

**Convention on Wetlands (Ramsar, Iran, 1971)**  
**19th Meeting of the Scientific and Technical Review Panel (STRP)**  
**2 to 6 November 2015, Gland, Switzerland**

Doc. STRP19-4

**Scientific and Technical Review Panel  
 Literature Review Gap Analysis**

The following gap analysis was prepared by the Secretariat building on a preliminary literature review survey prepared by the STRP Chair (DOC.STRP19-3), to assist the STRP in the development of its work plan for the 2016-2018 triennium in line with the type of guidance requested by and the target audiences identified by Resolution XII.5 (see paragraphs 54-55, Annex I).

The aim of this document is to help the Panel identify existing Ramsar and non-Ramsar related scientific and technical guidance relevant to the five STRP thematic work areas, the nature of the guidance (i.e. technical or scientific) and the target audiences they address.

It is expected that the Panel will build upon this document during the course of the meeting.

<b>Thematic Work Area No.1: Best practice methodologies / tools to monitor Ramsar Sites, including surveying, mapping, and inventorying recognizing traditional practices of indigenous peoples and local communities</b>					
<b>Resolution/Ramsar Briefing Notes/Ramsar Technical Report</b>	<b>Type of guidance</b>	<b>Target audience (practitioners, policymakers, scientists)</b>	<b>Ramsar Handbook</b>	<b>Language<sup>1</sup></b>	<b>Other non-Ramsar related guidance<sup>2</sup></b>
<a href="#">Resolution XII.15: Evaluation of the management and conservation effectiveness of Ramsar Sites</a>	Technical	Practitioners	Not yet included in a Handbook	EFS	<a href="#">Monitoring Important Bird Areas: a global framework</a> BirdLife

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<sup>2</sup> Please note that the guidance listed in this column does not necessarily match against a particular Resolution but it is relevant to the theme as a whole.

					International, E
<a href="#">Resolution XI.12: Wetlands and health: taking an ecosystem approach</a>	Technical	Polymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">An Integrated Wetland Assessment Toolkit: A guide to good practice</a> IUCN, E
<a href="#">Resolution X.15: Describing the ecological character of wetlands, and data needs and formats for core inventory: harmonized scientific and technical guidance</a>	Scientific/Technical	Scientist/practitioners	13, 15, 14, 18, 19	EFS	<a href="#">Monitoring and Evaluation Guidelines for Community Based Wetland Resource Management</a> IUCN, E
<a href="#">Resolution X.16: A Framework for processes of detecting, reporting and responding to change in wetland ecological character</a>	Technical	Practitioners, policymakers	13, 14, 16, 19,	EFS	<a href="#">Global Lakes and Wetlands Database</a> WWF
<a href="#">Resolution X.21: Guidance on responding to the continued spread of highly pathogenic avian influenza</a>	Scientific/Technical	Scientist	4, 1	EFS	<a href="#">Biodiversity and Ecosystem Services Trends and Conditions Assessment Tool</a> The Nature Conservancy
<a href="#">Resolution IX.1, Annex D: Ecological “outcome-oriented” indicators for assessing the implementation effectiveness of the Ramsar Convention</a>	Scientific/Technical	Scientist/Polymakers	11, 13	EFS	<a href="#">Management Effectiveness Tracking Tool</a> WWF & World bank, EFS
<a href="#">Resolution IX.1, Annex E: An Integrated Framework for wetland inventory, assessment and monitoring (IF-WIAM)</a>	Scientific/technical	Scientists, Practitioners	13, 14, 15, 18	EFS	<a href="#">Guidance for National Biodiversity Indicator Development and Use</a> Biodiversity Indicators Partnership, EFS (and others)
<a href="#">Resolution IX.1, Annex Ei: Guidelines for the rapid assesment of inland, coastal and marine wetland biodiversity</a>	Scientific/Technical	Scientists/Practitioners	1, 13	EFS	
<a href="#">Resolution VIII.6: A Ramsar</a>	Technical	Practitioners, policymakers	14, 15, 13	EFS	

