Available at: <http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Policy-Briefs-WOC2009.pdf>

Mendler de Suarez, J., Cicin-Sain, B., Wowk, K, Payet, R., and O. Hoegh-Guldberg (2010). *Draft Policy Brief on Ensuring Survival: Oceans, Climate and Security*. Prepared for the 5th Global Conference on Oceans, Coasts, and Islands, May 3-7, 2010, UNESCO, Paris. Available at: <http://www.globaloceans.org/sites/udel.edu.globaloceans/files/PolicyBrief-Climate-Oceans.pdf>

Assessment (2) *Addressing Critical Uncertainties for the Management of the Marine Environment and Climate Change*

I. Introduction

II. Coordinated Scientific Research and Systematic Observation of the Marine Environment

- Global Marine Assessment
- Regionally-Based Efforts (e.g. Regional Seas Programme, other regional conventions and agreements and GEF-funded LMEs programs)
- Sectorally-Based Assessments by UN Agencies (e.g. Fisheries assessments by FAO)
- Scientific Global Assessments (e.g. Census of Marine Life, Marine Living Planet Index, Global Coral Reef Monitoring Network)
- Information Sources, Best Practices, and Experiences at the National and Sub-national level

III. Promoting Data-Exchange and the Provisioning of Information to Decisionmakers

- Involvement of Governments, International Agencies, NGOs, Industry, Scientists and the Public
- Maintaining Integrity and Consistency from Data to the decision chain across sectors
- Defining the Purpose of Indicators in Terms of Policy Formulation and Implementation, Taking into Account Multi-Sector Societal Benefits, Concerns and Jurisdictional Issues
- Implementation Considerations in Terms of Options and Tradeoffs, Relative Versus Absolute Comparisons, Uncertainty and Cost-Effectiveness.

IV. Cooperation for the development of standard procedures and techniques for scientific research on and systematic observation of the marine environment.

- Assessment of Assessments and Regular Process for Global Reporting and Assessment of the State of the Marine Environment
- Development of a Manageable Set of Consistent Indicators to Assess Ecosystem Health in Support of Ecosystem-Based Management (EBM) of Coastal Marine Systems
- Ocean Health Index Initiative (OHI)
- Transboundary Water Assessment Project (TWAP)

V. Recommendations for Action/Next Steps

RELEVANT PUBLICATIONS (Draft List)

UNEP and IOC-UNESCO 2009, An Assessment of Assessments, Findings of the Group of Experts. Start-up Phase of a Regular Process for Global Reporting and Assessment of the State of the Marine Environment including Socio-economic Aspects. ISBN 978-92-807-2976-4. Available at: http://www.unga-regular-process.org/images/Documents/aoa%20report_chapter%200.pdf

Assessment (3) *The Extent of Achievement of Ecosystem-Based, Integrated Ocean and Coastal Management in Areas of National Jurisdiction (coastal zones, exclusive economic zones), in Areas Beyond National Jurisdiction, and through regional approaches, such as PEMSEA, and the Large Marine Ecosystem (LME) and Regional Seas Programmes*

I. Introduction

II. Progress on UNCED Targets

- Application of Rio Declaration on Environment and Development Principles
- Status of Issues Addressed in Chapter 17 of Agenda 21
 - Integrated Management and Sustainable Development of Coastal and Marine Areas, Including Exclusive Economic zones
 - Marine Environmental Protection
 - Sustainable Use and Conservation of Living Marine Resources of the High Seas (biodiversity, marine mammals)
 - Sustainable Use and Conservation of Living Marine Resources under National Jurisdiction (biodiversity, marine mammals)

III. Progress on WSSD Targets

A. Operationalizing Ecosystem Management and Integrated Coastal and Ocean Management

- Operationalizing the Ecosystem-Based Management Approach: An Emerging Scientific Consensus
- Operationalizing Integrated Coastal and Ocean Management: A Well-Established Approach
- Marrying Ecosystem-Based Management, Integrated Coastal and Ocean Management, and Nascent Approaches, including Marine Spatial Planning

B. Achieving Ecosystem Management and Integrated Coastal and Ocean Management within 200-mile Exclusive Economic Zones under National Jurisdiction

