SINGAPORE Third national report

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A. REPORTING PARTY

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Information on the preparation of the report

Box I.

Please provide information on the preparation of this report, including information on stakeholders involved and material used as a basis for the report.

Preliminary responses were prepared by the National Focal Point. Sections of the report were sent to relevant stakeholders Ministries and other agencies for them to revise and complete the responses. These were then collated and refined by the National Focal Point for submission.

B. PRIORITY SETTING, TARGETS AND OBSTACLES

Box II.

Please provide an overview of the status and trends of various components of biological diversity in your country based on the information and data available.

The legal basis for conservation has been improved and strengthened by amendments to the National Parks Board Act (2005) and the Parks and Trees Act (2005). Areas protected and conserved include two National Parks, four Nature Reserves (increased by two in 2002), and 22 administratively protected Nature Areas. Singapore signed the Kyoto Protocol in early 2006 and is now studying the implications of climate change for biological diversity and future trends in marine and terrestrial ecosystems (to 2100).

Total species representation in Singapore has become better known. 2282 native plant species have been recorded for Singapore, of which 25.6% are thought to have become locally extinct since 1819 (Tan 1995). These numbers, however, are continually being revised, as there are frequent discoveries and rediscoveries. The palm *Orania silvicola* (presumed locally extinct) was rediscovered in 2006, and the tree *Dipterocarpus tempehes* was discovered wild in 2005. Approximately 6.7% of native plants are considered endangered, and approximately 17.7% vulnerable (Tan 1995).

In situ conservation efforts have been strengthened by capacity building in the Singapore Botanic Gardens, amongst the staff of the Nature Reserves, and by a Plant Conservation Strategy, Bird Conservation Strategy and (under development) a Butterfly Conservation Strategy. Tracking and monitoring have been strengthened by nationwide Natural Area Surveys. Reforestation efforts continue to improve the condition of the forest, by planting with native tree species and removal of alien invasives.

Ex situ conservation has been improved by the efforts of the Singapore Botanic Gardens, work by the National University of Singapore on enrichment planting, by the National Technological University on tissue culture, and by the establishment of three new gardens known as Gardens By The Bay. This adds significantly to green space. Parks Connectors act as ecological corridors through the city, along waterways and between parks and reserves; the network is being extended by some 200km by the year 2015. Singapore strongly promotes the 'City in the Garden' concept, with an important role for urban conservation in improving the human environment to work, live and play. Efforts are complemented by the system of roadside planting and parkland that set aside space for in situ and ex situ conservation of flora and fauna.

Inland water ecosystems consist of reservoirs, streams and rivers, and freshwater swamp forest. These are maintained with little evidence of biodiversity degradation, but studies are under way to monitor and counteract the presence of alien species. The 'Active. Beautiful and Clean (ABC)' Waterways programme is led by the Public Utilities Board (PUB), and implemented jointly by PUB, National Parks Board, Urban Redevelopment Authority and other agencies; this enhances greenery along waterways, provides habitat for nature and improves native biological diversity.

Surveys have revealed remarkable survival of marine and coastal biodiversity, with discoveries of previously unreported seagrass beds, and new records of a number of molluscs and polychaetes.

Forest biological diversity is maintained predominantly within the Nature Reserves. Monitoring and population studies have been conducted in collaboration with the Centre for Tropical Forest Science, showing satisfactory resilience of timber volumes and species diversity. Population studies of mammals such as pangolins, flying lemurs, porcupines, leopard cats and slow loris show continuing survival, and discoveries in new areas.

Priority Setting

1. Please indicate, by marking an "X" in the appropriate column below, the level of priority your country accords to the implementation of various articles, provisions and relevant programmes of the work of the Convention.

	Article/Provision/Programme of Work	Le	vel of Prior	ity
	Article/110vision/110gramme of work	High	Medium	Low
a)	Article 5 – Cooperation	X		
b)	Article 6 - General measures for conservation and sustainable use	X		
c)	Article 7 - Identification and monitoring	Х		
d)	Article 8 – <i>In-situ</i> conservation	X		
e)	Article 8(h) - Alien species		X	
f)	Article 8(j) - Traditional knowledge and related provisions – N.A.	N.A.	N.A.	N.A.
g)	Article 9 – Ex-situ conservation		X	
h)	Article 10 – Sustainable use of components of biological diversity		X	
i)	Article 11 - Incentive measures			Х
j)	Article 12 - Research and training		X	
k)	Article 13 - Public education and awareness	X		
l)	Article 14 - Impact assessment and minimizing adverse impacts		X	
m)	Article 15 - Access to genetic resources		X	
n)	Article 16 - Access to and transfer of technology		X	
0)	Article 17 - Exchange of information		X	
p)	Article 18 – Scientific and technical cooperation		X	
q)	Article 19 - Handling of biotechnology and distribution of its benefits		x	
r)	Article 20 - Financial resources			Х
s)	Article 21 - Financial mechanism			Х
t)	Agricultural biodiversity			X

u) Forest biodiversity		X	
v) Inland water biodiversity		X	
w) Marine and coastal biodiversity		X	
x) Dryland and subhumid land biodiversity — N.A.	N.A.	N.A.	N.A.
y) Mountain biodiversity — N.A.	N.A.	N.A.	N.A.

Challenges and Obstacles to Implementation

2. Please use the scale indicated below to reflect the level of challenges faced by your country in implementing the provisions of the Articles of the Convention (5, 6,7, 8, 8h, 8j, 9, 10, 11,12, 13, 14, 15,16, 17, 18, 19 and 20)

10/10/11/10/11/20/									
3 = High Challenge	1 = Low Challenge								
2 = Medium Challenge	0 = Challenge has been successfully overcome								
N/A = Not applicable									

Challenges									Arti	cles								
Challenges	5	6	7	8	8h	8j	9	10	11	12	13	14	15	16	17	18	19	20
a) Lack of political will and support	0	0	0	0	0	N/ A	0	0	0	0	0	0	0	0	0	0	0	0
b) Limited public participation and stakeholder involvement	1	2	1	2	2	N/ A	0	1	1	0	1	2	2	1	2	1	1	0
c) Lack of mainstreaming and integration of biodiversity issues into other sectors	2	1	1	2	2	N/ A	1	2	2	1	2	2	2	2	2	2	2	2
d) Lack of precautionary and proactive measures	0	1	2	1	2	N/ A	1	N/ A	2	0	0	1	1	0	0	0	0	0
e) Inadequate capacity to act, caused by institutional weakness	1	0	0	8	1	N/ A	N/ A	N/ A	N/ A	0	0	0	1	0	0	0	0	0
f) Lack of transfer of technology and expertise	1	0	1	1	1	N/ A	0	N/ A	2	0	0	0	1	0	0	0	0	0
g) Loss of	N/ A																	

traditional																		
knowledge h) Lack of																		
adequate scientific research capacities to support all the objectives	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
i) Lack of accessible knowledge and information	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
j) Lack of public education and awareness at all levels	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
k) Existing scientific and traditional knowledge not fully utilized	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
l) Loss of biodiversity and the corresponding goods and services it provides not properly understood and documented	0	1	2	2	2	N/ A	N/ A	1	1	1	1	1	2	1	2	1	1	0
m) Lack of financial, human, technical resources	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
n) Lack of economic incentive measures	1	1	1	1	1	N/ A	1	1	2	0	0	2	2	1	N/ A	0	0	0
o) Lack of benefit-sharing	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
p) Lack of synergies at national and international levels	1	1	1	1	2	N/ A	1	N/ A	1	0	0	1	1	0	1	0	0	0
q) Lack of horizontal cooperation among stakeholders	0	0	0	0	0	N/ A	0	0	0	0	0	0	0	0	0	0	0	0
r) Lack of effective partnerships	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1
s) Lack of engagement of scientific	1	1	1	1	1	N/ A	1	1	1	1	1	1	1	1	1	1	1	1

community																		
t) Lack of appropriate policies and laws	0	1	N/ A	2	2	N/ A	1	1	2	0	0	1	2	0	0	0	0	0
u) Poverty	0	0	0	0	0	N/ A	0	0	0	0	0	0	0	0	0	0	0	0
v) Population pressure	N/ A	1	N/ A	2	N/ A	N/ A	N/ A	1	N/ A	0	N/ A	1	N/ A	N/ A	N/ A	N/ A	N/ A	N/ A
w) Unsustaina ble consumption and production patterns	N/ A	1	N/ A	1	N/ A	N/ A	N/ A	N/ A	1	0	N/ A							
x) Lack of capacities for local communities	N/ A																	
y) Lack of knowledge and practice of ecosystem- based approaches to management	N/ A	0	0	0	1	N/ A	N/ A	N/ A	N/ A	0	0	1	0	N/ A	N/ A	N/ A	N/ A	N/ A
z) Weak law enforcement capacity	0	0	0	0	0	N/ A	0	0	0	0	0	0	0	0	0	0	0	0
aa) Natural disasters and environmental change	N/ A	N/ A	N/ A	1	N/ A													
bb) Others (please specify)	N/ A																	

2010 Target

The Conference of the Parties, in decision VII/30, annex II, decided to establish a provisional framework for goals and targets in order to clarify the 2010 global target adopted by decision VI/26, help assess the progress towards the target, and promote coherence among the programmes of work of the Convention. Parties and Governments are invited to develop their own targets with this flexible framework. Please provide relevant information by responding to the questions and requests contained in the following tables.

Box III.