<a href="#">Framework for Wetland Inventory</a>					
<a href="#">Resolution VII.10: Wetland Risk Assessment Framework</a>	Scientific/Technical	Scientist/Practitioners	18, 13	EFS	
<a href="#">COP11 DOC. 24: Limits of Acceptable Change</a> (Resolution XI.4 the Status of Sites in the List of Wetlands of International Importance.)	Scientific/Technical	Scientist/Practitioners	Not included in a Handbook	E	
<a href="#">Ramsar Technical Report No. 1: Guidelines for the rapid ecological assessment of biodiversity in inland water, coastal and marine areas</a>	Scientific/Technical	Scientists		EFS	
<a href="#">Ramsar Technical Report No. 2: Low-cost GIS software and data for wetland inventory, assessment &amp; monitoring</a>	Scientific/technical	Scientists, practitioners		ES	
<a href="#">Ramsar Technical Report No. 4: A Framework for a Wetland Inventory Metadatabase</a>	Scientific/technical	Scientists		E	
<a href="#">Ramsar Technical Report No. 7: Ramsar Wetland Disease Manual: Guidelines for Assessment, Monitoring and Management of Animal Disease in Wetlands</a>	Scientific/Technical	Scientist/ Practitioner, Policymakers		E	

**Thematic Work Area No. 2: Best practices for developing and implementing management plans, action plans and other tools for Ramsar Sites and other wetlands**

Resolution/Ramsar Briefing	Type of guidance	Target audience	Ramsar Handbook	Language <sup>1</sup>	Other non-Ramsar
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Notes/Ramsar Technical Report		(practitioners, policymakers, scientists)			related guidance <sup>2</sup>
<a href="#">Resolution XI.7: Tourism, recreation and wetlands</a>	Technical	Practitioner, Policymakers	Not yet included in a Handbook	EFS	<a href="#">An Integrated Wetland Assessment Toolkit: A guide to good practice</a> IUCN, E
<a href="#">Resolution XI.9: An Integrated Framework and guidelines for avoiding, mitigating and compensating for wetland losses</a>	Scientific/Technical	Scientist/Policymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">Approaches to Sustainable Wetland Resource Management</a> IUCN, E
<a href="#">Resolution XI.11: Principles for the planning and management of urban and peri-urban wetlands</a>	Technical	Policymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">Flow: The essentials of environmental flows</a> IUCN, EFSC
<a href="#">Resolution XI.12: Wetlands and health: taking an ecosystem approach</a>	Scientific/Technical	Scientist/Policymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">Wetland Management Planning: Methodology Manual for Indian Planners</a> Wetlands International, E
<a href="#">Resolution XI.13: An Integrated Framework for linking wetland conservation and wise use with poverty eradication</a>	Technical	Policymakers/practitioners	Not yet included in a Handbook	EFS	<a href="#">Wetland Management Planning: A Guide for Site Managers</a> WWF, Wetlands International, IUCN (and Ramsar), E
<a href="#">Resolution X.15: Describing the ecological character of wetlands, and data needs and formats for core inventory: harmonized scientific and technical guidance</a>	Scientific/Technical	Scientists/Practitioners	13, 15, 14, 18, 19	EFS	<a href="#">The Economics of Ecosystems and Biodiversity for Water and Wetlands</a> IEEP & Ramsar; E (summary available in EFSRAC)
<a href="#">Resolution X.16: A Framework for processes of detecting, reporting and responding to change in wetland ecological character</a>	Scientific/Technical	Practitioners, policymakers	13, 14, 16, 19,	EFS	<a href="#">Destination Wetlands: Supporting sustainable tourism</a> Ramsar & World Tourism

<sup>2</sup> Please note that the guidance listed in this column does not necessarily match against a particular Resolution but it is relevant to the theme as a whole.

