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**EXPERT WORKSHOP TO PROVIDE
CONSOLIDATED PRACTICAL GUIDANCE
AND A TOOLKIT FOR MARINE SPATIAL
PLANNING**

Montreal, 9-11 September 2014

**COMPILATION OF INFORMATION TO SUPPORT THE DISCUSSIONS OF THE EXPERT
WORKSHOP TO PROVIDE CONSOLIDATED PRACTICAL GUIDANCE AND A TOOLKIT
FOR MARINE SPATIAL PLANNING**

Note by the Executive Secretary

1. The Executive Secretary is circulating herewith a compilation of information in support of the CBD Expert Workshop to Provide Consolidated Practical Guidance and a Toolkit for Marine Spatial Planning, being convened by the Executive Secretary to the Convention on Biological Diversity from 9 to 11 September 2014 in Montreal, with the financial support of the European Commission.
2. This compilation consists of a list of reference materials that are directly relevant to the workshop objectives, selected from submissions from Parties and organizations in response to notification SCBD/SAM/DC/JL/JA/JM/82140 (2014-025), dated 19 February 2014. The original reference materials are available at <http://www.cbd.int/doc/?meeting=MCBEM-2014-04>.
3. These reference materials are being circulated in the form and language in which they were received by the Secretariat of the Convention on Biological Diversity.

Table 1. Reference materials related to experiences in marine spatial planning.

Country/Region	Scale	Title	Description
Antigua and Barbuda	Regional (subnational)	Barbuda Blue Halo Initiative [1] [2] [3] [4]	The initiative is focused on developing a plan to sustainably manage Barbuda's coast that heavily engages the community in the planning process, minimizes and negative impact on fishing and coastal livelihoods, includes sanctuary zones to restore fish populations and habitats, and is based on scientific, social, and economic data.
Australia	Regional (subnational)	Marine Bioregional Plan for the South-west Marine Region	The bioregional plans provide advice on conservation values and priorities and support decision-making under the Environment Protection and Biodiversity Conservation Act of 1999. Marine bioregional plans were also developed with the objective of supporting those undertaking activities in Commonwealth marine areas so they better understand and comply with their environmental obligations. The plans consolidate information into these plans, as a basis for decision-making and prioritization of research and investment. In addition, the plans provide a platform for the use of two spatially defined ecological constructs—key ecological features and biologically important areas.
		Marine Bioregional Plan for the North-West Marine Region	
		Marine Bioregional Plan for the North Marine Region	
		Marine Bioregional Plan for the Temperate East Marine Region	
	Regional (subnational)	Zoning, a fundamental cornerstone of effective Marine Spatial Planning: Lessons learnt from the Great Barrier Reef	The Great Barrier Reef Marine Park was established to provide for conservation and ecologically sustainable multiple use of 344,400 km ² of a large marine ecosystem. Management in the Park is based on multiple uses, with zoning as a fundamental component of marine spatial planning. The paper discusses some common misunderstandings about zoning and identifies lessons that emerging from the Great Barrier Reef Marine Park relevant for other efforts addressing management and use of marine ecosystems and natural resources.
Belgium	National	A marine spatial plan for the Belgian part of the North Sea	The marine spatial plan for the Belgian part of the North Sea aims to balance sectoral interests and bring them into the framework of the marine ecosystem, with the vision of a clean, healthy, productive and biologically diverse sea. This long term vision has been translated into concrete environmental, security, economic, cultural, social and scientific objectives as part of the marine spatial plan for the Belgian part of the North Sea for the period 2014-2020.
Colombia	Regional (subnational)	Avances en el Manejo Integrado de Zonas Costeras En el Departamento del Cauca	This report on the ICZM program of the Cauca department of Colombia describes the region's biophysical, socioeconomic, and governance characteristics, as well as describing the establishment and implementation of

