

MODEL MATRIX OF INPUT & OUTPUT INDICATORS ORGANIZED BY THEME

THEME			CBD	CITES	CMS	Ramsar
INSTITUTIONAL ARRANGEMENTS						
	Input Indicators	Output Indicators				
<i>laws</i>	Do MEA obligations require implementing legislation to have effect, or are they self-executing?					
	Presence of law(s) implementing specific biodiversity-related MEAs					
<i>strategic plan</i>	A strategic plan for biodiversity acknowledging linkages in MEA obligations	Frequency of plan updates				
	A review process for that strategic plan	Frequency of review meetings				
	Existence of a compliance assessment or compliance plan for national biodiversity laws					
	Existence of a liaison or coordination group to oversee joint MEA implementation and compliance	Frequency of group meetings				
<i>Enforcement</i>	Is enforcement authority centralized or decentralized?					
TRADE/ TRANS-BOUNDARY						
	Input Indicators	Output Indicators				
<i>permits / licenses</i>	# of staff working on permits for take or shipment of CITES species	# of permits issued for take or shipment of CITES species		✓		
		# of permits denied for take or shipment of CITES species		✓		
	# of staff working on notification and agreement procedures for LMOs	# of written consents granted for import of LMOs	✓			
		# of written consents denied for import of LMOs	✓			
	# of permitting staff trained in MEA obligations					

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TRADE/ TRANS-BOUNDARY (cont'd)	Annual budget for trade / transboundary-related permitting / licensing		✓	✓		
<i>inspections</i>	# of Customs agents trained to conduct inspections for illegal animals or animal products	# of searches conducted at port of entry by Customs agents resulting in discovery of illegal animals or animal products	?	✓	✓	
	# of Inspectors trained to conduct inspections for illegal animals or animal products	# of searches conducted at port of entry by Inspectors resulting in discovery of illegal animals or animal products	?	✓	✓	
	# of Police Officers / military personnel trained to conduct inspections for illegal animals or animal products	# of searches conducted at port of entry by Police / military resulting in discovery of illegal animals or animal products	?	✓	✓	
	# of Customs agents trained to conduct inspections for illegal LMOs	# of searches conducted at port of entry by Customs resulting in discovery of illegal LMOs	✓			
	# of Inspectors trained to conduct inspections for illegal LMOs	# of searches conducted at port of entry by Inspectors resulting in discovery of illegal LMOs	✓			
	# of Police Officers / military personnel trained to conduct inspections for illegal LMOs	# of searches conducted at port of entry by Police / military resulting in discovery of illegal LMOs	✓			
	# of Customs agents trained to conduct inspections for illegal trade in wetlands products	# of searches conducted at port of entry by Customs resulting in discovery of illegal trade in wetlands products	?	?		✓
	# of Inspectors trained to conduct inspections for illegal trade in wetlands products	# of searches conducted at port of entry by Inspectors resulting in discovery of illegal trade in wetlands products	?	?		✓
	# of Police Officers / military personnel trained to conduct inspections for illegal trade in wetlands products	# of searches conducted at port of entry by Police / military resulting in discovery of illegal trade in wetlands products	?	?		✓
	# of Customs agents trained to conduct inspections for all 3	# of combined searches conducted by Customs	✓	✓	✓	✓

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TRADE/ TRANS-BOUNDARY (cont'd)	# of Inspectors trained to conduct inspections for all 3	# of combined searches conducted by Inspectors	✓	✓	✓	✓
	# of Police Officers / military personnel trained to conduct inspections for all 3	# of combined searches conducted by Police / military	✓	✓	✓	✓
	Annual budget for such inspections		✓	✓	✓	✓
<i>prosecutions / enforcement / penalties</i>	# of prosecutors dealing with illegal shipments / smuggling of animals or animal parts	# of prosecutions dealing with illegal shipments / smuggling of animals or animal parts	?	✓	✓	
		# of convictions	?	✓	✓	
		# of instances of prosecuted illegal trade by corporations/firms in animals or animal products	?	✓	✓	
		# of imports of animals or animal products without a valid permit	?	✓	✓	
		# of days of jail time sentenced annually for illegal shipments / smuggling of animals or animal parts	?	✓	✓	
		Annual amount of fines issued for illegal shipments / smuggling of animals or animal parts	?	✓	✓	
		Annual amount of fines collected for illegal shipments / smuggling of animals or animal parts	?	✓	✓	
	# of prosecutors dealing with illegal shipments / smuggling of LMOs	# of prosecutions dealing with illegal shipments / smuggling of LMOs	✓			
		# of instances of prosecuted illegal shipments / smuggling by corporations/firms of LMOs	✓			
		# of days of jail time sentenced annually for illegal shipments / smuggling of LMOs	✓			
		Annual amount of fines issued for illegal shipments / smuggling of LMOs	✓			
		Annual amount of fines collected for illegal shipments / smuggling of LMOs	✓			