					Organization, EFS
<a href="#">Resolution X.17: Environmental Impact Assessment and Strategic Environmental Assessment: updated scientific and technical guidance</a>	Scientific/Technical	Practitioner, policymakers	16	EFS	<a href="#">Handbook on Best Practices for the Planning, Design and Operation of Wetland Education Centres</a> Ramsar & Environmental Ecosystem Research Foundation, EFK
<a href="#">Resolution X.19: Wetlands and river basin management: consolidated scientific and technical guidance</a>	Scientific/Technical	Policymakers, practitioners	8, 9	EFS	<a href="#">Our Country Our Way: Guidelines for Australian Indigenous Protected Area Management Plans</a> Australian Government, E
<a href="#">Resolution X.21: Guidance on responding to the continued spread of highly pathogenic avian influenza</a>	Scientific/Technical	Scientists	4, 1	EFS	<a href="#">Towards a Community of Practice of Wetland Project Managers: Lessons Learned from Central and West Asia and the Mediterranean</a> DOE-Iran, UNDP, GEF, et al., E and Farsi
<a href="#">Resolution IX.1, Annex Cii: Guidelines for the management of groundwater to maintain wetland ecological character</a>	Scientific/Technical	Practitioners, policymakers	11	EFS	
<a href="#">Resolution VIII.1: Guidelines for the allocation and management of water for maintaining the ecological functions of wetlands</a>	Technical/Scientific	Practitioners, policymakers	8, 9, 10	EFS	
<a href="#">Resolution VIII.4: Wetland issues in Integrated Coastal Zone Management (ICZM)</a>	Technical	Policymakers, practitioners	12	EFS	
<a href="#">Resolution VIII.14: New Guidelines for management planning for Ramsar sites and other wetlands</a>	Technical	Policymakers, Practitioners	18	EFS	

<a href="#">Resolution VIII.16: Principles and guidelines for wetland restoration</a>	Technical	Policy-makers, Practitioners	19	EFS	
<a href="#">Resolution VIII.17: Guidelines for Global Action on Peatlands</a>	Technical	Policy-makers, practitioners	15, 18	EFS	
<a href="#">Resolution VIII.20: General guidance for interpreting “urgent national interests” under Article 2.5 of the Convention and considering compensation under Article 4.2</a>	Technical	Policy-makers	19	EFS	
<a href="#">Resolution VIII.33: Guidance for identifying, sustainably managing, and designating temporary pools as Wetlands of International Importance</a>	Technical	Practitioners	17	EFS	
<a href="#">Resolution VIII.36: Participatory Environmental Management (PEM) as a tool for management and wise use of wetlands</a>	Technical	Policy-makers, practitioners	7	EFS	
<a href="#">Resolution VII.8: Guidelines for establishing and strengthening local communities’ and indigenous people’s participation in the management of wetlands</a>	Technical	Policy-makers, practitioners	7	EFS	
<a href="#">Resolution VII.10: Wetland Risk Assessment Framework</a>	Technical/Scientific	Scientific/Practitioners	18, 13	EFS	
<a href="#">.COP12 DOC.20: Information Paper: Management effectiveness assessments for Ramsar Sites (Resolution XII.15: Evaluation of the management and conservation effectiveness of Ramsar Sites)</a>	Technical	Practitioners	Not yet included in a Handbook	EFS	
<a href="#">COP11 DOC. 24: Limits of Acceptable Change.</a> (Resolution XI.4, the Status of Sites in the List of Wetlands of	Technical/Scientific	Practitioners	Not yet included in a Handbook	E	