- Coastal Area Management
- EEZ Management
- National Reports to the Convention on Biological Diversity
- The Evidence from SIDS Countries
- Linking Freshwater to Oceans in National Management: National Programmes of Action Under the GPA, IWRM, Coastal Management, and Their Interrelationships

C. Achieving Ecosystem Management and Integrated Coastal and Ocean Management in Regional Ocean Areas

- Regional Seas Programme
- Large Marine Ecosystems Programme
- Linking Freshwater to Oceans in Regional Seas Programmes, ICM Programmes and in LMEs
- The Experience of International Conventions which Call for the Ecosystem Approach
- NGO Efforts at Large-Scale Ecosystem-Based Management

D. Achieving Ecosystem Management and Integrated Coastal and Ocean Management in Ocean Areas Beyond the Limits of National Jurisdiction (ABNJ)

- Ecosystems and Resources in ABNJ
- Current Human Uses, Threats, and Priority Issues for Management
- Existing Legal Framework and Gaps in Governance/Management Policy
- Options for Improving Management and Governance of ABNJ

IV. New and Emerging Challenges

- Adapting to Climate Change Impacts through EBM and ICM
- Incorporating Marine Spatial Planning
- Mitigating Climate Change and Sustaining Coastal Resources through Protection and Restoration of Coastal Carbon Sinks (“Blue Carbon”)

V. Summary of Progress Achieved and Remaining Gaps: How Far We Have Come, What Needs to Be Done, What Emerging Issues Must Be Addressed? What Obstacles Must Be Overcome? What Funding is Needed? What Capacity Must Be Developed and How?

VI. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Freestone, D., Cicin-Sain, B., Hewawasam, I., and G. Hamon (2010). *Draft Policy Brief on Improving Governance: Achieving Integrated Ecosystem-Based Ocean and Coastal Management*. Prepared for the 5th Global Conference on Oceans, Coasts, and Islands, May 3-7, 2010, UNESCO, Paris. Available at:
<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/PolicyBrief-EBM-ICM.pdf>

Murawski, S., Cyr, N., Davidson, M., Hart, Z., Balgos, M., Wowk, K., and B. Cicin-Sain (2008). *Policy Brief: Ecosystem-based Management and Integrated Coastal and Ocean Management and Indicators for Progress*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at:
<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/EBM-ICM-PB-April4.pdf>

Sherman, K., Sklarew, D., Belkin, I., Oliver, J., Aquarone, M., and S. Seitzinger (2008). *Policy Brief: Large Marine Ecosystems*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at:
<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/LME-PB-June18.pdf>

Bruch, C. and K. Mengerink (2008). *Policy Brief: Compliance and Enforcement*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at:
<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Compliance-and-Enforcement-PB-June18.pdf>

Moving Toward Ecosystem-Based Management and Integrated Coastal and Ocean Management in Marine Areas Beyond National Jurisdiction (2008). Report from the Strategic Planning Workshop on Global Ocean Issues in Marine Areas Beyond National Jurisdiction in the Context of Climate Change Nice, France, January 23-25, 2008. Available at:
<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/High-Seas-PB-April9.pdf>

Miriam C. Balgos, Caitlin Snyder, Biliiana Cicin-Sain, David Freestone, and Chris Tompkins. 2008. Executive Summary: Workshop on Governance of Marine Areas Beyond National Jurisdiction: Management Issues and Policy Options, November 3-5, 2008, Singapore. Available at: <http://www.globaloceans.org/sites/udel.edu.globaloceans/files/Singapore-Workshop-ExecutiveSummary.pdf>

Assessment (4) *Protection of the Marine Environment*

I. Introduction

II. Protection from Land-Based Activities

- Controlling Point and Non-Point Source Pollution
- Reducing Impacts of Physical Destruction/Modification of Coastal Areas
- Implementing the Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA)

III. Protection from Maritime Activities

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- Reducing Impacts from Shipping and Ports
 - Air Pollution
 - Ballast Water Discharge
 - Operational Discharge and Runoff
- Reducing Impacts from Offshore Oil and Gas Operations
 - Discharges and Emissions
- Mitigating Risk and Adverse Impacts of Accidents at Sea
 - Spill Response Centers
 - Industry Standards