Goal 1	ity of ecosystems,									
Target 1.1	ecological regions									
I) National target: Ha	s a national target been established corresponding to the $\mathfrak c$	global target above?								
a) No	a) No									
b) Yes, the same as the global target										
c) Yes, one or more	e specific national targets have been established	X								

Please provide details below.

A ratio of 8 hectares of parkland per 10,000 capita population has been adopted

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

Programme of work	Yes	No	Details
a) Agricultural			N/A
b) Inland water		X	
c) Marine and coastal		X	
d) Dry and subhumid land			N/A
e) Forest		Х	
f) Mountain			N/A

III) Has the global or national target been incorporated into relevant plans, programmes and strategies?

a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X

Please provide details below.

The following major planning documents are available:

URA Master Plan 2003

Singapore Green Plan 2012

Singapore Green Plan 1992

- IV) Please provide information on current status and trends in relation to this target.
- 22 Nature Areas have been designated under the Singapore Green Plan. The National Parks Board works with the Urban Redevelopment Authority and other agencies on safeguarding natural habitats and their constituent biodiversity (flora and fauna) throughout Singapore, as well as in the 22 designated Nature Areas, 4 Nature Reserves and 2 National Parks.
- V) Please provide information on indicators used in relation to this target.

Maintenance of 8 habitat types in 22 Nature Areas are monitored.

VI) Please provide information on challenges in implementation of this target.

Taking into account numerous demands of the different sectors on land constraints in a small island city state is a challenge.

VII) Please provide any other relevant information.

ROX I	<i>1</i> .		3OX IV.											
Targ	get 1.2	Areas o	f part	ticula	r importance to biodiversity prote	ected								
I) N	ational target: Ha	s a nation	al tar	get be	en established corresponding to the g	global target above?								
a)	No													
b) Yes, the same as the global target														
c)	Yes, one or more	e specific ı	natior	al tar	gets have been established	X								
Please provide details below.														
As for Target 1.1. National Parks and Nature Reserves are included.														
					mes of work: If such national targe give further details in the box(es).	et(s) ha(s)(ve) been								
Pre	ogramme of wor	·k	Yes	No	Details									
a)	Agricultural				N.A.									
b)	Inland water			X										
c)	Marine and coas	tal		X										
d)	Dry and subhum	id land			N/A									
e)	Forest			X										
f)	Mountain				N/A									
	Has the global o	r nationa	l tarç	get be	een incorporated into relevant plan	s, programmes and								
a)	No													
b)	Yes, into nationa	al biodivers	sity st	rateg	y and action plan									
c)	Yes, into sectora	ıl strategie	es, pla	ns an	d programmes	X								
Ple	ease provide detai	Is below.												
ι	following guiding of JRA Master Plan 2	003												
	Singapore Green F Singapore Green F		(SGF	2012	2)									
IV) F	Please provide info	ormation c	n cur	rent s	tatus and trends in relation to this tar	get.								
		gives a fra	mewo		r implementing targets related to land r many environment-related activities									
The S	Singapore Green F	Plan can be	e acce	essed	at <u>www.mewr.gov.sg</u>									
V)	Please provide	information	on on	indica	ators used in relation to this target.									
Land	areas and percen	tages are	typica	al indi	cators used.									

VI)	Please provide	information of	on challenges i	n implementation	of this target.

The greatest challenges are limited resources in terms of manpower and funding.

VII) Please provide any other relevant information.

Box V.

Goal 2								
Target 2.1 Restore, maintain, or reduce the decline of populations of species selected taxonomic groups								
I) National target: Ha	I) National target: Has a national target been established corresponding to the global target above?							
a) No								
b) Yes, the same as the global target X								
c) Yes, one or more specific national targets have been established								

Please provide details below.

The Plant Conservation Strategy project aims to restore, maintain and reduce the decline of rare and threatened plant species in Singapore.

The Bird Conservation Strategy aims to monitor bird populations at key sites, and propose and implement methods for maintaining and increasing the populations of indigenous species.

An Insect Conservation Strategy with emphasis on butterflies is under development.

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

Programme of work	Yes	No	Details
a) Agricultural			N/A
b) Inland water		Х	
c) Marine and coastal		X	
d) Dry and subhumid land			N/A
e) Forest		Х	
f) Mountain			N/A

III) Has the global or national target been incorporated into relevant plans, programmes and strategies?

a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X

Please provide details below	٧.
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National targets are to be developed under the individual strategies mentioned above. A 5-year biodiversity survey of the Central Nature Reserves has been conducted (1993-1997), and a 2-year survey is being carried out with emphasis on interdital and marine sites.

- IV) Please provide information on current status and trends in relation to this target.
- V) Please provide information on indicators used in relation to this target.

Work is in progress on the use of indicators, including IUCN status categories, number of species and number of habitats conserved.

VI) Please provide information on challenges in implementation of this target.

The greatest challenges are limited resources in terms of manpower and funding.

Status of threatened species improved

VII) Please provide any other relevant information.

Box VI.

Target 2.2

f) Mountain

strategies?

I) National target: Has a national target been established corresponding to the global target above?							
a) No							
b) Yes, the same as the global target							
c) Yes, one or more specific national targets have been established X							
Please provide details below.							
National targets are being developed under the individual strategies mentioned above.							
II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).							
Programme of work Yes No Details							
Programme of work	Yes	No	Details				
Programme of work a) Agricultural	Yes	No	Details N/A				
-	Yes	No					
a) Agricultural	Yes						
a) Agricultural b) Inland water	Yes	X					
a) Agricultural b) Inland water c) Marine and coastal	Yes	X	N/A				

N/A

III) Has the global or national target been incorporated into relevant plans, programmes and

a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X

Please provide details below.

The Singapore Green Plan 2012 acts as a framework of targets for conservation-related activities to achieve according to a timetable, with oversight by a committee.

IV) Please provide information on current status and trends in relation to this target.

Updated terrestrial, intertidal and marine status surveys are in progress.

V) Please provide information on indicators used in relation to this target.

Under the Plant Conservation Strategy, as an example, the number of species propagated and the number of plants are used as indicators.

Seedling growth and survival are monitored under forest restoration programmes in the nature reserves.

VI) Please provide information on challenges in implementation of this target.

The greatest challenges are limited resources in terms of manpower and funding.

VII) Please provide any other relevant information.

Box VII.

Goal 3								
Target 3.1 Genetic diversity of crops, livestock, and of harvested species of fish and wildlife and other valuable species conserved, and asso indigenous and local knowledge maintained								
I) National target: H	National target: Has a national target been established corresponding to the global target above?							
a) No								
b) Yes, the same as the global target								
c) Yes, one or more specific national targets have been established X								
Please provide details below.								

Policy is to conserve more than one site of each representative key ecosystem. Mangroves, tropical evergreen dipterocarp forest, freshwater swamp forest, coral reefs and numerous other ecosystems are represented.

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

Programme of work	Yes	No	Details
a) Agricultural			N/A

b) Inland water	b) Inland water X							
c) Marine and coastal		X						
d) Dry and subhumid land N/A								
e) Forest		X						
f) Mountain			N/A					
III) Has the global or nationa strategies?	al targe	et be	een incorporated into relevant plan	s, programmes and				
a) No								
b) Yes, into national biodiver	b) Yes, into national biodiversity strategy and action plan							
c) Yes, into sectoral strategi	c) Yes, into sectoral strategies, plans and programmes X							
Please provide details below.								
The Plant Conservation Strategy and the Bird Conservation Strategy are examples of Singapore's implementation of measures in the field. The issuing of research permits related to biological research helps in monitoring usage of biological and genetic diversity.								
IV) Please provide information on current status and trends in relation to this target.								
Current activities include review of development plans, impact assessments, setting up of the National Biodiversity Reference Centre website. The National Parks Board carries out programmes of forest restoration, plant salvage, coral replanting, in collaboration with other agencies.								
V) Please provide information	/) Please provide information on indicators used in relation to this target.							
Number of plant species and individuals propagated, number of research permits issued, compilation of scientific published output, and forest restoration / tree-planting programmes are amongst the indicators available.								
VI) Please provide information on challenges in implementation of this target.								
VII) Please provide any other relevant information.								

Box VIII.

Goal 4 Promote sustainable use and consumption.							
Target 4.1 Biodiversity-based products derived from sources that are sustainably managed, and production areas managed consistent with the conservation of biodiversity							
National target: Has a national target been established corresponding to the global target above?							
a) No							
b) Yes, the same as the global target							
c) Yes, one or more specific national targets have been established X							
Please provide details below.							

Singapore promotes the use of products from sustainably managed forests, or other forms of sustainable production. Such promotion applies more to imported raw materials and products rather than those produced within country because Singapore's forests are not exploited commercially.

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

established, please indicate here, and give further details in the box(es).							
Programme of work Yes No Details							
a) Agricultural N/A							
b) Inland water X							
c) Marine and coastal X							
d) Dry and subhumid land N/A							
e) Forest X							
f) Mountain			N/A				
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?							
a) No	a) No						
b) Yes, into national biodiversity strategy and action plan							
c) Yes, into sectoral strategies, plans and programmes X							
Please provide details below.							
IV) Please provide information	on cur	rent s	status and trends in relation to this tar	rget.			
V) Please provide information	on ind	icator	s used in relation to this target.				
VI) Please provide information on challenges in implementation of this target.							
VII) Please provide any other relevant information.							