International Importance).					
<a href="#">COP10 DOC. 33: Enhancing wetland wise use: a guide for capacity development</a>	Technical	Practitioners/Policy-makers	Not included in a Handbook	E	
<a href="#">COP10 DOC. 27: Background and rationale to the Framework for processes of detecting, reporting and responding to change in wetland ecological character</a> (Resolution X.16. A Framework for processes of detecting, reporting and responding to change in wetland ecological character)	Technical	Practitioners	19	EFS	
<a href="#">STRP Briefing Note No. 6: Towards the wise use of urban and peri-urban wetlands</a>	Technical	Policy-makers, practitioners		E	
Current triennium draft STRP Briefing Note No. ____: A guide to available guidance on IAS (forthcoming; title to be finalized)	Technical	Practitioners		E	
<a href="#">Ramsar Technical Report No. 7: Ramsar Wetland Disease Manual: Guidelines for Assessment, Monitoring and Management of Animal Disease in Wetlands</a>	Technical	Practitioners, policy-makers		E	
<a href="#">Ramsar Technical Report No. 9: Determination and implementation of environmental water requirements for estuaries</a>	Technical/Scientific	Scientists/Practitioners		E	
Internal Report: Change in ecological character of wetland sites – Ramsar guidance and mechanisms (2014)	Technical	Practitioners		E	
Resolution IX. 4 The Ramsar	Technical	Policy-makers/practitioners	18	EFS	

Convention and conservation, production and sustainable use of fisheries resources.					
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**Thematic Work Area No.3: Methodologies for the economic and non-economic valuation of the values of the goods and services of wetlands**

<b>Resolution/Ramsar Briefing Notes/Ramsar Technical Report</b>	<b>Type of guidance</b>	<b>Target audience (practitioners, policymakers, scientists)</b>	<b>Ramsar Handbook</b>	<b>Language<sup>1</sup></b>	<b>Other non-Ramsar related guidance<sup>2</sup></b>
<a href="#">Resolution XI.13: An Integrated Framework for linking wetland conservation and wise use with poverty eradication</a>	Technical	Policymakers	Not yet included in a Handbook	EFS	
<a href="#">Resolution VIII.19: Guiding principles for taking into account the cultural values of wetlands for the effective management of sites</a>	Technical	Practitioners	18	EFS	<a href="#">Toolkit for Ecosystem Service Site-based Assessments (TESSA)</a> BirdLife International
<a href="#">Ramsar Technical Report No. 3: Valuing wetlands: Guidance for valuing the benefits derived from wetland ecosystem services</a>	Scientific/Technical	Scientists/Practitioners		EFS	<a href="#">Economic Values of Protected Areas: Guidelines for Protected Area Managers</a> IUCN, ER
<a href="#">Ramsar Technical Report No. 6: Healthy wetlands, healthy people: A review of wetlands and human health interactions</a>	Scientific/Technical	Scientists/Practitioners		E	<a href="#">An Integrated Wetland Assessment Toolkit: A guide to good practice</a> IUCN, E
<a href="#">Culture and wetlands: a Ramsar guidance document. Related to</a>	Technical	Practitioners		EFS	<a href="#">Working Wetlands: Classifying Wetland</a>

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Resolutions VIII.19. Guiding principles for taking into account the cultural values of wetlands for the effective management of sites and IX.21 Taking into account the cultural values of wetlands.					<a href="#">Potential for Agriculture</a> IWMI, E
Economic Valuation of Wetlands: a Guide for Policy Makers and Planners (Publication, Ramsar 1997)	Technical	Policymakers/Practitioners		EFS	<a href="#">Economic Valuation of Wetlands: A Guide For Policy Makers And Planners</a> Ramsar, IUCN, et al.; from 1997, E
Current triennium draft STRP Briefing Note No. ____: Wetland Ecosystem Services (forthcoming; title to be finalized)	Technical	Practitioners		E	<a href="#">The Economics of Ecosystems and Biodiversity for Water and Wetlands</a> IEEP & Ramsar, E (summary available in EFSRAC)
					<a href="#">Ecosystems and Human Well-Being: Wetlands and Water Synthesis</a> Millennium Ecosystem Assessment, ES (and others)
					<a href="#">Earth Economics Ecosystem Valuation Toolkit</a> (some resources are not available yet)
					<a href="#">Guidance Manual for the Valuation of Regulating Services</a> UNEP, E
					<a href="#">Manual on Value Transfer Methods for Ecosystem Services</a>