			the ICZM program of Cauca. The program addresses five management categories: protected areas, sustainable resource use, sustainable production, and urban and rural settlements, with an emphasis on promoting local participation.
	Regional (subnational)	Lineamientos Y Estrategias Para El Manejo Integrado de la Unidad Ambiental Costera Del Darién - (Uac-Darién), Caribe Colombiano	This report on the ICZM program of the Darién department of Colombia provides an integrated diagnosis of the marine environment of the region, and describes the region's ICZM framework and guidelines. The ICZM action plans are focused on environmental quality and sustainability, sustainable production, social investment, and cultural heritage.
	Regional (subnational)	Ordenamiento Ambiental de la Zona Costera del Departamento del Atlántico	This report on the ICZM program of the Atlántico department of Colombia describes the region's biophysical, socioeconomic, and governance characteristics, as well as the establishment and implementation of the ICZM program. The program includes various action plans that address environmental quality, sustainable economic development, and stakeholder outreach and engagement.
	Regional (subnational)	Plan de Manejo Integrado de la Zona Costera para el Complejo de las Bocanas de Guapi e Iscuandé PACIFICO COLOMBIANO Fase II	This report on the planning and implementation stage of the ICZM program of the Guapi-Iscuande region of Colombia describes the marine environment in the region, and the approach and action plans of the region's ICZM program. The program addresses conservation of biodiversity, improved environmental planning, promotion of economic development, education and participation, and knowledge building.
	Regional (subnational)	Unidad Ambiental costera de la Llanura Aluvial del Sur (UAC-LLAS), Pacífico colombiano: Plan de manejo integrado de la zona costera	This report on the ICZM program of the southern floodplains region in the Nariño department of Colombia describes the methodologies, objectives, and action plans of the program, as well as profiles of its individual projects. The program involves environmental land planning, environmental quality, sustainable socioeconomic development, strengthening and participation of institutions and communities, and environmental education.
EU	Regional (supranational)	Proposal for a Directive of the European Parliament and of the Council establishing a framework for maritime spatial planning and integrated coastal management	The main purpose of the proposed directive is to promote the sustainable growth of maritime and coastal activities and the sustainable use of coastal and marine resources by establishing a framework for the effective implementation of maritime spatial planning in EU waters and integrated coastal management in the coastal areas of Member States. The proposed directive is not sector-specific, but covers all policy areas of the Treaty on the Functioning of the European Union (TFEU) with an impact on coasts, seas and oceans

	Regional (supranational)	Stakeholder consultation on MSP and ICZM—Summary Results	Stakeholder consultations were conducted in support of the development of the proposal for a Directive of the European Parliament and of the Council establishing a framework for maritime spatial planning and integrated coastal management.
	Regional (supranational)	Preparatory Action on Maritime Spatial Planning in the North Sea (MASPNOSE) (2010-12)	This project aimed to facilitate concrete, cross-border cooperation among European countries on ecosystem-based MSP. The project analyzed the current conditions on MSP in the North Sea, including ecological and biological features as well human use and its impact. This information was used to design a process for cross-border MSP and to develop a concept for monitoring and evaluation of these processes.
	Regional (supranational)	Planning the Bothnian sea: Outcome of Plan Bothnia - a transboundary Maritime Spatial Planning pilot in the Bothnian Sea	The project, which was coordinated by HELCOM, used the Bothnian Sea area between Sweden and Finland as a case study of Baltic transboundary MSP. This project was a MSP preparatory action for the Baltic Sea, and presents a draft marine spatial plan for the Bothnian Sea. This draft plan aimed to develop a coherent framework to address a wide range of issues such as maritime traffic, fisheries, wind power and nature protection.
	Regional (supranational)	BaltSeaPlan (2009-2012)	This project aimed to create the basis for developing, introducing and implementing maritime spatial planning throughout the Baltic Sea in a coherent manner. The project included the demonstration of marine spatial planning in 8 pilot areas: Danish Straights / T-Route, Pomeranian Bight, Western Gulf of Gdansk, Middle Bank, Lithuanian Coast, Western Coast of Latvia, Pärnu Bay, Hiiumaa and Saaremaa Islands.
	Regional (supranational)	Transboundary Planning in the European Atlantic (2012-14)	This project, which is co-funded by DG MARE, is focused on developing a commonly-agreed approach to cross-border MSP in the European Atlantic region and examines critical elements of the planning process in the context of legal and policy frameworks, participatory approaches and technical considerations. The TPEA project is a response to the European Commission's call for a project on MSP in the Atlantic, including Celtic Sea and Bay of Biscay, and involves ten governmental and research partners from Ireland, Portugal, Spain and the UK, and expert advisors from the whole region are also actively involved.
	Regional (supranational)	ADRIPLAN (2013-2015)	The project aims to deliver a commonly-agreed approach to cross-border MSP in the Adriatic-Ionian Macroregion, considered as a whole and more specifically through two focal areas: (1) Northern Adriatic Sea; and (2) Southern Adriatic / Northern Ionian Sea). The proposal promotes the harmonized implementation under an ecosystem based approach of the EU

