

**CONVENTION ON BIOLOGICAL DIVERSITY (CBD)
NOTIFICATION 2013-005**

Identification of scientific and technical needs related to the
implementation of the Strategic Plan for Biodiversity 2011-2020
and its Aichi Biodiversity Targets

Submission by Australia

Annex

I. INTRODUCTION

1. To effectively respond to the requests by the Conference of the Parties in decision XI/13, the Subsidiary Body will need to have an informed discussion on these issues at the seventeenth meeting of SBSTTA. To facilitate preparation of the consideration of these issues by the Subsidiary Body, the present note has been prepared by the Executive Secretary.
2. The following section contains guiding questions which relate to the different elements of the request from decision XI/13. In providing information to the Secretariat, the following questions can be considered. Please note that any additional relevant information is welcome and that input can be provided in any form. Responses and comments received will be compiled and will form the basis of a discussion paper which will be provided to Parties for further consideration at a later stage.
3. Some information on the issues identified in decision XI/13 has already been compiled by the Executive Secretary. For example, information on ways and means to improve the effectiveness of the Subsidiary Body in light of the Strategic Plan for Biodiversity 2011-2020 and issues, modalities and options for collaboration with the intergovernmental science policy platform on biodiversity and ecosystem services (IPBES) was made available to the sixteenth meeting of the Subsidiary Body on Scientific, Technical and Technological Advice as document UNEP/CBD/SBSTTA/16/2. With regards to tools used under the Convention and their adequacy, the Annex of document UNEP/CBD/WG-RI/1/3/Add.2 provides a preliminary list of tools for implementation developed under the Convention and an analysis of their effectiveness. Further, in some cases, information on scientific and technical needs related to biodiversity has already been identified by Parties through, for example, the preparation of the National Reports, National Biodiversity Strategies and Action Plans (NBSAPs) and/or National Capacity Self-Assessments (NCSAs).

II. QUESTIONS FOR FURTHER CONSIDERATION

A. Policy support tools and methodologies developed or used under the Convention and their adequacy, impact and obstacles to their uptake, as well as gaps and needs for further development of such tools and methodologies

4. Decision XI/13, in section B, paragraph 1 (a) (ii), requests the Executive Secretary to prepare information relating to existing policy support tools and methodologies developed or used under the Convention and their adequacy, impact and obstacles to their uptake, as well as gaps and needs for the further development of such tools and methodologies.
5. A variety of policy support tools and methodologies have been developed by the Convention, its Parties, and its partners. These tools and methodologies are in addition to the guidance provided through the Convention's various programmes of work. The tools and methodologies can generally be divided into three categories, those which have been explicitly acknowledged by the Conference of the Parties through its decisions, those which have been developed by the Executive Secretary in response to decisions or on his initiative, and those which have been developed by Parties, other governments, or organizations.
6. Below are some guiding questions on this issue that Parties may wish to consider in providing comments or information:

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- How adequate are the policy support tools or methodologies developed or used by the Convention?
- What has been their applicability and impact at the national level?
- What have been the challenges or obstacles to their use or uptake at the national level?
- Bearing in mind that not all policy support tools and methodologies necessarily need to be developed by the Convention, what other tools developed nationally or by other organizations are relevant?

7. To facilitate responses to these questions, an indicative list of policy support tools and methodologies is contained in Appendix I to this note. Appendix I can be used when providing information related to this issue.

B. Adequacy of observations, and of data systems, for monitoring the biodiversity attributes addressed in the Aichi Biodiversity Targets

8. Decision XI/13, in section B, paragraph 1 (a) (iii) requests the Executive Secretary to prepare information relating to the adequacy of observations, and of data systems, for monitoring the biodiversity attributes addressed in the Aichi Biodiversity Targets, drawing, *inter alia*, upon information in the report of the Ad Hoc Technical Expert Group on Indicators for the Strategic Plan for Biodiversity (UNEP/CBD/SBSTTA/15/INF/6) and the report on the adequacy of biodiversity observation systems to support the Aichi Biodiversity Targets (UNEP/CBD/SBSTTA/15/INF/8).