IV. Systematic and Coordinated Observation of Marine Environmental Quality

V. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Cicin-Sain, B., Vandeweerd, V., Bernal, P., Williams, L., and M. Balgos (2006). Meeting the Commitments on Oceans, Coasts, and Small Island Developing States Made at the 2002 World Summit on Sustainable Development: How Well Are We Doing? Co-chairs' Report – Volume 1 (2006). Available at:
http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/WSSDReport_100406d.pdf

Assessment (5) *The Status and Prospects for Fisheries and Aquaculture Within and Outside of National Jurisdiction*

I. Introduction

II. Overfishing and IUU Fishing

- Building Capacity to Prevent and Deter IUU Fishing
- Eliminating Perverse Subsidies and Reducing Fishing Overcapacity
- Developing More Robust MCS (Monitoring, Control, Surveillance) Networks
- Improving Management of Tuna and Other Large Pelagic Fisheries

III. RFMO Effectiveness

- Coordination and Cooperation Between RFMOs and other Regional Bodies
- Transparency and Accountability
- Expanding RFMO Scope and Mandate (where appropriate)

IV. Sustainable Aquaculture

- Mitigating Environmental and Ecological Impacts
- Developing Appropriate Policies and Regulatory Frameworks
- Best Management Practices and Guidelines (such as Integrated Multi-Trophic Aquaculture)

V. Climate Change and Fisheries

- Impacts and Implications on Fisheries and Fish Habitat
- Incorporating Climate Change Issues into Fisheries Management

VI. Small-Scale and Artisanal Fisheries Management

- Facilitating Effective Community-Based Management
- Integrating Traditional Knowledge into Management Frameworks
- Role in Integrated Coastal Management Frameworks

VII. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Lent, R., English, E., Wuff, R., Pulvenis de Séligny, J., Mahon, R., Cox, A., Balton, D., Tompkins, C., Tinkham, S., Metzner, R., Terry, J., McGoodwin, J.R., Mellano, G., Bexten, A., and K. Moore (2008). *Policy Brief: Fisheries and Aquaculture – Sustainability and Governance*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at: <http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Fisheries-and-Aquaculture-PB-April2.pdf>

Assessment (6) *The Special Issues Associated with Small-Island Developing States (SIDS) and Oceans, Especially in the Context of Climate Change*

I. Introduction

II. Adoption and Improved Implementation of EBM/ICM in SIDS

- Development and implementation of integrated national ocean policies within the context of the SIDS regional ocean policies
- Addressing the impacts of coastal development and coastal tourism, intensive and destructive fishing practices, pollution, and unreported and illegal trade in corals
- Establishment of Marine Protected Areas
- Monitoring, conservation and sustainable management of coral reefs and associated ecosystems

III. Adaptation to Climate Change

- Development and implementation of national adaptation strategies
- Facilitating regional and interregional cooperation
- Securing appropriate funding for adaptation to climate change

IV. Capacity-building for Ocean and Coastal Management

- Investing in appropriate training focusing on issues related to ocean and coastal management
- Capacity development through the SIDS Universities Consortium, SIDS regional organizations and NGO networks
- Capacity development in monitoring the state of the marine environment
- Development of human resources and institutional capacity within SIDS for implementing multilateral environmental agreements

V. EEZ and High Seas Resources Management

- Delimitation of maritime boundaries
- Submission of claims to the Continental Shelf Commission in accordance with the Convention on the Law of the Sea
- Assessment of seabed living and non-living resources within national jurisdiction

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- Building technical and financial capacities to deal with issues related to fisheries and fishing vessels

VI. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Payet, R. (2008). *Policy Brief on SIDS and Implementation of the Mauritius Strategy*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at:

<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/SIDS-and-Mauritius-Strategy-PB-April2.pdf>

Capacity Building Assessments in Small Island Developing States in the Pacific, Caribbean, Indian Ocean, the Atlantic, and the Community of Portuguese-Speaking Countries. Prepared for the third Global Conference on Oceans, Coasts, and Islands, January 23-28, 2006, UNESCO, Paris. Available:

<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/PreConferenceSIDSAssessments.pdf>