			legislative framework on marine and maritime issues, including the ICZM Protocol for the Mediterranean and the new Directive proposal on ICZM-MSP (COM(2013)133). It will provide detailed proposals and recommendations for the implementation of cross-border MSP.
	Regional (supranational)	Exploring the potential of Maritime Spatial Planning in the Mediterranean Sea	The primary objective of this study is to examine the feasibility of applying MSP in the Mediterranean as a whole, analyze obstacles to MSP and suggest potential actions forward for its concrete application in the Mediterranean as a whole as well as in its specific sub-regions or sea areas. The study focused on reviewing previous experiences and initiatives, establishing the elements that should be taken into consideration for the identification and characterization of potential areas for the application of MSP, describing the areas with potential for the application of MSP in the Mediterranean together with a listing of the relevant stakeholders, analyzing the potential obstacles and difficulties for MSP application in the Mediterranean Sea basin, and identifying specific aspects of the application of the ten key principles for MSP as described in the Roadmap
	Regional (supranational)	Study on the economic effects of maritime spatial planning	This study aims to provide greater insight into MSP's economic effects (e.g., the effects of MSP for the maritime economy and stakeholders directly related to the maritime economy). Factors such as employment and environmental effects are not included in this study. Unlike cost benefit analyses, the report is mostly limited to a qualitative assessment of the benefits associated with MSP, although it also includes a methodology which has been applied to provide an indication of the quantitative effects of MSP.
	Regional (supranational)	Legal aspects of maritime spatial planning	The objectives of this study are to: - Examine the constraints imposed on MSP by international and European Community (EC) law relating to a range of specific activities; - Propose a set of indicators to assist in measuring progress towards MSP; - Describe practices for planning and licensing of marine activities in a sample of coastal Member States; and - Assess the relationship between the type of constitutional governance structure of a country and its ability to develop effective MSP.
Finland	Regional (subnational)	Regional Plan of Kymenlaakso [1] [2]	The regional plan of Kymenlaakso, (Kymenlaakso regional plan on trade and sea area / Kymenlaakson maakuntakaava, kauppa ja merialue) focuses on, among other issues, current MSP challenges and possible future demands, including issues related to the EU directive on MSP. The plan, which will be implemented in phases, was approved by the Regional Council of

			Kymenlaakso in December 2013 and final ratification by the Ministry of the Environment is expected in 2014. Planning in the Kymenlaakso region is aimed at implementing general goals of MSP and integrated coastal zone management within the framework of already existing regional land use and development legislation. The MSP process is closely connected to the inland areas.
Mexico	Regional (subnational)	Gulf of California	This study investigates the application of systematic conservation planning (SCP) in the Gulf of California, a marine hotspot where seven prioritization exercises have been undertaken. The review of planning exercises showed that the use of SCP methods has progressed slowly (gaps include planning for land-sea connections and ecosystem services) and highlighted benefits and difficulties of applying SCP principles and tools.
Netherlands	National	Policy Document on the North Sea (2009 – 2015)	The aim of this North Sea Policy Document is to provide transparency about the central government's North Sea policy choices in the National Water Plan. This involves providing insight into the considerations underlying these choices, giving direction to policy implementation and specifying the relationship with adjoining policy domains, where necessary.
New Zealand	Regional (subnational)	Hauraki Gulf MSP process	The Hauraki Gulf MSP process is proposed to cover 'all of Gulf' issues including matters relating to marine protection, fisheries management and resource management (including the catchments). It is expected that the resulting Hauraki Gulf marine spatial plan will be implemented through existing legislative tools, including land use plans to control sedimentation and pollution as well as coastal plans and any relevant policies, rules and regulations under the Resource Management Act. Further, it is expected that the plan will be used to develop sustainability measures under the Fisheries Act, such as aquaculture plans, as well as identify areas of recreational and social value.
Portugal	National	National Ocean Strategy 2013 – 2020 and Mar-Portugal Plan	Portugal's National Ocean Strategy 2013-2020 presents a model for the development of Portugal's ocean and coastal areas. It also presents the Mar-Portugal Plan, an action plan mainly aimed at the economic, social and environmental valorization of Portugal's maritime space through the implementation of sectoral and cross-sectoral projects, as well as the already existing national strategic plans or those in preparation.