9. The report on the adequacy of biodiversity observation systems to support the Aichi Biodiversity Targets (UNEP/CBD/SBSTTA/15/INF/8) reviewed the availability of primary observations, the processes through which these are made, and how they can serve to monitor progress towards each of the 20 Aichi Biodiversity Targets globally.

10. Below are some guiding questions on this issue that Parties may wish to consider in providing comments or information:

- How adequate are the observations and data systems in your country for reporting on the issues addressed in each of the Aichi Biodiversity Targets?
- What would be needed to improve their adequacy?
- What are the opportunities to make enhancements in the following areas: (i) *in situ* observations, (ii) remote sensing information, (iii) data management, (iv) data analysis and (v) preparation of decision support tools (e.g. indicators)?

C. Scientific and technical needs related to the implementation of the Strategic Plan for Biodiversity 2011-2020 and its Aichi Biodiversity Targets

11. Decision XI/13, in section B, paragraph 1 (a) (i), requests the Executive Secretary to prepare information relating to Scientific and technical needs related to the implementation of the Strategic Plan for Biodiversity 2011-2020 and its Aichi Biodiversity Targets. Background information on the Strategic Plan for Biodiversity 2011-2012 is available at <http://www.cbd.int/sp/>.

12. Below are some guiding questions on this issue that Parties may wish to consider in providing comments or information:

- What tools and guidance have been adopted under the Convention that can support Parties implementing the Strategic Plan? What are the gaps?

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- What information and tools are available specifically to aid Parties in establishing national targets and monitoring or assessing progress towards them? What are the gaps?
- What technical and scientific cooperation already exists between Parties for implementing the Strategic Plan? What are the gaps?
- What global initiatives and partnerships are available to support implementation of the Strategic Plan? What are the gaps?
- What capacity building support is provided by the CBD Secretariat and partners for implementing the Strategic Plan? What are the gaps?

13. To facilitate responses to these questions, a list of Aichi Targets and the above categories are represented in a table in Appendix II to this note. Appendix II can be used when providing information related to this issue.

D. Options for assessing the effects of the types of measures taken in accordance with the provisions of the Convention

14. Decision XI/13, section B, in paragraph 1 (a) (iv), requests the Executive Secretary to prepare information relating to options for assessing the effects of the types of measures taken in accordance with the provisions of the Convention. Options for assessing the effects of measures can include voluntary peer reviews, literature reviews, and project evaluations, among other things.

15. What options to assess progress or effects of the measures taken in accordance with the provisions of the Convention are being used at the national level?

Appendix I

Policy support tools and methodologies

This table contains a compilation of the policy support tools which have been developed by the Convention or the Secretariat. This list is indicative only and may not be complete, therefore any additions are welcome. The Aichi Targets which are most relevant to the tools and methodologies are also indicated. Space is provided to indicate the level of national application or use of the tool or methodology as well as its impacts and the challenges or obstacles to its application. Space is also provided at the end of the table to include tools or methodologies developed nationally or by other organizations which may be relevant.

Policy support tools and methodologies	Decision/ Reference	Most relevant Aichi Target(s)	Other relevant Aichi Target(s)	Information related to nation application or use of the policy support tool or methodology		
				Level of application	Impact	Challenges to national application
Strategies						
Strategic Plan for Biodiversity 2011-2020	X/2			Australia’s Biodiversity Conservation Strategy 2010-2030 Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Global Strategy for Plant Conservation 2011-2020	X/17					
Programmes of work						
Programme of Work on Agricultural Biodiversity	V/5	7, 13	4, 8, 14	Caring for our Country Biodiversity Fund Australia’s Native Vegetation Framework		