Box IX

DUX IX.						
Target 4.2	Unsustainab upon biodive		nsumption, of biological resource , reduced	es, or that impacts		
I) National target: Has	s a national tar	get be	een established corresponding to the ç	global target above?		
a) No				Х		
b) Yes, the same as	the global tar	get				
c) Yes, one or more	specific nation	nal tar	gets have been established			
Please provide detail	ls below.					
Singapore engages in has limited relevance to		ive us	e of indigenous biological resources.	The target therefore		
			mes of work: If such national targe give further details in the box(es).	et(s) ha(s)(ve) been		
Programme of wor	k Yes	No	Details			
a) Agricultural			N/A			
b) Inland water		Х				
c) Marine and coast	tal	X				
d) Dry and subhum	id land		N/A			
e) Forest		X				
f) Mountain			N/A			
III) Has the global or strategies?	r national tar	get be	een incorporated into relevant plan	s, programmes and		
a) No						
b) Yes, into nationa	l biodiversity s	tratec	y and action plan			
c) Yes, into sectora	l strategies, pla	ans ar	nd programmes	X		
Please provide detail	ls below.					
Singapore has incorporated biodiversity considerations into land use planning, for example through the URA Master Plan, the Special and Detailed Controls Plan, and the Singapore Green Plan (SGP) 2012.						
IV) Please provide information on current status and trends in relation to this target.						
V) Please provide information on indicators used in relation to this target.						
VI) Please provide information on challenges in implementation of this target.						
VII) Please provide any	other relevan	tinfor	mation.			

BOX A.						
Target 4.3	No spec	cies o	f wild	I flora or fauna endangered by inte	ernational trade	
I) National target: Has	s a nation	al tar	get be	en established corresponding to the g	lobal target above?	
a) No						
b) Yes, the same as	s the glob	al tar	get		Х	
c) Yes, one or more	specific	natior	al tar	gets have been established		
Please provide detai	Is below.					
				and therefore abides by internation within Singapore are generally not trans		
				mes of work: If such national targe live further details in the box(es).	t(s) ha(s)(ve) been	
Programme of wor	k	Yes	No	Details		
a) Agricultural				N/A		
b) Inland water			X			
c) Marine and coas	tal		X			
d) Dry and subhum	id land			N.A.		
e) Forest			X			
f) Mountain				N.A.		
III) Has the global o strategies?	r nationa	l tarç	get be	een incorporated into relevant plans	s, programmes and	
a) No						
b) Yes, into nationa	I biodiver	sity s	trateg	y and action plan		
c) Yes, into sectora	l strategi	es, pla	ans an	d programmes	X	
Please provide detai	Is below.					
Singapore is a party to CITES. Policy on import and export of wild flora and fauna is subject to interagency consultation, e.g. between the Agri-Veterinary Authority, National Parks Board and other relevant agencies. Cases are referred to scientific review when required.						
IV) Please provide information on current status and trends in relation to this target.						
V) Please provide information on indicators used in relation to this target.						
VI) Please provide information on challenges in implementation of this target.						
VII) Please provide any other relevant information.						

Box XI.						
Goal 5		Pressures from habitat loss, land use change and degradation, and unsustainable water use, reduced.				
Target 5.1	Rate of	loss	and d	legradation of natural habitats dec	creased	
I) National target: Has	s a natior	al tar	get be	en established corresponding to the g	Jlobal target above?	
a) No						
b) Yes, the same as	s the glob	al tar	get			
c) Yes, one or more	specific	nation	al tar	gets have been established	X	
Please provide detai	Is below.					
				00 capita population has been adopt fully protected within Nature Reserve		
•	•	•	_	mes of work: If such national targe give further details in the box(es).	et(s) ha(s)(ve) been	
Programme of wor	k	Yes	No	Details		
a) Agricultural				N/A		
b) Inland water			Х			
c) Marine and coastal			X			
d) Dry and subhum	d) Dry and subhumid land			N/A		
e) Forest	e) Forest					
f) Mountain				N/A		
III) Has the global o strategies?	r nationa	ıl tarç	get be	een incorporated into relevant plan	s, programmes and	
a) No						
b) Yes, into nationa	ıl biodiver	sity s	trateg	y and action plan		
c) Yes, into sectora	l strategi	es, pla	ans an	d programmes	X	
Please provide details below.						
Land use planning is conducted on a multi-agency basis. A National Biodiversity Reference Centre website has been established, and the National Parks Board advises on biodiversity in relation to land use and development. Biodiversity impact assessments are required in certain cases.						
IV) Please provide information on current status and trends in relation to this target.						
	s are rec	uired		ween agencies, with encouraging responduct pre-planning studies and mak		
V) Please provide info	rmation o	on ind	icators	s used in relation to this target.		

VI) Please provide information on challenges in implementation of this target.

There is a shortage of manpower and funding resources. Non-biodiversity related agencies have to put in more effort and manpower on topics they are less familiar with.

VII) Please provide any other relevant information.

Goal 6	Control th	hreats fr	om invasive alien species.				
Target 6.1	Pathways	s for maj	or potential alien invasive species	controlled			
I) National target: Has a national target been established corresponding to the global target above?							
a) No							
b) Yes, the same as	the global	target					
			gets have been established	X			
Please provide details							
are carried out to avoid strict plant importation II) National targets for	d accidenta requirement or specific	al import nts. program	e Agri-Veterinary Authority. Soil check ation of unwanted pests and micro-o	rganisms. There are			
			give further details in the box(es). Details				
Programme of work	1	es No	Details				
a) Agricultural			N/A				
b) Inland water		Х					
c) Marine and coast	al	Х					
d) Dry and subhumi	d land		N/A				
e) Forest		X					
f) Mountain			N/A				
III) Has the global or strategies?	national	target b	een incorporated into relevant plan	s, programmes and			
a) No							
b) Yes, into national	biodiversit	ty strateg	y and action plan				
c) Yes, into sectoral	strategies	, plans ar	nd programmes	X			
Please provide details	s below.						
IV) Please provide infor	rmation on	current s	status and trends in relation to this tar	rget.			
This is ongoing. There	is progres	ssive ren	noval of some invasives (e.g., Smila	x) from the Nature			

Reserves. There is increasing awareness of the issues and need for controls.							
V) Please provide information on indicators used in relation to this target.							
One indicator is number of pest organisms removed. A checklist of invasives is being compiled.							
VI) Please provide information on challenges in implementation of this target.							
VII) Please provide any other relevant information.							
Box XIII.							
Target 6.2 Management plans in place for major alien species that threaten ecosystems, habitats or species							
I) National target: Has a national target been established corresponding to the global target above?							
a) No							
b) Yes, the same as the global target							
c) Yes, one or more specific national targets have been established X							
Please provide details below.							
The Singapore Green Plan calls for a concerted effort in controlling alien invasives. Policy is to reduce the number of invasive species of both plants and animals.							

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

Pro	ogramme of work	Yes	No	Details		
a)	Agricultural			N/A		
b)	Inland water		X			
c)	Marine and coastal		X			
d)	Dry and subhumid land			N/A		
e)	Forest		X			
f)	Mountain			N/A		
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?						
a)	No					
b)) Yes, into national biodiversity strategy and action plan					
c)	Yes, into sectoral strategies, plans and programmes X					
Please provide details below.						
Cullin	ng of major alien pests suc	ch as	House	Crows and Red-Eared Sliders is carr	ried out periodically.	

There are weed removal programmes (e.g., to eradicate growth of Smilax and Clidemia hirta) in the Nature Reserves.

IV) Please provide information on current status and trends in relation to this target.

Programmes are continuing, but this is a slow and long-term process.

V) Please provide information on indicators used in relation to this target.

Examples are the number of species targeted for control, and the population size of particular species (e.g., House Crows).

VI) Please provide information on challenges in implementation of this target.

Funding, manpower resources, and the implementing of control measures such as quarantine, border controls and identification of alien species are constraints.

VII) Please provide any other relevant information.

Box XIV.

Goal 7 Address challenges to biodiversity from climate change, and pollution.							
Target 7.1 Maintain and enhance resilience of the components of biodiversity adapt to climate change							
I) National target: Has a national target been established corresponding to the global target above?							
a) No							
b) Yes, the same as the global target							
c) Yes, one or more specific national targets have been established X							
Please provide det	ails below.						

Singapore signed the Kyoto Protocal in 2006 and has prepared a National Climate Change Strategy (NCCS).

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

Programme of work	Yes	No	Details
a) Agricultural			N/A
b) Inland water		X	
c) Marine and coastal		X	
d) Dry and subhumid land			N/A
e) Forest		X	
f) Mountain			N/A

III) Has the global or national target been incorporated into relevant plan strategies?	s, programmes and
a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X
Please provide details below.	
Studies of vulnerability, adaptation measures and mitigation are being underta with reference to biological diversity, with a view to elaborating the Natio Strategy (NCCS) into a series of implementable plans with time-bound or every	nal Climate Change ent-bound targets.
There is a Sustainable Green Technology Building programme, with incentives to	industry.
IV) Please provide information on current status and trends in relation to this tar	get.
V) Please provide information on indicators used in relation to this target.	
VI) Please provide information on challenges in implementation of this target.	
The multifarious predicted impacts of climate change on biological diversity r difficult.	make priority-setting
VII) Please provide any other relevant information.	

Box XV.