Loper, C., M. C. Balgos, B. Cicin-Sain, C. Jarvis, J. Lilley, I. Torres de Noronha, A. Skarke, and J. F. Tavares (2005). *Small Islands, Large Ocean States: A Review of Ocean and Coastal Management in Small Island Developing States since the 1994 Barbados Programme of Action for the Sustainable Development of Small Island Developing States (SIDS)*. Available at:

http://www.globaloceans.org/sites/udel.edu.globaloceans/files/SmallIslandsLargeOceanStates_0.pdf

Byrne, J., L. Glover, V. Inniss and G. Alleng (2005). *Island Bellwether: Climate Change and Energy Policy Strategy for Small Island Developing States*. Paper Series No. 2005-2: Toward Mauritius 2005 Series. Available at:

http://www.globaloceans.org/sites/udel.edu.globaloceans/files/IslandBellwether_0.pdf

Loper, C., D. Tesch, K. Goldstein and I. Torres de Noronha (2004). *Global Multilateral Environmental Agreements and Small Island Developing States*. Paper Series No. 2005-2: Toward Mauritius 2005 Series. Available at:

<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/GMEA-and-SIDS.pdf>

Belfiore, S. 2003. *Voluntary Partnership Initiatives from the 2002 World Summit on Sustainable Development and Small Island Developing States*. Available at:

<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/VoluntaryPartnershipInitiatives.pdf>

Assessment (7) *Biodiversity Loss, Climate Change, and Networks of Marine Protected Areas*

I. Introduction

II. Global Goals for Marine Biodiversity and MPAs

- CBD and WSSD 2010 Biodiversity Target
- WSSD 2012 MPA Target

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- CBD COP-10 Aichi Biodiversity Targets

III. Implications of Climate Change for Marine Biodiversity

- Ocean Acidification
- Impacts on Coral Reef Ecosystems
- Implications for Ecosystem Structure and Function
- Climate Change Response Strategies and Marine Biodiversity

IV. MPAs and Marine Spatial Planning

- Identifying Areas of Biological and Ecological Significance
- Improving Cross-Sectoral Coordination for Area-Based Management
- Developing Representative Networks of MPAs
- Up-scaling MPAs and Marine Spatial Planning in Ecosystem-Based Management

V. Strengthening the Science-Policy Interface

- Providing Decision-makers Accurate, Timely, and Policy-Relevant Scientific Information
- The Role of the Intergovernmental Platform on Biodiversity and Ecosystem Services

VI. Developing and Supporting Effective Biodiversity and Ecosystem Services Valuation

VII. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Smith, S, Meliane, I., White, A., Cicin-Sain, B., Snyder, C., and R. Danovaro (2009). Climate Change on Marine Biodiversity and the Role of Networks of Marine Protected Areas. In Biliana Cicin-Sain, Ed., *Oceans and Climate Change: Issues and Recommendations for Policymakers and for the Climate Negotiations*, Global Forum on Oceans, Coasts, and Islands, 2009. Available at:

<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Policy-Briefs-WOC2009.pdf>

Vierros, M., Cicin-Sain, B., Arico, S., and C. Lefebvre. Preserving Life: Halting Marine Biodiversity Loss and Establishing Networks of Marine Protected Areas in 2010 and Beyond. In Djoghlaif and Dodds (eds.), *Biodiversity and Ecosystem Insecurity—A Planet in Peril*. Earthscan, Forthcoming. Previous draft version available at:

<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/PolicyBrief.pdf>

Vierros, M., and Appiott J., *Summary of The Oceans Day at Nagoya at the Tenth Meeting of the Conference of the Parties to the Convention on Biological Diversity*, Nagoya, Aichi Prefecture, Japan, October 23, 2010. Available at:

http://www.globaloceans.org/sites/udel.edu.globaloceans/files/Nagoya_Summary.pdf

Cicin-Sain B., Terashima H., and Jumeau R., Nagoya Oceans Statement, *Co-Chairs' Statement*, Emanating from the Oceans Day at Nagoya, held on October 23, 2010 during the Tenth Meeting of the Conference of the Parties to the Convention on Biological Diversity (CBD COP 10), Nagoya, Japan. Available at:

http://www.globaloceans.org/sites/udel.edu.globaloceans/files/Nagoya_Oceans_Statement.pdf