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Policy support tools and methodologies	Decision/ Reference	Most relevant Aichi Target(s)	Other relevant Aichi Target(s)	Information related to nation application or use of the policy support tool or methodology		
				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
Programme of Work on Dry and Sub-humid Lands	V/23	5, 7, 14	11, 13, 15	Working on Country		
Programme of Work on Forest Biodiversity	VI/22	5, 7	11, 14, 15			
Programme of Work on the Biological Diversity of Inland Water Ecosystems	VII/4	7, 14	8, 11	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Programme of Work on Marine and Coastal Biodiversity	VII/5	6, 10	7, 11	Australia's Biodiversity Conservation Strategy 2010-2030 Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Programme of Work on Mountain Biodiversity	VII/27	5	11, 12, 14	Australia's Biodiversity Conservation Strategy 2010-2030		
Programme of Work on Island Biodiversity	VIII/1	10, 12	5, 9, 11	Australia's Biodiversity Conservation Strategy 2010-2030 Australian		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Antarctic Science Strategic Plan 2011/12- 2020/21		
Programme of Work for the Global Taxonomy Initiative	VI/8, VIII/3	19	1	Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Programme of Work on Protected Areas	VII/28	11	5, 6, 7	<p>National, through collaboration with jurisdictions.</p> <p>Australia's Strategy for the National Reserve System 2009-2030</p> <p>Indigenous Protected Areas</p> <p>Australia's Biodiversity Conservation Strategy 2010-2030</p> <p>Australia's Native Vegetation Framework</p> <p>Australian Antarctic Science Strategic Plan</p>		Need to develop more efficient approaches to collating and reporting results. E.g. remote sensing, dynamic/real-time data updating.

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				2011/12- 2020/21		
Programme of Work on Technology Transfer and Cooperation	VII/29	19		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Programme of Work on the Implementation of Article 8(j) and Related Provisions of the Convention on Biological Diversity	V/16	18	14	Indigenous Protected Areas Caring for our Country Working on Country Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		

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Policy support tools and methodologies	Decision/ Reference	Most relevant Aichi Target(s)	Other relevant Aichi Target(s)	Information related to nation application or use of the policy support tool or methodology		
				Level of application	Impact	Challenges to national application
Tools, guidelines or principles acknowledged in decisions of the Conference of the Parties						
The Tkarihwaié:ri Code of Ethical Conduct to Ensure Respect for the Cultural and Intellectual Heritage of Indigenous and Local Communities.	X/42	18	16, 17	Australia’s Biodiversity Conservation Strategy 2010-2030 Australia’s Native Vegetation Framework Caring for our Country Working on Country		
Guiding Principles for the Prevention, Introduction and Mitigation of Impacts of Alien Species that Threaten Ecosystems, Habitats or Species	VI/23	9	5, 12	The Australian Weeds Strategy Australia’s Biodiversity Conservation Strategy 2010-2030 Australia’s Native Vegetation Framework Caring for Our Country Biodiversity Fund		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Akwé: Kon Voluntary Guidelines for the Conduct of Cultural, Environmental and Social Impact Assessment regarding Developments Proposed to Take Place on, or which are Likely to Impact on, Sacred Sites and on Lands and Waters Traditionally Occupied or Used by Indigenous and Local Communities	VII/16	18	17	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
The Ecosystem Approach	VII/11	All		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework National Wildlife Corridors Plan Australia's Strategy for the National Reserve System 2009-2030 Caring for Our		