Target 7.2 Reduce pollution and its impacts on biodiversity						
as a national tar	get be	en established corresponding to the g	lobal target above?			
as the global tar	get					
e specific nation	nal tar	gets have been established	X			
ils below.						
nder the purvie	w of th	ne National Environment Agency (NEA).			
			t(s) ha(s)(ve) been			
rk Yes	No	Details				
		N/A				
	X					
c) Marine and coastal X						
		N.A.				
	as a national tar as the global tar re specific nation ails below. Inder the purview for specific prose indicate here ork Yes	as a national target be as the global target re specific national target re specific national target re specific national target re specific national target re specific programmer the purview of the see indicate here, and cork Yes No X	as a national target been established corresponding to the grass the global target re specific national targets have been established ails below. Inder the purview of the National Environment Agency (NEA) for specific programmes of work: If such national targets in dicate here, and give further details in the box(es). Ork Yes No Details N/A X Stal X			

e)	Forest		X					
f)	Mountain			N.A.				
	III) Has the global or national target been incorporated into relevant plans, programmes and strategies?							
a)	No							
b)	Yes, into national biodiver	sity st	trateg	y and action plan				
c)	Yes, into sectoral strategi	es, pla	ans an	d programmes	X			
Ple	ase provide details below.							
NEA conducts regular monitoring programmes, to assess performance against targets. Individual developments and industries are also assessed. Programmes are in place to monitor and reduce pollution, litter, and haze. These include but are not limited to impacts on biological diversity.								
IV) F	IV) Please provide information on current status and trends in relation to this target.							
V) F	Please provide information	on ind	icator	s used in relation to this target.				
VI) F	VI) Please provide information on challenges in implementation of this target.							
The greatest challenges are limited resources in terms of manpower and funding.								
VII) F	Please provide any other re	levant	infori	mation.				

Box XVI.

Goal 8	Maintain capacity of ecosystems to deliver goods and services and support livelihoods.							
Target 8.1	Capacity of ecosystems to deliver goods and services maintained							
I) National target: H	I) National target: Has a national target been established corresponding to the global target above?							
a) No								
b) Yes, the same as the global target								
c) Yes, one or more specific national targets have been established X								
Please provide det	ails below.							

National targets on water retention and treatment depend on management of catchments, which include the Nature Reserves, the forest delivering goods and services in climate amelioration, water capture and water quality. The forested areas, inland waters and marine areas provide recreational services. These and other goods and services are managed and maintained through site management and ecosystem management.

The Public Utilities Board conducts the "Active, Beautiful and Clean (ABC) Programme" for waterways in collaboration with National Parks Board. The vision of the National Parks Board includes "enhancing the quality of life by providing and managing excellent greenery, recreation and outreach, in partnership with the community". It is the objective of the Singapore government to provide an environment suitable to work, live and play.

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).					
Programme of work	Yes	No	Details		
a) Agricultural			N/A		
b) Inland water		X			
c) Marine and coastal		X			
d) Dry and subhumid land			N.A.		
e) Forest		X			
f) Mountain			N.A.		
III) Has the global or nation strategies?	nal tarç	get be	een incorporated into relevant plan	s, programmes and	
a) No					
b) Yes, into national biodiv	ersity s	trateg	y and action plan		
c) Yes, into sectoral strate	gies, pla	ans ar	nd programmes	X	
Please provide details below	<i>I</i> .				
the enjoyment of goods a	nd serv ity In I	ices fi Bloom	ucation and awareness programmes. I rom biodiversity is an important them programme, Young Arborists Progra ivities.	e. The community is	
IV) Please provide information	n on cur	rent s	tatus and trends in relation to this tar	get.	
In addition to the Parks pro Connectors is being great			hectares per 10,000 population, thover the next decade.	ne system of Parks	
V) Please provide information	on ind	icator	s used in relation to this target.		
VI) Please provide information	on cha	alleng	es in implementation of this target.		
VII) Please provide any othe	r releva	nt inf	ormation.		

Box XVII.

Target 8.2			es that support sustainable livel a care, especially of poor people m			
I) National target: H	as a national tar	get be	een established corresponding to the g	Jlobal target above?		
a) No				X		
b) Yes, the same a	as the global tar	get				
c) Yes, one or more specific national targets have been established						
Please provide details below.						
This is not directly applicable to Singapore.						
			mes of work: If such national targe give further details in the box(es).	et(s) ha(s)(ve) been		
Programme of wo	ork Yes	No	Details			
a) Agricultural			N/A			
b) Inland water			N/A			
c) Marine and coa	c) Marine and coastal N/A					
d) Dry and subhu	mid land		N.A.			
e) Forest			N/A			
f) Mountain			N.A.			
III) Has the global strategies?	or national tar	get be	een incorporated into relevant plan	s, programmes and		
a) No						
b) Yes, into nation	nal biodiversity s	trateg	y and action plan			
c) Yes, into sector	al strategies, pla	ans ar	nd programmes	Х		
Please provide deta	ails below.					
IV) Please provide in	formation on cui	rrent s	status and trends in relation to this tar	get.		
V) Please provide in	formation on inc	dicator	rs used in relation to this target.			
VI) Please provide in	formation on cha	alleng	es in implementation of this target.			
VII) Please provide ar	ny other relevan	t infor	mation.			

Box XVIII.

CIO						
Goal 9	Maintain soc	io-cult	tural diversity of indigenous and lo	ocal communities.		
Target 9.1	Protect trad	tional	knowledge, innovations and pract	ices		
I) National target: Has a national target been established corresponding to the global target above?						
a) No	a) No X					
b) Yes, the same as the global target						
c) Yes, one or more specific national targets have been established						
Please provide details below.						
Not applicable in Singapore, because of the lack of traditional and indigenous communities and traditional knowledge.						
			mes of work: If such national targe give further details in the box(es).	t(s) ha(s)(ve) been		
Programme of wo	ork Yes	No	Details			
a) Agricultural			N.A.			
b) Inland water			N.A.			
c) Marine and coa	istal	stal N.A.				
d) Dry and subhu	mid land		N.A.			
e) Forest			N.A.			
f) Mountain			N.A.			
III) Has the global strategies?	or national ta	rget be	een incorporated into relevant plan	s, programmes and		
a) No						
b) Yes, into nation	nal biodiversity	strateg	y and action plan	N.A.		
c) Yes, into sector	al strategies, p	lans ar	nd programmes			
Please provide deta	ails below.					
IV) Please provide in	formation on c	urrent s	status and trends in relation to this tar	get.		
V) Please provide in	formation on ir	dicator	rs used in relation to this target.			
VI) Please provide in	formation on cl	nalleng	es in implementation of this target.			
VII) Please provide ar	ny other releva	nt infor	mation.			

Box XIX.

DOX XIXI					
Target 9.2 Protect the rights of indigenous and local communities over their traditional knowledge, innovations and practices, including their rights to benefit sharing					
I) National target: Ha	s a national tar	get be	een established corresponding to the c	global target above?	
a) No	N.A.				
b) Yes, the same as the global target					
c) Yes, one or more specific national targets have been established					
Please provide details below.					
Not applicable in Singapore.					
			mes of work: If such national targe give further details in the box(es).	et(s) ha(s)(ve) been	
Programme of wor	rk Yes	No	Details		
a) Agricultural			N.A.		
b) Inland water			N.A.		
c) Marine and coas	tal		N.A.		
d) Dry and subhum	nid land		N.A.		
e) Forest			N.A.		
f) Mountain			N.A.		
III) Has the global o strategies?	r national tar	get be	een incorporated into relevant plan	s, programmes and	
a) No				N.A.	
b) Yes, into nationa	al biodiversity s	trateg	y and action plan		
c) Yes, into sectora	al strategies, pl	ans ar	nd programmes		
Please provide detai	ils below.				
Not applicable in Singa	apore.				
IV) Please provide info	ormation on cu	rrents	status and trends in relation to this tar	rget.	
V) Please provide info	ormation on inc	licator	rs used in relation to this target.		
,			- 1. Julion to this target.		
VI) Please provide info	ormation on ch	alleng	es in implementation of this target.		
VII) Please provide any	y other relevan	t infor	mation.		

Box XX.						
Goal 10	Ensure the use of genet		nd equitable sharing of benefits ources.	arising out of the		
Target 10.1	Biological D	Divers	enetic resources are in line with sity, the International Treaty od and Agriculture and other appli	on Plant Genetic		
I) National target: Has a national target been established corresponding to the global target above?						
a) No	a) No					
b) Yes, the same as	b) Yes, the same as the global target X					
c) Yes, one or more specific national targets have been established						
Please provide detai	ls below.					
	to, and fair a	nd equ	th other ASEAN countries in the drafuitable sharing of benefits from, gerreements.			
			mes of work: If such national targe give further details in the box(es).	et(s) ha(s)(ve) been		
Programme of wor	k Yes	No	Details			
a) Agricultural			N.A.			
b) Inland water		×				
c) Marine and coas	tal	X				
d) Dry and subhum	id land		N.A.			
e) Forest		X				
f) Mountain			N.A.			
III) Has the global or strategies?	national tar	get be	een incorporated into relevant plan	s, programmes and		
a) No						
b) Yes, into nationa	I biodiversity s	trateg	y and action plan			
c) Yes, into sectora	l strategies, pla	ans an	d programmes	X		
Please provide detai	ls below.					
	r activities are		issuing research permits. Singapor pursued through cooperative progra			
IV) Please provide info	rmation on cui	rent s	status and trends in relation to this tar	get.		
V) Please provide info	rmation on inc	licator	s used in relation to this target.			