Wells, S. (lead author) (2008). *Policy Brief: Marine Biodiversity and Networks of Marine Protected Areas*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April

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7-11, 2008, Hanoi, Vietnam. Available at:

<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Biodiveristy-and-MPAs-PB-May15.pdf>

Assessment (8) *Integrated Water Resources Management*

I. Introduction

II. Freshwater to Oceans “Hotspots”

- Identifying Highly Sensitive Coastal Areas
- Area-Based Protection Measures

III. Climate Change Impacts on Coastal Areas Affecting Water Resources

- Sea-Level Rise and Coastal Inundation
- Salt-water Intrusion

IV. Utilizing Non-Conventional Water Resources from Marine Areas

- Seawater Desalination
- Coastal Fog Harvesting

V. Linking Integrated Water Resources Management (IWRM) and ICM

- Integrating Land-use Planning and ICM
- Mitigating Impacts of Terrestrial Activities on Marine Water Resources
- Linking Upstream-Downstream

VI. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Cid, G., Lewsey, C., and T. Jønch-Clausen (2008). *Policy Brief: Linking the Management of Freshwater, Oceans, and Coasts*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at:
<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Freshwater-to-Oceans-PB-April3.pdf>

Assessment (9) *Financing*

I. Introduction

II. Coastal Climate Change Adaptation

- Inadequacy of Current Cost Estimates

III. Special Issues related to Small Island Developing States

III. Ecosystem-Based, Integrated Ocean and Coastal Management

IV. Marine Environment Protection and Marine Biodiversity Preservation

V. Public Private Partnerships

VII. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Mendler de Suarez, J. “Strategic Climate Financing for Adaptation on the Frontlines— Differential Impacts, Vulnerabilities, and Opportunities for Coastal and Island Countries.” Ocean & Coastal Management (forthcoming).

Assessment (10) Capacity Development, and Public Outreach: The Needs and the Challenges

Introduction

I. Mobilizing Public Support and Political Will

- Increasing Government Involvement and Commitment
- Education and Outreach to Encourage Ocean and Coastal Stewardship
- Innovative Strategies in Knowledge Management for Sustainable Development (including social media)

II. Encouraging Partnerships and Multi-Agency Cooperation

- Developing partnerships and coordination platforms at international, regional, national and sub-national levels

III. Strengthening Linkages with and among Different Sectors

- Linking and Strengthening Management Structures, Processes, and Procedures
- Joint Human Resource Development and Training
- Joint Identification and Promotion of Best Practices

IV. Developing and Implementing a Global Strategy for Building Capacity in Ocean and Coastal Management

V. Recommendations for Action/Next Steps

RELEVANT GLOBAL FORUM PUBLICATIONS

Hewawasam, I. (lead author) (2008). *Policy Brief: Strategic Interventions for Developing Capacity to Improve Governance of Oceans, Coasts, and Small Island Developing States Over the Period 2008 to 2018*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at: <http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Capacity-Building-PB-April2.pdf>

Cira, M., and P. Vallette (2008). *Policy Brief: Developing a Strategy for Public Education/ Outreach/Media*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at: <http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Public-Education-PB-April2.pdf>

Kullenberg, G., Mendler de Suarez, J., Wowk, K., McCole, K., and B. Cicin-Sain (2008). *Policy Brief: Climate, Oceans, and Security*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at: <http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Climate-and->

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Balagos, M., Cicin-Sain, B., Cira, M., Vallette, P., Lefebvre, C., and P. Neill (2009). "Oceans and Climate Change: Mobilizing the Public and the Private Sector for Action." In Biliana Cicin-Sain, Ed., *Oceans and Climate Change: Issues and Recommendations for Policymakers and for the Climate Negotiations*, Global Forum on Oceans, Coasts, and Islands, 2009.