					UNEP, E
					<a href="#">Literature Review of the Economic Value of Ecosystem Services that Wetlands Provide: Final Report prepared for the Department of Sustainability, Environment, Water, Population and Communities</a> Marsden Jacob Associates, E
					<a href="#">Economic valuation of water resources in agriculture: From the sectoral to a functional perspective of natural resource management</a> FAO, E
					<a href="#">Biodiversity and Ecosystem Services Trends and Conditions Assessment Tool</a> The Nature Conservancy
					<a href="#">The IPBES Conceptual Framework – connecting nature and people</a> IPBES, E
					<a href="#">The Economics of Ecosystems and Biodiversity – Ecological and Economic Foundations</a> TEEB, E

**Thematic Work Area No.4: Balancing wetland conservation and development e.g. infrastructure, urbanization, forestry, extractive industries, and agriculture**

Resolution/Ramsar Briefing Notes/Ramsar Technical Report	Type of guidance	Target audience (practitioners, policymakers, scientists)	Ramsar Handbook	Language <sup>1</sup>	Other non-Ramsar related guidance <sup>2</sup>
<a href="#">Resolution XI.7: Tourism, recreation and wetlands</a>	Technical	Practitioners, Policymakers	Not yet included in a Handbook	EFS	<a href="#">Flow: The essentials of environmental flows</a> IUCN, EFSC (and others)
<a href="#">Resolution XI.9: An Integrated Framework and guidelines for avoiding, mitigating and compensating for wetland losses</a>	Technical	Policymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">Wetlands and people</a> IWMI, E
<a href="#">Resolution XI.10: Wetlands and energy issues</a>	Technical	Policymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">Wetlands, Agriculture and Poverty Reduction</a> IWMI, agriculture, E
<a href="#">Resolution XI.11: Principles for the planning and management of urban and peri-urban wetlands</a>	Technical	Policymakers, practitioners	Not yet included in a Handbook	EFS	<a href="#">Water implications of biofuel crops: understanding trade-offs and identifying options</a> IWMI, E
					<a href="#">Facilitating Outcomes: Multi-stakeholder Processes for Influencing Policy Change on Urban Agriculture in Selected West African and South Asian Cities</a> IWMI, agriculture, E
<a href="#">Resolution X.3: The Changwon</a>	Technical	Policymakers, practitioners	1	EFS	<a href="#">Working Wetlands:</a>

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<a href="#">Declaration on human well-being and wetlands</a>					<a href="#">Classifying Wetland Potential for Agriculture</a> IWMI, agriculture, E
<a href="#">Resolution X.17: Environmental Impact Assessment and Strategic Environmental Assessment: updated scientific and technical guidance</a>	Technical	Practitioners, policymakers	16	EFS	<a href="#">Practical guidance for implementing RSPO Principles and Criteria in relation to peatlands</a> Wetlands International; (draft), E
<a href="#">Resolution X.19: Wetlands and river basin management: consolidated scientific and technical guidance</a>	Technical	Policymakers, practitioners	8, 9	EFS	<a href="#">Destination Wetlands: Supporting sustainable tourism</a> Ramsar & World Tourism Organization, EFS
<a href="#">Resolution IX.1, Annex Cii: Guidelines for the management of groundwater to maintain wetland ecological character</a>	Technical/ Scientific	Practitioners, scientists	11	EFS	<a href="#">Tourism Supporting Biodiversity: A Manual on applying the CBD Guidelines on Biodiversity and Tourism Development</a> UNEP & CBD, E
<a href="#">Resolution IX.4: The Ramsar Convention and conservation, production and sustainable use of fisheries resources</a>	Technical	Policymakers, Practitioners	18	EFS	<a href="#">Ecosystems and Human Well-Being: Wetlands and Water Synthesis</a> Millennium Ecosystem Assessment, ES (and others)
<a href="#">Resolution VIII.1: Guidelines for the allocation and management of water for maintaining the ecological functions of wetlands</a>	Technical/Scientific	Practitioners, policymakers	10	EFS	<a href="#">A Guide to Developing Biodiversity Action Plans for the Oil and Gas Sector</a> IPIECA & OGP
<a href="#">Resolution VIII.4: Wetland issues in Integrated Coastal Zone Management (ICZM)</a>	Technical	Policymakers, practitioners	11	EFS	<a href="#">Biodiversity Offset Design Handbook</a> Business and Biodiversity Offsets Programme, E