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				Country Biodiversity Fund Regional NRM Planning for Climate Change Indigenous Protected Areas Environmental Stewardship Program Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Guidelines on Biodiversity and Tourism Development	VII/14	4		Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
Addis Ababa Principles and Guidelines for the Sustainable Use of Biodiversity	VII/12	4, 6, 7		Caring for Our Country Biodiversity Fund Australia's Biodiversity Conservation		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Strategy Australia's Native Vegetation Framework		
Bonn Guidelines on Access to Genetic Resources and Fair and Equitable sharing of the Benefits Arising out of Their Utilization	VI/24	16		Australia's Biodiversity Conservation Strategy 2010-2030		
Voluntary Guidelines on Biodiversity-Inclusive Impact Assessment	VIII/28	2	4	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Proposals for the Design and Implementation of Incentive Measures	VI/15	3	2	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework Caring for Our Country		
Proposals for the Application of Ways and Means to Remove or Mitigate Perverse Incentives	VII/18	3	2	Australia's Biodiversity Conservation		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Strategy 2010-2030 Australia's Native Vegetation Framework Environmental Stewardship Program Biodiversity Fund Indigenous Carbon Farming Fund		
Proposed Voluntary Guidelines to Parties for Review of NBSAPs	VIII/8	17	All	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Options for Preventing and Mitigating the Impact of Some Activities on Selected Seabed Habitats, and Ecological Criteria and Biogeographic Classification System of Marine Areas in Need of Protection	UNEP/CB D/SBSTTA /13/INF/13	6, 10		Reef Rescue		
Mountain biological diversity: Indicative list of technologies relevant to the conservation and	UNEP/CB D/SBSTTA	5	7	Australia's Biodiversity		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
sustainable use of mountain biological diversity and other related thematic areas and cross-cutting themes	/8/7/Add.1			Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Marine Spatial Planning and Voluntary Guidelines for the Consideration of Biodiversity in Environmental Impact Assessments and Strategic Environmental Assessments in Marine and Coastal Areas	UNEP/CB D/SBSTTA /16/7	6, 10	2, 5	Caring for Our Country Reef Rescue		
Voluntary Guidelines for the Consideration of Biodiversity in Environmental Impact Assessments and Strategic Environmental Assessments in Marine and Coastal Areas	UNEP/CB D/SBSTTA /16/7/Add. 1	6, 10	5	Reef Rescue		
Advice on the Application of Relevant REDD+ Safeguards for Biodiversity, and on Possible Indicators and Potential Mechanisms to Assess Impacts of REDD+ Measures on Biodiversity	UNEP/CB D/SBSTTA /16/8	15	5	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Guidance on ways to conserve, sustainably use and restore biodiversity and ecosystem services while contributing to climate change mitigation and adaptation	X/33, para 8 (a) to (z)	10, 15	11, 14	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Framework Australian Antarctic Science Strategic Plan 2011/12- 2020/21 Biodiversity Fund Caring for Our Country		
<i>Developed by the Secretariat of the Convention on Biological Diversity</i>						
Training Manual for the Description of Ecologically and Biologically Significant Areas (EBSAS) in Open-Ocean Waters and Deep-Sea Habitats	UNEP/CB D/SBSTTA /16/INF/9	6	10	Australian Antarctic Science Strategic Plan 2011/12- 2020/21		
GSPC Toolkit		12				
Ecosystem Approach Sourcebook		14				
CBD Technical Series 6: Sustainable management of non-timber forest resources		4, 7		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework Caring for Our Country Biodiversity Fund		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
CBD Technical Series 9: Facilitating conservation and sustainable use of biological diversity		5, 7	4	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework Australian Antarctic Science Strategic Plan 2011/12- 2020/21 National Wildlife Corridors Plan Indigenous Protected Areas Australia's Strategy for the National Reserve System 2009-2030		
CBD Technical Series 10: Interlinkages between biological diversity and climate change		10, 15		Caring for Our Country Reef Rescue Working on Country		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Indigenous Protected Areas Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework Australian Antarctic Science Strategic Plan 2011/12- 2020/21 National Wildlife Corridors Plan Australia's Strategy for the National Reserve System 2009-2030		
CBD Technical Series 12: Solutions for sustainable mariculture - Avoiding the adverse effects of mariculture on biological diversity		6	10	Australia's Biodiversity Conservation Strategy 2010-2030		
CBD Technical Series 13: Technical advice on the establishment and management of a national		11	6, 10	Australia's Biodiversity		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
system of marine and coastal protected areas				Conservation Strategy Australia's Native Vegetation Framework Caring for our Country Biodiversity Fund		
CBD Technical Series 14: Integrated marine and coastal area management (IMCAM) approaches for implementing the Convention on Biological Diversity		6, 10	8	Reef Rescue Caring for Our Country Australia's Biodiversity Conservation Strategy 2010-2030 Australian Antarctic Science Strategic Plan 2011/12- 2020/21 Australia's Native Vegetation Framework		
CBD Technical Series 15: Biodiversity Issues for Consideration in the Planning, Establishment and		11	2	Australia's Biodiversity		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
Management of Protected Area Sites and Networks				Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 22: Guidelines for the Rapid Ecological Assessment of Biodiversity in Inland Water, Coastal and Marine Areas		10, 14	8	Australia's Native Vegetation Framework Australia's Biodiversity Conservation Strategy 2010-2030 Reef Rescue Caring for Our Country		
CBD Technical Series 26: Voluntary Guidelines on Biodiversity-Inclusive Impact Assessment		2	4	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 27: Valuing wetlands - Guidance for valuing the benefits derived from wetland ecosystem services (published as Ramsar Technical Report # 3)		2	5, 8	Australia's Biodiversity Conservation Strategy 2010-2030		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Australia's Native Vegetation Framework		
CBD Technical Series 24: Closing the Gap: Creating ecologically representative protected area systems		11		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework Australian Antarctic Science Strategic Plan 2011/12- 2020/21 Caring for Our Country Reef Rescue		
CBD Technical Series 26: Guidance for Promoting Synergy Among Activities Addressing Biological Diversity, Desertification, Land Degradation and Climate Change		5, 10, 15	14	Caring for Our Country Reef Rescue Australia's Biodiversity Conservation Strategy 2010-2030		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Australia's Native Vegetation Framework National Wildlife Corridors Plan		
CBD Technical Series 28: An Exploration of Tools and Methodologies for Valuation of Biodiversity and Biodiversity Resources and Functions		2	1	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 30: Guide to the Global Taxonomy Initiative		19				
CBD Technical Series 32: Sourcebook on Remote Sensing and Biodiversity Indicators		19				
CBD Technical Series 35: Implementation of the CBD Programme of Work on Protected Areas: Progress and Perspectives		11		National Wildlife Corridors Plan Indigenous Protected Areas Australia's Strategy for the National Reserve System 2009-2030 Australia's		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 36: Protected Areas in Today's World: Their Values and Benefits for the Welfare of the Planet		11		National Wildlife Corridors Plan Indigenous Protected Areas Australia's Strategy for the National Reserve System 2009-2030 Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 37: Synthesis and Review of the Best Available Scientific Studies on Priority Areas for Biodiversity Conservation in Marine Areas beyond the Limits of National Jurisdiction		11	6, 10	National Wildlife Corridors Plan Australian Antarctic Science		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Strategic Plan 2011/12- 2020/21 Indigenous Protected Areas Australia's Strategy for the National Reserve System 2009-2030 Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 39: Cross-Sectoral Toolkit for the Conservation And Sustainable Management of Forest Biodiversity		4	5, 14, 15	Australia's Biodiversity Conservation Strategy 2010-2030 Caring for Our Country Biodiversity Fund Australia's Native Vegetation		