Number of enquiries re	eceived, numbe	er of re	esearch permits issued, and benefits re	eceived.
VI) Please provide info	ormation on cha	allenge	es in implementation of this target.	
•			of biological resources, and balancir	ng these needs is a
VII) Please provide any	y other relevant	t infor	mation.	
Box XXI .				
			om the commercial and other uti vith the countries providing such r	
I) National target: Ha	as a national tar	get be	een established corresponding to the g	lobal target above?
a) No				
b) Yes, the same a	s the global tar	get		
c) Yes, one or more	e specific nation	nal tar	gets have been established	X
Please provide detail	ils below.			
			th other ASEAN countries in the draf	
wording is in accordan II) National targets f	nce with applicated the specific profession of t	ble ag	mes of work: If such national targe	
II) National targets festablished, please	for specific prose indicate here,	ogrami and g	mes of work: If such national targe give further details in the box(es).	
II) National targets f established, please Programme of wor	for specific prose indicate here,	ble ag	reements. mes of work: If such national targe	
II) National targets festablished, please	for specific prose indicate here,	ogrami and g	mes of work: If such national targe give further details in the box(es). Details	
II) National targets f established, please Programme of wor a) Agricultural	for specific prose indicate here, rk Yes	ogrami and g	mes of work: If such national targe give further details in the box(es). Details	
II) National targets f established, please Programme of wor a) Agricultural b) Inland water	for specific prose indicate here, rk Yes X stal X	ogrami and g	mes of work: If such national targe give further details in the box(es). Details	
II) National targets for established, please Programme of word a) Agricultural b) Inland water c) Marine and coast	for specific prose indicate here, rk Yes X stal X	ogrami and g	mes of work: If such national targe give further details in the box(es). Details N.A.	
II) National targets for established, please Programme of work a) Agricultural b) Inland water c) Marine and coase d) Dry and subhum	for specific prose indicate here, rk Yes X stal X nid land	ogrami and g	mes of work: If such national targe give further details in the box(es). Details N.A.	
II) National targets for established, please Programme of work a) Agricultural b) Inland water c) Marine and coase d) Dry and subhum e) Forest f) Mountain	for specific prose indicate here, rk Yes X stal X	ogrami and g	mes of work: If such national targe give further details in the box(es). Details N.A. N.A.	et(s) ha(s)(ve) been
II) National targets for established, please Programme of work a) Agricultural b) Inland water c) Marine and coase d) Dry and subhum e) Forest f) Mountain III) Has the global of	for specific prose indicate here, rk Yes X stal X	ogrami and g	mes of work: If such national targe give further details in the box(es). Details N.A. N.A.	et(s) ha(s)(ve) been
II) National targets festablished, please Programme of wor a) Agricultural b) Inland water c) Marine and coase d) Dry and subhum e) Forest f) Mountain III) Has the global of strategies? a) No	for specific prose indicate here, rk Yes X stal X or national targ	ogrami and g No	mes of work: If such national targe give further details in the box(es). Details N.A. N.A.	et(s) ha(s)(ve) been
II) National targets festablished, please Programme of wor a) Agricultural b) Inland water c) Marine and coase d) Dry and subhum e) Forest f) Mountain III) Has the global of strategies? a) No	for specific prose indicate here, rk Yes X stal X or national targ al biodiversity start A property start A pro	ogrami and g No	mes of work: If such national target give further details in the box(es). Details N.A. N.A. N.A. Peen incorporated into relevant plantary and action plantary and action plantary.	et(s) ha(s)(ve) been
II) National targets for established, pleased Programme of work a) Agricultural b) Inland water c) Marine and coased d) Dry and subhum e) Forest f) Mountain III) Has the global of strategies? a) No b) Yes, into national	for specific prose indicate here, rk Yes X stal X nid land X or national targetal strategies, plane	ogrami and g No	mes of work: If such national target give further details in the box(es). Details N.A. N.A. N.A. Peen incorporated into relevant plantary and action plantary and action plantary.	s, programmes and

Centre for Biodiversity.
IV) Please provide information on current status and trends in relation to this target.
V) Please provide information on indicators used in relation to this target.
Number of enquiries received, number of research permits issued, and benefits received.
VI) Please provide information on challenges in implementation of this target.
Singapore is both a user and a provider of biological resources, and balancing these needs is a challenge.
VII) Please provide any other relevant information.

Box XXII.

Goal 11	Parties have improved financial, human, scienti technological capacity to implement the Convention							
Target 11.1	Mew and additional financial resources are transferred to developing country Parties, to allow for the effective implementation of their commitments under the Convention, in accordance with Article 20							
I) National target: Ha	s a national target been established corresponding to the g	plobal target above?						
a) No								
b) Yes, the same as	s the global target							
c) Yes, one or more	e specific national targets have been established	X						

Please provide details below.

Staff strength of the Biodiversity Cnetre has been increased, and training is provided by National Parks Board and a variety of other institutions. Sharing of skills, technical expertise and experience is routine between institutions.

II) National targets for specific programmes of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).

Programme of work	Yes	No	Details
a) Agricultural			N/A
b) Inland water	X		
c) Marine and coastal	X		
d) Dry and subhumid land			N.A.
e) Forest	Х		
f) Mountain			N.A.

III) Has the global or national target been incorporated into relevant p strategies?	ans, programmes and
a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X
Please provide details below.	
IV) Please provide information on current status and trends in relation to this	target.
V) Please provide information on indicators used in relation to this target.	
VI) Please provide information on challenges in implementation of this target	
VII) lease provide any other relevant information.	
The same and same and same release and the same and the s	

Target 11.2	the effectiv	e im	nsferred to developing country Pa plementation of their commitr ordance with its Article 20, paragr	ments under the
I) National target: Has	s a national ta	rget be	een established corresponding to the g	global target above?
a) No				
b) Yes, the same as	the global ta	rget		
c) Yes, one or more	specific natio	nal tar	gets have been established	X
Please provide detai	ls below.			
Parks Board and a vari	ety of other in	stitutio	nas been increased, and training is pons. Sharing of skills, technical expert inical collaboration with overseas ager	ise and experience i
Parks Board and a varion routine between institution. II) National targets for	ety of other in tions, includir or specific pre indicate here	stitution og tech ogram ogram	ons. Sharing of skills, technical expert	ise and experience incies.
Parks Board and a varieroutine between institution II) National targets for established, please	ety of other in tions, includir or specific pre indicate here	stitution og tech ogram ogram	ons. Sharing of skills, technical expert inical collaboration with overseas ager mes of work: If such national targe give further details in the box(es).	ise and experience incies.
Parks Board and a variation of the parks Board and Board	ety of other in tions, includir or specific pre indicate here	stitution og tech ogram ogram	mes of work: If such national targe give further details in the box(es). Details	ise and experience incies.
Parks Board and a variation of the contine between institution. II) National targets for established, please programme of wor a) Agricultural	ety of other in tions, includir or specific pre indicate here	ogram ogram ogram No	mes of work: If such national targe give further details in the box(es). Details	ise and experience incies.
Parks Board and a varieroutine between institutional targets for established, please Programme of wor a) Agricultural b) Inland water	ety of other in tions, includir or specific pre indicate here k Yes	ogram ogram No	mes of work: If such national targe give further details in the box(es). Details	ise and experience incies.

f) Mountain		N.A.	
III) Has the global or nation strategies?	al target be	een incorporated into relevant plan	s, programmes and
a) No			
b) Yes, into national biodiv	ersity strateg	gy and action plan	
c) Yes, into sectoral strate	gies, plans ar	nd programmes	X
Please provide details below	<u>'.</u>		
Allocations for foreign assistar	ce have beer	n determined in collaboration with the	Ministry of Finance.
IV) Please provide information	on current :	status and trends in relation to this tar	rget.
V) Please provide information	on indicator	rs used in relation to this target.	
VI) Please provide information	on challeng	es in implementation of this target.	
VII) Please provide any other i	elevant infor	mation.	

Global Strategy for Plant Conservation (GSPC)

The Conference of the Parties, in decision VI/9, annex, adopted the Global Strategy for Plant Conservation. Parties and Governments are invited to develop their own targets with this flexible framework. The Conference of the Parties considered the Strategy as a pilot approach for the use of outcome oriented targets under the Convention. In decision VII/10, the Conference of the Parties decided to integrate the targets into the reporting framework for the Third National Reports. Please provide relevant information by responding to the questions and requests contained in the following tables.

Box XXIV.

Target 1. A widely accessible working list of known plant species, as a step towards a complete world flora.	
Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
A complete list has been published (Gardens' Bulletin Singapore)	
II) Has your country incorporated the above global or national target into releva programmes and strategies?	nt plans,
a) Yes	X
b) No	
Please specify	

The	list is the basis for assessments, surveys, monitoring and Red Data Book preparation.
III)	Current status (please indicate current status related to this target)
Done	e e
IV)	Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)
Done	e
	Progress made towards target (please specify indicators used to monitor progress towards the target)
Done	e
VI)	Constraints to achieving progress towards the target
N/A	
VII)	Any other relevant information
-	
VI) N/A	target) e Constraints to achieving progress towards the target

Box XXV.