<a href="#">Resolution VIII.17: Guidelines for Global Action on Peatlands</a>	Technical	Policymakers, practitioners	15, 18	EFS	<a href="#">Achieving Conservation And Development: 10 Principles for Applying the Mitigation Hierarchy</a> The Nature Conservancy, ES
<a href="#">Resolution VII.7: Guidelines for reviewing laws and institutions to promote the conservation and wise use of wetlands</a>	Technical	Policymakers	3	EFS	<a href="#">Biodiversity Offsets: Effective Design and Implementation</a> OECD, E
<a href="#">COP11 DOC. 28: Supporting information on wetlands and energy issues ( Resolution XI.10)</a>	Technical	Policymakers, practitioners		E	<a href="#">Scoping agriculture-wetlands interactions: Towards a sustainable multi-response strategy</a> Ramsar & FAO
<a href="#">Ramsar Advisory Mission reports</a>	Technical/scientific	Practitioners		Varies (E, F, and/or S)	<a href="#">Biodiversity and Ecosystem Services Trends and Conditions Assessment Tool</a> The Nature Conservancy
<a href="#">STRP Briefing Note No. 6: Towards the wise use of urban and peri-urban wetlands</a>	Technical	Policymakers, practitioners		E	
<a href="#">Ramsar Technical Report No. 9: Determination and implementation of environmental water requirements for estuaries</a>	Scientific/Technical	Scientists/practitioners		E	
Internal Report: Change in ecological character of wetland sites – Ramsar guidance and mechanisms (2014)	Technical	Policymakers		E	

**Thematic Work Area No.5: Climate change and wetlands: innovative methodologies for wetlands restoration**

Resolution/Ramsar Briefing Notes/Ramsar Technical Report	Type of guidance	Target audience (practitioners, policymakers, scientists)	Ramsar Handbook	Language <sup>1</sup>	Other non-Ramsar related guidance <sup>2</sup>
<a href="#">Resolution VIII.16: Principles and guidelines for wetland restoration</a>	Technical	Policy-makers, Practitioners	15, 18	EFS	<a href="#">Keep it fresh or salty: An introductory guide to financing wetland carbon programs and projects</a> IUCN, Wetlands International (and Conservation International), E
<a href="#">COP10 DOC. 25: Additional information on climate change and wetlands issues (Resolution X.24 Climate change and wetlands)</a>	Technical	Policy-makers, practitioners		E	<a href="#">Peatlands - guidance for climate change mitigation through conservation, rehabilitation and sustainable use</a> Wetlands International et al., E
<a href="#">STRP Briefing Note No. 4: The benefits of wetland restoration</a>	Technical	Practitioners		EFS	<a href="#">Assessment on peatlands, biodiversity and climate change</a> Wetlands International et al., E
<a href="#">STRP Briefing Note No. 5: Evaluating the risk to Ramsar Sites from climate change induced sea level rise</a>	Scientific/Technical	Scientists/Practitioners		E	<a href="#">The Economics of Ecosystems and Biodiversity for Water and Wetlands</a> IEEP & Ramsar, E (summary available in EFSRAC)
<a href="#">Ramsar Technical Report No. 5: A Framework for assessing the</a>	Technical	Practitioners		E	<a href="#">Guiding principles for delivering coastal wetland</a>

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<a href="#">vulnerability of wetlands to climate change</a>					<a href="#">carbon projects</a> UNEP, CIFOR, et al., E
					<a href="#">Peatlands, climate change mitigation and biodiversity conservation</a> Norden, E
					<a href="#">Peatlands and Climate Change in a Ramsar Context—a Nordic Baltic Perspective</a> Norden, E
					<a href="#">Restoring the Great Lakes' Coastal Future: Technical Guidance for the Design and Implementation of Climate-Smart Restoration Projects</a> NWF & NOAA, E