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				Framework		
CBD Technical Series 44: Making protected areas relevant : a guide to integrating protected areas into wider landscapes, seascapes and sectoral plans and strategies		11		National Wildlife Corridors Plan Indigenous Protected Areas Australia's Strategy for the National Reserve System 2009-2030 Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 48: Pets, Aquarium, and Terrarium Species: Best Practices for Addressing Risks to Biodiversity		9		The Australian Weeds Strategy Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		

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CBD Technical Series 49: Guidelines for Mainstreaming Gender into National Biodiversity Strategies and Action Plans		17		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 53: Biodiversity Indicators & the 2010 Biodiversity Target: Outputs, experiences and lessons learnt from the 2010 Biodiversity Indicators Partnership		19	All	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
CBD Technical Series 58: Developing Ecosystem Indicators: Experiences and lessons learned from sub-global assessments and other initiative		14, 19	All	Australia's Biodiversity Conservation Strategy 2010-2030 Australian Antarctic Science Strategic Plan 2011/12- 2020/21 Australia's Native Vegetation Framework Indigenous		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Protected Areas Working on Country National Wildlife Corridors Plan Australia's Strategy for the National Reserve System 2009-2030 Australia's Native Vegetation Framework Australia's Biodiversity Conservation Strategy 2010-2030		
Good Practice Guide: Tourism for Nature & Development		4				
Good Practice Guide: Sustainable Forest Management, Biodiversity and Livelihoods		4, 5	14			
Good Practice Guide: Pastoralism, Nature Conservation and Development		5				
Good Practice Guide: Drinking Water, Biodiversity and Development		14		Australia's Biodiversity Conservation Strategy 2010-2030		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Australia's Native Vegetation Framework Indigenous Protected Areas Working on Country National Wildlife Corridors Plan Australia's Strategy for the National Reserve System 2009-2030 Caring for Our Country Biodiversity Fund		
Good Practice Guide: Biodiversity, Development and Poverty Alleviation		14	All	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Indigenous Protected Areas Working on Country National Wildlife Corridors Plan Australia's Strategy for the National Reserve System 2009-2030 Biodiversity Fund Caring for Our Country		
Good Practice Guide: Ecosystem Goods and Services in Development Planning		2, 4	14	Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Good Practice Guide: Linking the Thematic Programmes of Work of the Convention on Biological Diversity (CBD) to Poverty Reduction and Development		All		Australia's Biodiversity Conservation Strategy 2010-2030		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Australia's Native Vegetation Framework Indigenous Protected Areas Working on Country National Wildlife Corridors Plan Australia's Strategy for the National Reserve System 2009-2030 Caring for Our Country Biodiversity Fund		
Communication, Education and Public Awareness (CEPA) - A Toolkit for National Focal Points and NBSAP Coordinators		1		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Options for the Application of Tools for		1, 2		Australia's		