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TRADE/ TRANS-BOUNDARY (cont'd)	# of prosecutors dealing with illegal shipments / smuggling of wetlands products	# of prosecutions dealing with illegal shipments / smuggling of wetlands products	?	?		✓
		# of days of jail time sentenced annually for illegal shipments / smuggling of wetlands products	?	?		✓
		Annual amount of fines issued for illegal shipments / smuggling of wetlands products	?	?		✓
		Annual amount of fines collected for illegal shipments / smuggling of wetlands products	?	?		✓
	# of prosecutors trained to deal with illegal shipments / smuggling of all 3	# of times single prosecutors have prosecuted cases of all 3 types	✓	✓	✓	✓
	Annual budget for trade / transboundary biodiversity prosecution activities		✓	✓	✓	✓
<i>MEA linkages</i>	# of trainers available who can instruct environmental enforcement and compliance staff on how to implement transboundary obligations of multiple MEA s	# of such trainings held	✓	✓	✓	✓
	# of agencies responsible for implementation		✓	✓	✓	✓
SUSTAINABLE USE						
	Input Indicators	Output Indicators				
<i>permits / licenses</i>	# of staff working on permits / licenses for use / taking of animals	# of permits granted for use/taking of animals	✓	✓	✓	
	Annual budget for permitting / licensing for use / taking of animals	# of permits granted for use/taking of animals containing harvest levels, quotas, and/or sustainable use management plans	✓	✓	✓	
	# of staff working on permits / licenses for use / taking of plants	# of permits granted for use/taking of plants	✓	✓		✓

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SUSTAINABLE USE (cont'd)	Annual budget for permitting / licensing for use / taking of plants	# of permits granted for use/taking of plants containing harvest levels, quotas, and/or sustainable use management plans	✓	✓		✓
	# of staff working on permits / licenses for use of wetlands resources	# of permits granted for use of wetlands resources	✓			✓
	Annual budget for permitting / licensing for use of wetlands resources	# of permits granted for use of wetlands resources containing harvest levels, quotas, and/or sustainable use management plans	✓			✓
	# of permitting staff trained in MEA obligations		✓	✓	✓	✓
<i>inspections</i>	# of inspectors / rangers monitoring implementation of permits for animal use	# of inspections conducted to verify that terms of permit are met	✓	✓	✓	
	# of inspectors / rangers monitoring implementation of permits for plant use	# of inspections conducted to verify that terms of permit are met	✓	✓	✓	
	# of inspectors / rangers monitoring implementation of permits for wetlands use	# of inspections conducted to verify that terms of permit are met	✓			✓
	Annual budget for each of these inspections					
	# of inspectors trained in MEA obligations		✓	✓	✓	✓
<i>prosecutions / enforcement / penalties</i>	# of rangers / police authorized to make arrests for violations of sustainable use permits	# of arrests for violation of terms of license for use of animals	✓	✓	✓	
		# of arrests for violation of terms of license for use of plants	✓	✓		✓
		# of arrests for violation of terms of license for use of wetlands resources	✓			✓
	# of prosecutors who work on sustainable use cases	# of prosecutions for violating terms of license for use of animals	✓	✓	✓	
	Annual budget for sustainable use prosecution activities	# of prosecutions for violating terms of license for use of plants	✓	✓		✓
		# of prosecutions for violating terms of license for use of wetlands resources	✓			✓