Target 2. A preliminary assessment of the conservation status of all known plant species, at national, regional and international levels.		
I)) Has your country established national target corresponding to the above global target?	
	a) Yes	X
	b) No	
	Please specify	
The	Singapore Red Data Book was published in 1994 and is undergoing revision for as	second edition.
11)	Has your country incorporated the above global or national target into relevant plaprogrammes and strategies?	ans,
	a) Yes	X
	b) No	
	Please specify	
III)	Current status (please indicate current status related to this target)	
Revi	ised list using IUCN criteria is in preparation.	
IV)	Measures taken to achieve target (please indicate activities, legislative measures steps taken with a view to achieve the target)	and other
Colla	aboration occurs with academic institutions, non-governmental organizations and e	xperts

V)	Progress made towards target (please specify indicators used to monitor progress towards the target)	
VI)	Constraints to achieving progress towards the target	
Stat	ff time, and information on population size of each species, are constraints	
VII) Any other relevant information		
Box XXVI.		
Target 3. Development of models with protocols for plant conservation and sustainable		

Box XXVI.	
Target 3. Development of models with protocols for plant conservation and use, based on research and practical experience.	sustainable
I) Has your country established national target corresponding to the above global targ	et?
a) Yes	Х
b) No	
Please specify	
A Standard Operating Procedure has been developed, in consultation with various agen includes protocols.	cies. This
II) Has your country incorporated the above global or national target into relevant pla programmes and strategies?	ns,
a) Yes	X
b) No	
Please specify	
The Plant Conservation Strategy is a continuing programme of activities.	
III) Current status (please indicate current status related to this target)	
In operation. There are activities to locate, identify, propagate and distribute surplus steplant species to improve their status.	ocks of rare
IV) Measures taken to achieve target (please indicate activities, legislative measures a steps taken with a view to achieve the target)	nd other
V) Progress made towards target (please specify indicators used to monitor progress target)	towards the
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

Box XXVII.

Target 4. At least ten percent of each of the world's ecological regions effectively conserved.		
I) Has your country established national target corresponding to the above glo	obal target?	
a) Yes	X	
b) No		
Please specify		
A ratio of 8 hectares of parkland per 10,000 capita population has been adopte This includes National Parks and Nature Reserves.	d.	
II) Has your country incorporated the above global or national target into rele programmes and strategies?	vant plans,	
a) Yes	X	
b) No		
Please specify		
The URA Master Plan and the Singapore Green Plan 2012 are guiding documents related to land use for conservation purposes. The aim is to conserve at least one representative example of each ecosystem.		
III) Current status (please indicate current status related to this target)		
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)		
 V) Progress made towards target (please specify indicators used to monitor p the target) 	rogress towards	
VI) Constraints to achieving progress towards the target		
VII) Any other relevant information		

Box XXVIII.

Target 5. Protection of fifty percent of the most important areas for plant diversity assured.		
I) Has your country established national target corresponding to the above glo	bal target?	
a) Yes	X	
b) No		
Please specify		
A listing of sites important for biological diversity, including plant diversity, has	been prepared.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?		
a) Yes	X	
b) No		
Please specify		
The listing is shared with other agencies and used as a basis in consultations on planning		
III) Current status (please indicate current status related to this target)		
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)		
V) Progress made towards target (please specify indicators used to monitor p target)	rogress towards the	
VI) Constraints to achieving progress towards the target		
VII) Any other relevant information		

Box XXIX.

Target 6. At least thirty percent of production lands managed consistent with the conservation of plant diversity.		
Has your country established national target corresponding to the above global target?		
a) Yes		
b) No	N.A.	
Please specify		
This target is not applicable in Singapore		
II) Has your country incorporated the above global or national target into reprogrammes and strategies?	evant plans,	
a) Yes		
b) No	N.A.	
Please specify		
III) Current status (please indicate current status related to this target)		
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)		
V) Progress made towards target (please specify indicators used to monitor the target)	progress towards	
VI) Constraints to achieving progress towards the target		
VII) Any other relevant information		

Box XXX.

Target 7. Sixty percent of the world's threatened species conserved In-situ.			
1)	Has your country established national target corresponding to the above global target?		
	a) Yes	X	
	b) No		
	Please specify		
The Singapore Red Data Book provides a framework for national planning on threatened species.			
11)	I) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?		
	a) Yes	X	
	b) No		

Please specify
The majority of indigenous forest species are conserved within the Nature Reserves. The Plant Conservation Strategy, Bird Conservation Strategy and the Insect Conservation Strategy under development are the basis for species-targeted conservation activities
III) Current status (please indicate current status related to this target)
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)
V) Progress made towards target (please specify indicators used to monitor progress towards the target)
VI) Constraints to achieving progress towards the target
VII) Any other relevant information

Box XXXI.

Target 8. Sixty percent of threatened plant species in accessible <i>Ex-situ</i> collections, preferably in the country of origin, and 10 percent of them included in recovery and restoration programmes.			
Has your country established national target corresponding to the above global target?			
a) Yes	X		
b) No			
Please specify			
Singapore Botanic Gardens maintains an extensive ex situ living collection including indigenous plant species, and contains 6 hectares of original rain forest.			
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?			
a) Yes	X		
b) No			
Please specify			
Targets are incorporated into the Plant Conservation Strategy.			
III) Current status (please indicate current status related to this target)			
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)			
V) Progress made towards target (please specify indicators used to monitor pro target)	gress towards the		

VI)	Constraints to achieving progress towards the target		
VII)	VII) Any other relevant information		

Box XXXII.

Target 9. Seventy percent of the genetic diversity of crops and other major socio- economically valuable plant species conserved, and associated indigenous and local knowledge maintained.			
I) Has your country established national target corresponding to the above glo	bal target?		
a) Yes			
b) No	N.A.		
Please specify			
This target is not applicable in Singapore			
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?			
a) Yes			
b) No			
Please specify			
III) Current status (please indicate current status related to this target)			
IV) Measures taken to achieve target (please indicate activities, legislative measteps taken with a view to achieve the target)	asures and other		
V) Progress made towards target (please specify indicators used to monitor potential target)	rogress towards		
VI) Constraints to achieving progress towards the target			
VII) Any other relevant information			

Box XXXIII.

Target 10. Management plans in place for at least 100 major alien species that threaten plants, plant communities and associated habitats and ecosystems.			
Has your country established national target corresponding to the above global target?			
a) Yes	Х		
b) No			
Please specify			
There are management plans to control specific alien invasive species such as House Crows and Red-eared Sliders.			
II) Has your country incorporated the above global or national target into rele programmes and strategies?	vant plans,		
a) Yes	X		
b) No			
Please specify			
The Agri-Veterinary Authority currently undertakes work on control of alien invaprogrammes to manage weed species such as Smilax and Clidemia hirta within			
III) Current status (please indicate current status related to this target)			
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)			
V) Progress made towards target (please specify indicators used to monitor progress towards the target)			
VI) Constraints to achieving progress towards the target			
The greatest challenges are limited resources in terms of manpower and funding	g.		
VII) Any other relevant information			
Box XXXIV.			
Target 11. No species of wild flora endangered by international trade.			
Has your country established national target corresponding to the above glo	bal target?		
a) Yes	N/A		
b) No			
Please specify			
Indigenous wild flora are not normally traded in Singapore.			

11)	Has your country incorporated the above global or national target into relevant plans, programmes and strategies?		
	a) Yes		
	b) No		
	Please specify		
III)	III) Current status (please indicate current status related to this target)		
IV)	V) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)		
V)	Progress made towards target (please specify indicators used to monitor progress towards the target)		
VI)	Constraints to achieving progress towards the target		
VII)	Any other relevant information		

Box XXXV

DOX .	CXXV.		
	get 12. Thirty percent of plant-based products derived from sourc ainably managed.	es that a	are
I)	Has your country established national target corresponding to the above global targ	jet?	
	a) Yes		
	b) No	N.A.	
	Please specify		
Sing	apore's forest resources are not traded commercially		
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?			
	a) Yes		
	b) No		
	Please specify		
III)	Current status (please indicate current status related to this target)		
IV)	Measures taken to achieve target (please indicate activities, legislative measures a steps taken with a view to achieve the target)	and other	

V)	Progress made towards target (please specify indicators used to monitor progress towards the target)
VI)	Constraints to achieving progress towards the target
VII)	Any other relevant information

Box XXXVI.		
Target 13. The decline of plant resources, and associated indigenous and local knowledge, innovations and practices that support sustainable livelihoods, local food security and health care, halted.		
I) Has your country established national target corresponding to the above global tar	get?	
a) Yes		
b) No	N.A.	
Please specify		
This target is not applicable in Singapore		
II) Has your country incorporated the above global or national target into relevant plants programmes and strategies?	ans,	
a) Yes		
b) No		
Please specify		
III) Current status (please indicate current status related to this target)		
IV) Measures taken to achieve target (please indicate activities, legislative measures steps taken with a view to achieve the target)	and other	
V) Progress made towards target (please specify indicators used to monitor progress target)	s towards the	
VI) Constraints to achieving progress towards the target		
VII) Any other relevant information		

Box XXXVII.

b) No

Please specify

Target 14. The importance of plant diversity and the need for its conservation incorporated into communication, educational and public-awareness programmes.		
Has your country established national target corresponding to the above global target?		
a) Yes		X
b) No		
Please specify		
Curricula with bio-diversity are implemented in Primary Science, Lower Secon Science, 'O' level Biology, 'O' level Geography and 'A' level Biology (ages 8 to 1		O level
II) Has your country incorporated the above global or national target into rele programmes and strategies?	evant plans,	
a) Yes		<
b) No		
Please specify		
A volunteer programme provides opportunities for members of the public to participate in a wide spectrum of activities related to biodiversity conservation. The Adopt-a-Park programme enables schools, grassroots organizations and the private sector to take ownership in nature outreach and habitat rehabilitation. Schools are brought into these activities through the Community Involvement Programme.		
III) Current status (please indicate current status related to this target)		
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)		
V) Progress made towards target (please specify indicators used to monitor p target)	progress towards	s the
VI) Constraints to achieving progress towards the target		
VII) Any other relevant information		
Box XXXVIII.		
Target 15. The number of trained people working with appropriate facilities in plant conservation increased, according to national needs, to achieve the targets of this Strategy.		
I) Has your country established national target corresponding to the above glo	obal target?	
a) Yes	X	