Table 2. Reference materials related to tools and approaches for marine spatial planning

Title	Author(s)	Type of Tool/Approach	Type of Publication
OSS: A Spatial Decision Support System for Optimal Zoning of Marine Protected Areas	Crossman, N.D., B. Ostendorf, B.A. Bryan, A. Nefiodovas and A. Wright	Optimisation Support System (OSS)	Journal article
Participatory tools for coastal zone management: Use of stakeholder analysis and social mapping in Australia	Rockloff, S., and S. Lockie	Stakeholder analysis and social mapping	Journal article
Developing an integrated planning framework and decision support methods for biodiversity conservation and sustainable natural resource management across the marine-terrestrial interface	Stewart, R.R., T.J. Ward, M. Watts, L. Kircher, and H.P. Possingham	Marxan with Zones (software)	Report
Conceptos y guía metodológica para el manejo integrado de zonas costeras en Colombia Manual 1: Preparación, caracterización y diagnóstico	Alonso D., Sierra-Correa P., Arias-Isaza, F. and M. Fontalvo.	Planning and diagnostics of coastal zone management	Manual
Conceptos y guía metodológica para el manejo integrado de zonas costeras en Colombia Manual 2: Planificación de la Zona Costera	Rojas Giraldo, X., Sierra-Correa P.C., Lozano-Rivera P., López Rodríguez A.	Development and adoption of coastal zone management	Manual
Conceptos y guía metodológica para el manejo integrado de zonas costeras en Colombia Manual 3: Gobernanza	Sanclemente, G.; A.P., Zamora Bornachera; A. López Rodríguez; M. Hernández-Ortiz; F.A., Arias-Isaza and P.C. Sierra-Correa.	Governance of coastal zone management	Manual
GIS tools for marine spatial planning and management	Martin, S., and T. Pitkänen	Geographic Information Systems (GIS)	Report
GIS for Ocean Conservation	ESRI	Geographic Information Systems (GIS)	Report
Marxan with Zones: Software for optimal conservation based land- and sea-use zoning	Watts, M.E., Ball, I., Stewart, R., Klein, C., Wilson, K., Steinback, C., Lourival, R., Kircher, L., and H. Possingham	Marxan with Zones (software)	Journal article
Integrating remote sensing products and GIS tools to support marine spatial management in West Hawai'i	Wedding, L., Gibson, B., Walsh, W., and T. Battista	Remote sensing products and Geographic Information Systems (GIS)	Journal article
Using siting algorithms in the design of marine	Leslie, Heather, Ruckelshaus, Mary,	Use of simulated annealing	Journal article

reserve networks	Ball, Ian R., Andelman, Sandy, and Possingham, Hugh P.	algorithms to help site marine reserves	
Spatial Analysis and Resource Characterization Tool	NOAA's National Marine Protected Areas Center	Spatial Analysis and Resource Characterization (SPARC)	Report
Tools for Coastal-Marine Ecosystem-Based Management	NatureServe	Software tools for ecosystem-based management (EBM)	Report
An Inventory of GIS-based Decision-Support Tools for MPAs	Pattison, D., dosReis, D., and H. Smillie	Marine-based decision-support tools	Report
Linking Terrestrial and Marine Conservation Planning and Threats Analysis	Tallis, H., Ferdana, Z., and E. Gray	Threats assessment and Marxan	Journal article