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				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
Valuation of Biodiversity and Biodiversity Resources and Functions				Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Programme of Work on Protected Areas E- Learning Modules		11		National Wildlife Corridors Plan Indigenous Protected Areas Australia's Strategy for the National Reserve System 2009-2030 Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
Managing Tourism & Biodiversity: User's Manual on the CBD Guidelines on Biodiversity and Tourism Development		4		Australia's Biodiversity Conservation Strategy 2010-2030		

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Policy support tools and methodologies	Decision/ Reference	Most relevant Aichi Target(s)	Other relevant Aichi Target(s)	Information related to nation application or use of the policy support tool or methodology		
				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				Australia's Native Vegetation Framework		
NBSAP Capacity Building Modules		17	all	Australia's Biodiversity Conservation Strategy 2010-2030		
Quick Guides to the Aichi Biodiversity Targets		All		Australia's Biodiversity Conservation Strategy 2010-2030 Australia's Native Vegetation Framework		
<i>Other Relevant Tools</i>						
Australia's 'National Water Quality Management Strategy'		8		Widely used in whole or part across Australia		Ensuring consistency of application.
UN-Water provides a wide range of policy support tools and methodologies highly relevant to Aichi Target 8. More detail can be found at www.unwater.org . This includes the 'Post 2015' activities of the 'Wastewater Management and Water Quality' Theme.		8			Useful material on which to base national water quality policy.	
CSIRO 'Implications for policymakers: Climate change, biodiversity conservation and the National Reserve System: final synthesis (September 2012)						
Policy: Australia's Strategy for the National Reserve System 2009-2030		11		National, through collaboration with		Need to develop more efficient

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Policy support tools and methodologies	Decision/ Reference	Most relevant Aichi Target(s)	Other relevant Aichi Target(s)	Information related to nation application or use of the policy support tool or methodology		
				<i>Level of application</i>	<i>Impact</i>	<i>Challenges to national application</i>
				jurisdictions.		approaches to collating and reporting results. E.g. remote sensing, dynamic/real-time data updating.
Methodology: Collaborative Australian Protected Area Database (CAPAD).		11		National, through collaboration with jurisdictions.		Need to develop more efficient approaches to collating and reporting results. E.g. remote sensing, dynamic/real-time data updating.
Methodology: Interim Biogeographic Regionalisation for Australia (IBRA).		11		National, through collaboration with jurisdictions.		Need to develop more efficient approaches to collating and reporting results. E.g. remote sensing, dynamic/real-time data updating.

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Appendix II

Scientific and technical needs related to the implementation of the Strategic Plan for Biodiversity 2011-2020 and its Aichi Biodiversity Targets

In this table space is provided, for each of the 20 Aichi Targets, to insert information related to (i) CBD tools and guidance, (ii) national target setting, monitoring and assessment, (iii) technical and scientific cooperation among Parties, (iv) global initiatives and partnerships and (v) capacity building support. Guiding questions for these categories are available in section C above. Information can be divided according to what is already available (existing), and what are the gaps can be provided.

Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
Target 1: <i>By 2020, at the latest, people are aware of the values of biodiversity and the steps they can take to conserve and use it sustainably.</i>			Australia's Biodiversity Conservation Strategy 2010-2030 Priority for Action 1: Engaging all Australians through: - mainstreaming biodiversity - increasing Indigenous engagement - Enhancing strategic investments and partnerships Australia's Biodiversity Conservation Strategy 2010-	Establishing baseline data on the level of awareness of the values of biodiversity and native vegetation. Commissioned report to address this. Establishing baseline data on the number of Australians and public and private organisations who participate in biodiversity conservation						

¹ More information on the Aichi Targets is available at: <http://www.cbd.int/sp/targets/>

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			2030 National Target 1. Australia's Native Vegetation Framework Goal 4 – building capacity to understand, value and manage native vegetation.	activities.						
Target 2: By 2020, at the latest, biodiversity values have been integrated into national and local development and poverty reduction strategies and planning processes and are being incorporated into national accounting, as appropriate, and reporting systems.			Australia's Native Vegetation Framework Goal 1, Target 2 (native vegetation extent). Australia's Biodiversity Conservation Strategy 2010-2030 National Targets 1, 2 and 3.							
Target 3: By 2020, at the latest, incentives, including subsidies, harmful to biodiversity are eliminated, phased out or reformed in order to minimize or avoid negative impacts, and positive incentives for the conservation and sustainable use of biodiversity are developed and applied, consistent and in harmony with the Convention and other relevant international obligations, taking			Environmental Stewardship Program							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
into account national socio economic conditions.										
Target 4: By 2020, at the latest, Governments, business and stakeholders at all levels have taken steps to achieve or have implemented plans for sustainable production and consumption and have kept the impacts of use of natural resources well within safe ecological limits.										
Target 5: By 2020, the rate of loss of all natural habitats, including forests, is at least halved and where feasible brought close to zero, and degradation and fragmentation is significantly reduced.			Australia's Native Vegetation Framework Goal 1 (native vegetation extent) and Goal 2 (native vegetation condition). Australia's Biodiversity Conservation Strategy National Targets 4, 5 and 6.							
Target 6: By 2020 all fish and invertebrate stocks and aquatic plants are managed and harvested sustainably, legally and applying ecosystem based approaches, so that overfishing is avoided, recovery plans and measures are in place for all depleted species, fisheries have no significant adverse impacts on threatened species and vulnerable ecosystems and the impacts of fisheries on stocks, species and ecosystems are within safe ecological limits.										
Target 7: By 2020 areas under agriculture, aquaculture and forestry are managed sustainably, ensuring conservation of biodiversity.			Caring for Our Country initiative							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			Biodiversity Fund Australia's Native Vegetation Framework							
Target 8: <i>By 2020, pollution, including from excess nutrients, has been brought to levels that are not detrimental to ecosystem function and biodiversity.</i>			'Australian Guidelines for Water Quality Monitoring and Reporting'		Revision currently being carried out in conjunction with New Zealand					
Target 9: <i>By 2020, invasive alien species and pathways are identified and prioritized, priority species are controlled or eradicated, and measures are in place to manage pathways to prevent their introduction and establishment.</i>			The Australian Weeds Strategy Australia's Biodiversity Conservation Strategy 2010-2030 National Target 7. Biodiversity Fund Caring for Our Country							
Target 10: <i>By 2015, the multiple anthropogenic pressures on coral reefs, and other vulnerable ecosystems impacted by climate change or ocean acidification are minimized, so as to maintain their integrity and functioning.</i>			Great Barrier Reef Marine Park Authority Strategic Plan 2012-16.							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
Target 11: <i>By 2020, at least 17 per cent of terrestrial and inland water, and 10 per cent 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.</i>			National Wildlife Corridors Plan Environmental Stewardship Program Policy: Australia's Strategy for the National Reserve System 2009-2030; Methodology: Collaborative Australian Protected Area Database (CAPAD); Methodology: Interim Biogeographic Regionalisation for Australia (IBRA)	Need to develop more efficient approaches to collating and reporting results. E.g. remote sensing, dynamic/real-time data updating.						