Training requirements have been examined during a programme of work by the ASEAN Regional Centre for Biodiversity Conservation (ARCBC, now the ASEAN Centre for Biodiversity).		
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?		
a) Yes		X
b) No		
Please specify		
Institutions relevant to plant conservation, particularly Singapore Botanic Gardens and the National University of Singapore, have been able to maintain and expand staff resources. Physical facilities such as tissue culture laboratories have been upgraded.		
III) Current status (please indicate current status related to this target)		
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)		
V) Progress made towards target (please specify indicators used to monitor progress towards the target)		
VI) Constraints to achieving prog	ress towards the target	
VII) Any other relevant information		

Box XXXIX.

	rget 16. Networks for plant conservation activities established or stronal, regional and international levels.	engthened at			
1)	Has your country established national target corresponding to the above global target?				
	a) Yes	Х			
	b) No				
	Please specify				
11)	II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?				
	a) Yes	X			
	b) No				
	Please specify				
At national level the Plant Conservation Strategy is the main network for plant conservation activities. At regional level Singapore collaborates through the ASEAN Centre for Biodiversity. The Singapore Botanic Gardens offers research fellowships through the region.					

III)	III) Current status (please indicate current status related to this target)				
IV)	Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)				
V)	Progress made towards target (please specify indicators used to monitor progress towards the target)				
VI)	Constraints to achieving progress towards the target				
VII)	Any other relevant information				

Box XL.

Please elaborate below on the implementation of this strategy specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Ecosystem Approach

The ecosystem approach is a strategy for the integrated management of land, water and living resources that promotes conservation and sustainable use in an equitable way. Application of the ecosystem approach will help to reach a balance of the three objectives of the Convention. At its second meeting, the Conference of the Parties has affirmed that the ecosystem approach is the primary framework for action under the Convention (decision II/8). The Conference of the Parties, at its fifth meeting, endorsed the description of the ecosystem approach and operational guidance and recommended the application of the principles and other guidance on the ecosystem approach. The seventh meeting of the Conference of the Parties agreed that the priority at this time should be facilitating implementation of the ecosystem approach. Please provide relevant information by responding to the following questions.

			<u> </u>		
3. 2 1 Is your country applying the ecosystem approach, taking into account the principles and guidance contained in the annex to decision V/6? (decision V/6)					
	a) No				
	b) No, bu	ıt applicatio	n is under con	sideration	
	c) Yes, so	ome aspects	s are being ap	plied	
	d) Yes, si	ubstantially	implemented		X

¹ Please note that all the questions marked with ? have been previously covered in the second national reports and some thematic reports.

4. ? Is your country developing practical expressions of the ecosystem approach for national policies and legislation and for implementation activities, with adaptation to local, national, and regional conditions? (decision V/6)				
a) No				
b) No, but development is under consideration				
c) Yes, practical expressions have been developed for applying some principles of the ecosystem approach	X			
d) Yes, practical expressions have been developed for applying most principles of the ecosystem approach				
5. Is your country strengthening capacities for the application of the ecosy providing technical and financial support for capacity-building to apply the ed (decision V/6)				
a) No				
b) Yes, within the country	X			
c) Yes, including providing support to other Parties				
	,			
6. ? Has your country promoted regional cooperation in applying the ecosyst national borders? (decision V/6)	em approach across			
a) No				
b) Yes, informal cooperation (please provide details below)	X			
c) Yes, formal cooperation (please provide details below)				
Further comments on regional cooperation in applying the ecosystem approborders.	oach across national			
Singapore is collaborating with other ASEAN countries in developing a standard list of ecosystems and habitats, for use in regional and national databases, under the ASEAN Centre for Biodiversity (ACB).				
7. Is your country facilitating the exchange of experiences, capacity building, and awareness raising to assist with the implementation of the ecosystem a VI/12 and VII/11)				
a) No				
b) No, some programmes are under development				
c) Yes, some programmes are being implemented (please provide details below)	X			
d) Yes, comprehensive programmes are being implemented (please provide details below)				
Further comments on facilitating the exchange of experiences, capacity building, and awareness raising to assist with the implementation of the ecosystem approa				
There is technical exchange (e.g., through fellowships of Singapore Botanic Gardens), and collaborative research (e.g., by National University of Singapore, National Institute of Education).				

Individual researchers have participated in regional programmes on specific ecosystems, such as limestone karst ecosystem in Vietnam and Malaysia.

8. Is your country creating an enabling environment for the implementation approach, including through development of appropriate institutional frameworks	
a) No	
b) No, but relevant policies and programmes are under development	
 Yes, some policies and programmes are in place (please provide details below) 	X
 d) Yes, comprehensive policies and programmes are in place (please provide details below) 	
Further comments on the creation of an enabling environment for the im ecosystem approach.	plementation of the
C. ARTICLES OF THE CONVENTION Article 5 - Cooperation	
9. ? Is your country actively cooperating with other Parties in respect of are jurisdiction for the conservation and sustainable use of biological diversity?	eas beyond national
a) No	
b) Yes, bilateral cooperation (please give details below)	
c) Yes, multilateral cooperation (please give details below)	Х
d) Yes, regional and/or subregional cooperation (please give details below)	
e) Yes, other forms of cooperation (please give details below)	
Further comments on cooperation with other Parties in respect of areas beyond for the conservation and sustainable use of biodiversity.	national jurisdiction
Scientists from Singapore institutions collaborate in taxonomic and ecolo counterparts from other nations. They provide expertise in conducting naworkshops and training. They provide taxonomic identification services.	
Singapore collaborates in regional agreements related to conservation and su COPSEA, PEMSEA.	stainable use, e.g.,
10. Is your country working with other Parties to develop regional, subregmechanisms and networks to support implementation of the Convention? (decision)	
a) No	
b) No, but consultations are under way	

c) Yes, some mechanisms and networks have been established (please provide details below)	X
d) Yes, existing mechanisms have been strengthened (please provide details below)	

Further comments on development of regional, subregional or bioregional mechanisms and networks to support implementation of the Convention.

Most work of this nature is conducted through regional mechanisms such as Meetings of the ASEAN Senior Officials on Environment, ASEAN Working Group on Nature Conservation and Biodiversity (AWGNCB), and the ASEAN Centre for Biodiversity

11. Is your country taking steps to harmonize national policies and programmes, with a view to optimizing policy coherence, synergies and efficiency in the implementation of various multilateral environment agreements (MEAs) and relevant regional initiatives at the national level? (decision VI/20)

a) No	
b) No, but steps are under consideration	
c) Yes, some steps are being taken (please specify below)	X
d) Yes, comprehensive steps are being taken (please specify below)	

Further comments on the harmonization of policies and programmes at the national level.

The ASEAN Framework Agreement on Access to, and Fair and Equitable Benefit-sharing from, Biological Resources is being harmonized with the Bonn Guidelines through activities under the ASEAN Centre for Biodiversity.

Box XLI.

Please elaborate below on the implementation of this strategy specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Article 6 - General measures for conservation and sustainable use

national framework for implementing the three objectives of the Convention Strategic Plan)	
a) No	
b) No, but relevant strategies, plans and programmes are under development	
c) Yes, some strategies, plans and programmes are in place (please provide details below)	X
d) Yes, comprehensive strategies, plans and programmes are in place (please provide details below)	
Further comments on the strategies, plans and programmes for implementing the Convention.	ne three objectives of
The URA Master Plan and the Singapore Green Plan 2012 are the key planning do	ocuments.
13. Plas your country set measurable targets within its national strategie (decisions II/7 and III/9)	s and action plans?
a) No	
b) No, measurable targets are still in early stages of development	
c) No, but measurable targets are in advanced stages of development	
d) Yes, relevant targets are in place (please provide details below)	X
e) Yes, reports on implementation of relevant targets available (please provide details below)	
Further comments on targets set within national biodiversity strategies and action	n plans.
The Singapore Green Plan 2012 has targets and action programmes that a quarterly timetable.	are monitored on a
14. Has your country identified priority actions in its national biodiversity strat (decision VI/27 A)	egy and action plan?
a) No	
b) No, but priority actions are being identified	
c) Yes, priority actions identified (please provide details below)	X
Further comments on priority actions identified in the national biodiversity strate	gy and action plan.
The Singapore Green Plan 2012 currently serves the role of a National Biodiv Action Plan	versity Strategy and