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SUSTAINABLE USE (cont'd)		# of convictions for violating terms of license for use of animals	✓	✓	✓	
		# of convictions for violating terms of license for use of plants	✓	✓		✓
		# of convictions for violating terms of license for use of wetlands resources	✓			✓
		# of days of jail time sentenced annually for violating terms of license for use of animals	✓	✓	✓	
		# of days of jail time sentenced annually for violating terms of license for use of plants	✓	✓		✓
		# of days of jail time sentenced annually for violating terms of license for use of wetlands resources	✓			✓
		Annual amount of fines issued for violating terms of license for use of animals	✓	✓	✓	
		Annual amount of fines issued for violating terms of license for use of plants	✓	✓		✓
		Annual amount of fines issued for violating terms of license for use of wetlands resources	✓			✓
		Annual amount of fines collected for violating terms of license for use of animals	✓	✓	✓	
		Annual amount of fines collected for violating terms of license for use of plants	✓	✓		✓
		Annual amount of fines collected for violating terms of license for use of wetlands resources	✓			✓
		# of prosecutions for use of animals without a license	✓	✓	✓	
		# of prosecutions for use of plants without a license	✓	✓		✓
		# of prosecutions for use of wetlands resources without a license	✓			✓

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SUSTAINABLE USE (cont'd)		# of convictions for use of animals without a license	✓	✓	✓	
		# of convictions for use of plants without a license	✓	✓		✓
		# of convictions for use of wetlands resources without a license	✓			✓
		# of days of jail time sentenced annually for use of animals without a license	✓	✓	✓	
		# of days of jail time sentenced annually for use of plants without a license	✓	✓		✓
		# of days of jail time sentenced annually for use of wetlands resources without a license	✓			✓
		Annual amount of fines issued for use of animals without a license	✓	✓	✓	
		Annual amount of fines issued for use of plants without a license	✓	✓		✓
		Annual amount of fines issued for use of wetlands resources without a license	✓			✓
		Annual amount of fines collected for biodiversity use without a license	✓	✓	✓	✓
		# of rangers trained in MEA obligations	✓	✓	✓	✓
		# of prosecutors trained in MEA obligations	✓	✓	✓	✓
<i>MEA linkages</i>	# of trainers available who can instruct environmental enforcement and compliance staff on how to implement sustainable use obligations of multiple MEA s	# of such trainings held	✓	✓	✓	✓
	# of agencies responsible for implementation		✓	✓	✓	✓

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THEME			<i>CBD</i>	<i>CITES</i>	<i>CMS</i>	<i>Ramsar</i>
HABITAT PROTECTION						
	Input Indicators	Output Indicators				
<i>permits / licenses</i>	# of staff working on permits for alterations in forest habitat (logging roads, burning, etc.)	# of permits granted for alterations in forest habitat (logging roads, burning, etc.)	✓	✓	✓	
	# of staff working on permits for filling wetlands	# of permits granted to fill wetlands	✓	✓	✓	✓
	# of staff working on permits for altering water habitat (e.g., stream diversion)	# of permits granted for altering water habitat (e.g., stream diversion)	✓	✓		✓
	# of permitting staff trained in MEA obligations		✓	✓	✓	✓
	Annual budget for permitting / licensing related to habitat activities		✓	✓	✓	✓
<i>inspections</i>	# of inspectors/rangers conducting <i>in situ</i> inspections for habitat destruction	# of <i>in situ</i> inspections	✓	✓	✓	✓
	# of inspectors conducting flyover inspections for habitat destruction		✓	✓	✓	✓
	# of planes available for flyover inspections for habitat destruction	# of flyover inspections	✓	✓	✓	✓
	# of inspectors trained in reading satellite imagery for habitat destruction	# of times satellite imagery is used to detect instances of habitat destruction	✓	✓	✓	✓
	Annual budget for habitat inspection activities		✓	✓	✓	✓
	# of inspectors trained in MEA obligations		✓	✓	✓	✓
<i>prosecutions / enforcement / penalties</i>	# of rangers / police authorized to make arrests for habitat destructions	# of arrests for habitat destruction	✓	✓	✓	✓
	# of prosecutors who work on habitat destruction cases	# of prosecutions for habitat destruction	✓	✓	✓	✓
		# of convictions for habitat destruction	✓	✓	✓	✓
		# of days of jail time sentenced annually for habitat destruction	✓	✓	✓	✓

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THEME			CBD	CITES	CMS	Ramsar
HABITAT PROTECTION (cont'd)		Annual amount of fines issued for habitat destruction	✓	✓	✓	✓
		Annual amount of fines collected for habitat destruction	✓	✓	✓	✓
		Annual budget for habitat destruction prosecution activities	✓	✓	✓	✓
		# of prosecutors trained in MEA obligations	✓	✓	✓	✓
<i>MEA linkages</i>	# of trainers available who can instruct environmental enforcement and compliance staff on how to implement habitat protection obligations of multiple MEA s	# of such trainings held	✓	✓	✓	✓
	# of agencies responsible for implementation		✓	✓	✓	✓