Target 12: <i>By 2020 the extinction of known threatened species has been prevented and their conservation status, particularly of those most in decline, has been improved and sustained.</i>			Australia's Biodiversity Conservation Strategy 2010-2030. Australia's							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			Native Vegetation Framework Caring for Our Country							
Target 13: By 2020, the genetic diversity of cultivated plants and farmed and domesticated animals and of wild relatives, including other socio-economically as well as culturally valuable species, is maintained, and strategies have been developed and implemented for minimizing genetic erosion and safeguarding their genetic diversity.										
Target 14: By 2020, ecosystems that provide essential services, including services related to water, and contribute to health, livelihoods and well-being, are restored and safeguarded, taking into account the needs of women, indigenous and local communities, and the poor and vulnerable.			Australia's Biodiversity Conservation Strategy 2010-2030 National Targets 4, 5, 6 and 7. Australia's Native Vegetation Framework Goal 2 and its associated targets (condition and function of native vegetation). Biodiversity Fund Caring for Our							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			Country							
Target 15: <i>By 2020, ecosystem resilience and the contribution of biodiversity to carbon stocks has been enhanced, through conservation and restoration, including restoration of at least 15 per cent of degraded ecosystems, thereby contributing to climate change mitigation and adaptation and to combating desertification.</i>			<p>Australia's Biodiversity Conservation Strategy 2010-2030 Priority for Action 2: Building Ecosystem Resilience in a changing climate, National Targets 5, and 6.</p> <p>Australia's Native Vegetation Framework Goal 1 – native vegetation extent and connectivity.</p> <p>Biodiversity Fund</p> <p>Caring for our Country</p> <p>Working on Country</p> <p>Indigenous Protected Areas</p> <p>National Wildlife</p>							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			Corridors Plan							
Target 16: By 2015, the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization is in force and operational, consistent with national legislation.										
Target 17: By 2015 each Party has developed, adopted as a policy instrument, and has commenced implementing an effective, participatory and updated national biodiversity strategy and action plan.			<p>Australia's Biodiversity Conservation Strategy 2010-2030 and its supporting policies:</p> <ul style="list-style-type: none"> - Australia's Native Vegetation Framework - Australia's Strategy for the National Reserve System 2009-2030. - The Australian Weeds Strategy 							
Target 18: By 2020, the traditional knowledge, innovations and practices of indigenous and local communities relevant for the conservation and sustainable use of biodiversity, and their customary use of biological resources, are respected, subject to national legislation and relevant international obligations, and fully integrated and reflected in the implementation of the Convention with the full and effective participation of indigenous and local communities, at all relevant levels.			<p>Australia's Biodiversity Conservation Strategy 2010-2030 Sub-priority 1.2: Increasing Indigenous Engagement,</p>							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			National Target 2. Australia's Native Vegetation Framework Goal 5 and its associated targets (advancing the engagement and inclusion of Indigenous peoples in management of native vegetation). Caring for Our Country Biodiversity Fund Working on Country Indigenous Protected Areas							
Target 19: By 2020, knowledge, the science base and technologies relating to biodiversity, its values, functioning, status and trends, and the consequences of its loss, are improved, widely shared and transferred, and applied.			Australia's Biodiversity Conservation Strategy 2010-2030 National Targets 8 and 9.							

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Aichi Targets ¹	CBD Tools and guidance		National target setting, monitoring and assessment		Technical and scientific cooperation among Parties		Global initiatives and partnerships		Capacity building support	
	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps	Existing	Gaps
			Australia's Native Vegetation Framework Goal 4 (building capacity to understand and value native vegetation). Biodiversity Fund Caring for Our Country							
Target 20: By 2020, at the latest, the mobilization of financial resources for effectively implementing the Strategic Plan for Biodiversity 2011-2020 from all sources, and in accordance with the consolidated and agreed process in the Strategy for Resource Mobilization, should increase substantially from the current levels. This target will be subject to changes contingent to resource needs assessments to be developed and reported by Parties.			Land Sector Package - Biodiversity Fund							