Available at:

<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Policy-Briefs-WOC2009.pdf>

II. RIO+20 THEMES

Assessment (11) *The Role of the Oceans in the New Low-Carbon (Blue) Green Economy*

I. Introduction

II. The Role of Ocean and Coastal Ecosystems in the Global Carbon Cycle

- Quantifying Coastal and Marine Carbon Stores
- Integrating the Value of Blue Carbon into Development Frameworks
- Protection and Restoration of Coastal and Marine Ecosystems as Carbon Stores
- Promoting the Inclusion of Blue Carbon into Carbon Finance Markets

III. Oceans as a Viable Source of Renewable Energy

- Sources and Prospects for Development (e.g. Offshore wind, wave, and tidal energy)
- Policy Options and Regulatory Frameworks
- Identifying and Mitigating Negative Environmental and Ecological Implications

IV. Sustainable Ocean and Coastal Livelihoods

- (Blue) Green Job Creation
- Public-Private Partnerships
- Local-Level and Community-Based Management

V. Valuation of Marine Biodiversity and Ecosystem Services

- Building Understanding of Market and Non-Market Values of Marine Biodiversity and Ecosystems
- Integrating Valuations into Management and Development Frameworks

VI. Challenges and Obstacles in Moving Towards a Blue Economy

- Defining the (Blue) Green Economy Concept and Its Role in Sustainable Development
- Developing Country Perspectives on the (Blue) Green Economy

VII. Recommendations for Action/Next Steps

RELEVANT PUBLICATIONS (Draft List)

Nellemann, C., Corcoran, E., Duarte, C. M., Valdés, L., De Young, C., Fonseca, L., Grimsditch, G. (Eds). 2009. Blue Carbon. A Rapid Response Assessment. United Nations Environment Programme, GRID-Arendal. Available at:

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<http://www.grida.no/publications/rr/blue-carbon/>

Appiott, J. (2011). Oceans: An Inexhaustible Source of Energy. In Tubiana, L., Jacquet, P., and R.K. Pachauri (Eds.), *A Planet for Life 2011—Oceans: The New Frontier*. Paris, France. Institute for Sustainable Development and International Relations, and the French Development Agency.

Appiott, J. Wowk, K., Dhanju, A. and B. Cicin-Sain. “Encouraging Renewable Forms of Energy Using the Oceans.” Forthcoming in *Ocean & Coastal Management Journal*. Previous draft version available at:

<http://www.globaloceans.org/globaloceans/sites/udel.edu.globaloceans/files/Policy-Briefs-WOC2009.pdf>

Byrne, J., L. Glover, V. Inniss and G. Alleng (2005). *Island Bellwether: Climate Change and Energy Policy Strategy for Small Island Developing States*. Paper Series No. 2005-2: Toward Mauritius 2005 Series. Available at:

http://www.globaloceans.org/sites/udel.edu.globaloceans/files/IslandBellwether_0.pdf

Assessment (12) *Improved International Environmental Governance*

[THIS SECTION UNDER DEVELOPMENT]

- Ensuring coherence and coordination UN ocean-related activities;
- Ensuring the implementation of WSSD goals;
- Maintaining the visibility of oceans in global fora (e.g., UNGA) and in the UN Secretary-General’s Office;
- Creating a strong and accessible science base and policy interface;
- Developing a global authoritative voice for environmental sustainability;
- Securing sufficient and predictable funding;
- Ensuring a responsive and cohesive approach to meeting the needs of countries;
- Crafting/maintaining an international process open and inclusive to civil society.

RELEVANT GLOBAL FORUM PUBLICATIONS

Freestone, D., Cicin-Sain, B., Hewawasam, I., and G. Hamon (2010). *Draft Policy Brief on Improving Governance: Achieving Integrated Ecosystem-Based Ocean and Coastal Management*. Prepared for the 5th Global Conference on Oceans, Coasts, and Islands, May 3-7, 2010, UNESCO, Paris. Available at:

<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/PolicyBrief-EBM-ICM.pdf>

Murawski, S., Cyr, N., Davidson, M., Hart, Z., Balgos, M., Wowk, K., and B. Cicin-Sain (2008). *Policy Brief: Ecosystem-based Management and Integrated Coastal and Ocean Management and Indicators for Progress*. Prepared for the 4th Global Conference on Oceans, Coasts, and Islands, April 7-11, 2008, Hanoi, Vietnam. Available at:

<http://www.globaloceans.org/sites/udel.edu.globaloceans/files/EBM-ICM-PB-April4.pdf>

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