15. Has your country integrated the conservation and sustainable use of biodiversity as well as benefit sharing into relevant sectoral or cross-sectoral plans, programmes and policies? (decision VI/27 A)			
a) No			
b) Yes, in some sectors (please provide de	tails below)		
c) Yes, in major sectors (please provide de	etails below)	X	
d) Yes, in all sectors (please provide detail	s below)		
Further information on integration of the corbenefit-sharing into relevant sectoral or cross-sectoral			
The Singapore Green Plan 2012 currently serves the role of a National Biodiversity Strategy and Action Plan. The URA Master Plan guides land use in relation to biodiversity. Conservation and sustainable use are being integrated into education (programmes under the Ministry of Education), industrial planning and development (consultation between the Urban Redevelopment Authority, National Parks Board, National Environmental Agency, Economic Development Board and others), transport (consultation with Land Transport Authority, Marine and Ports Authority), use of genetic resources (research permit systems, consultation with private sector on biosciences) and others.			
16. Are migratory species and their habitats addressed by your country's national biodiversity strategy or action plan (NBSAP)? (decision VI/20)			
a) Yes		Х	
b) No			
I) If YES, please briefly describe the extent to	which it addresses		
(a) Conservation, sustainable use and/or restoration of migratory species			
(b) Conservation, sustainable use and/or restoration of migratory species' habitats, including protected areas	Restoration of habitats is undareas, relevant to migratory Standard Operating Procedure migratory marine turtle nesting	species. There is a on management of	
(c) Minimizing or eliminating barriers or obstacles to migration			
(d) Research and monitoring for migratory species	Bird ringing and monitoring ar protected areas. Volunteer org annual counts of migratory bird	anizations undertake	
(e) Transboundary movement			
II) If NO, please briefly indicate below			
(a) The extent to which your country addresses migratory species at national level			
(b) Cooperation with other Range States since 2000			

Biodiversity and Climate Change

17. Has your country implemented projects aimed at mitigating and adapting to climate change that incorporate biodiversity conservation and sustainable use? (decision VII/15)				
a) No				
b) No, but some projects or programs are under development				
c) Yes, some projects have been implemented (please provide details below)	X			
Further comments on the projects aimed at mitigating and adapting to incorporate biodiversity conservation and sustainable use.	climate change that			
Singapore signed the Kyoto Protocol in May 2006 and its first programme i National Climate Change Strategy. A study of impacts anticipated over the ne beginning, and others will follow on mitigating measures and adaptation measures.	xt 100 years is now			
18. Has your country facilitated coordination to ensure that climate characteristic adaptation projects are in line with commitments made under the United Convention on Climate Change and the United Nations Convention to Correction VII/15)	Nations Framework			
a) No				
b) No, but relevant mechanisms are under development				
c) Yes, relevant mechanisms are in place (please provide details below)				
Further comments on the coordination to ensure that climate change mitigate projects are in line with commitments made under the UNFCCC and the UNCCD.	ation and adaptation			
Inter-agency coordination on commitments under UNFCCC and UNCCD is facilitated via the Climate Change Working Group (CCWG), which features representatives from the various government agencies involved in climate change mitigation and adaptation, and helps to shape national policy on climate change.				
Box XLII.				
Please elaborate below on the implementation of this article and associated focusing on:	decisions specifically			
a) outcomes and impacts of actions taken;b) contribution to the achievement of the goals of the Strategic Plan of the Convention;				
c) contribution to progress towards the 2010 target;				
d) progress in implementing national biodiversity strategies and action plans;				
e) contribution to the achievement of the Millennium Development Goals;f) constraints encountered in implementation.				

Article 7 - Identification and monitoring

	On Article 7(a), does your country have an ongoing programme to id- cal diversity at the genetic, species, ecosystem level?	entify components of
a)	No	
b)	Yes, selected/partial programmes at the genetic, species and/or ecosystem level only (please specify and provide details below)	
c)	Yes, complete programmes at ecosystem level and selected/partial inventories at the genetic and/or species level (please specify and provide details below)	X
	r comments on ongoing programmes to identify components of biodivers and ecosystem level.	ersity at the genetic,
The Na	itional Parks Board conducts biodiversity area surveys covering all key ha	bitats and sites in the
concer	is continuing work by Singapore Botanic Gardens and Raffles Museum of ning taxonomy and species diversity; rveys are conducted by various branches of National Parks Board (Conser	•
Popula	tion dynamics of tree populations are studied and monitored in perma in the Nature Reserves;	
1 '	s-specific surveys are conducted (e.g., hornbills, jungelfowl, etc.); tem-specific surveys are conducted (e.g., inland waters and reservoirs)	
	On Article 7(b), which components of biological diversity identified in acc Convention, have ongoing, systematic monitoring programmes?	cordance with Annex I
a)	at ecosystem level (please provide percentage based on area covered)	Х
b)	at species level (please provide number of species per taxonomic group and percentage of total known number of species in each group)	x
c)	at genetic level (please indicate number and focus of monitoring programmes)	
Furthe	r comments on ongoing monitoring programmes at the genetic, species a	nd ecosystem level.
SPECIE Nation	STEMS: all main ecosystems are monitored. ES: in principle the status of all species is monitored on a ten-year cycle al Red Data Book. The intensity of monitoring varies greatly between being monitored annually or more than annually.	
	On Article 7(c), does your country have ongoing, systematic monitoring following key threats to biodiversity?	programmes on any
a)	No	
b)	Yes, invasive alien species (please provide details below)	
c)	Yes, climate change (please provide details below)	Х
d)	Yes, pollution/eutrophication (please provide details below)	Х
e)	Yes, land use change/land degradation (please provide details below)	X

	·	
f)	Yes, overexploitation or unsustainable use (please provide details below)	
Further	comments on monitoring programmes on key threats to biodiversity.	
POLLUT quality LAND	TE CHANGE: data collection is coordinated by the National Environment ACTION / EUTROPHICATION: water quality is monitored by the Public Utiliand water quality are monitored by NEA; USE CHANGE / LAND DEGRADATION: complete information is maintelepment Authority and Singapore Land Authority.	ties Board (PUB); air
from in	On Article 7 (d), does your country have a mechanism to maintain and oventories and monitoring programmes and coordinate information collect national level?	
a)	No	
b)	No, but some mechanisms or systems are being considered	
c)	Yes, some mechanisms or systems are being established	
d)	Yes, some mechanisms or systems are in place (please provide details below)	X
e)	Yes, a relatively complete system is in place (please provide details below)	
Further	information on the coordination of data and information collection and m	nanagement.
The fol	lowing are maintained by the National Parks Board: Geographical Information System database of maps; Plant database; Terrestrial fauna database; Marine species database; Photographic database; Biodiversity literature database	
23. ?	Does your country use indicators for national-level monitoring of bi	indiversity? (decision
111/10)		
a)	No	
b)	No, but identification of potential indicators is under way (please describe)	
c)	Yes, some indicators identified and in use (please describe and, if available, provide website address, where data are summarized and presented)	×
d)	Yes, a relatively complete set of indicators identified and in use (please describe and, if available, provide website address, where data are summarized and presented	
Further	comments on the indicators identified and in use.	
Where	appropriate, rarity is assessed using the IUCN Red List criteria, adapted t	o national level.

KOX.		

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Desisions on Tayonem

Decisions on Taxonomy	
24. Has your country developed a plan to implement the suggested actions a IV/1? (decision IV/1)	s annexed to decision
a) No	X
b) No, but a plan is under development	
c) Yes, a plan is in place (please provide details below)	
d) Yes, reports on implementation available (please provide details below)	
Further information on a plan to implement the suggested actions as annexed to	decision IV/1.

25. Is your country investing on a long-term basis in the development of appropriate infrastructure for your national taxo nomic collections? (decision IV/1)

a) No	
b) Yes (please provide details below)	X

Further information on investment on a long-term basis in the development of appropriate infrastructure for your national taxonomic collections.

New national herbarium facilities have been completed in 2006.

Staff training in various taxonomic disciplines is provided.

Discussions have taken place on possibilities for a national reference collection of micro-organisms and fungi.

26.? Does your country provide training programmes in taxonomy and work to increase its capacity of taxonomic research? (decision IV/1)

a) No	
b) Yes (please provide details below)	X
Further information on training programmes in taxonomy and efforts to increasonomic research.	ease the capacity of
Taxonomic training is available at National University of Singapore and Natuniversity. Singapore Botanic Gardens herbarium has a continuing programme and fellowships for interaction with regional taxonomists.	

27. Has your country taken steps to ensure that institutions responsible for inventories and taxonomic activities are financially and administratively state.	
a) No	
b) No, but steps are being considered	
c) Yes, for some institutions	
d) Yes, for all major institutions	X

28.* 2 Is your country collaborating with the existing regional, subregional a partnerships and institutions in carrying out the programme of work, includin taxonomic needs and identifying regional-level priorities? (decision VI/8)	~
a) No	
b) No, but collaborative programmes are under development	
 Yes, some collaborative programmes are being implemented (please provide details about collaborative programmes, including results of regional needs assessments) 	X
d) Yes, comprehensive collaborative programmes are being implemented (please provide details about collaborative programmes, including results of regional needs assessment and priority identification)	
Further information on the collaboration your country is carrying out to impleme work for the GTI, including regional needs assessment and priority identification	
SINGAPORE COLLABORATES IN ASIANET, BIONET AND IN WORK OF THE ASEAN CENTRE	FOR BIODIVERSITY

29. * Has your country made an assessment of taxonomic needs and capacities at the national level for the implementation of the Convention? (annex to decision VI/8)

² The questions marked with * in this section on Taxonomy are similar to some questions contained in the format for a report on the implementation of the programme of work on the Global Taxonomy Initiative. Those countries that have submitted such a report do not need to answer these questions unless they have updated information to provide.

a)	No	
b)	Yes, basic assessment made (please provide below a list of needs and capacities identified)	
c)	Yes, thorough assessment made (please provide below a list of needs and capacities identified)	X
Further	comments on national assessment of taxonomic needs and capacities.	
This wa	as included in the Second National Report.	
	Is your country working on regional or global capacity building to sultion of, taxonomic information in collaboration with other Parties? (annex	
a)	No	
b)	Yes, relevant programmes are under development	
c)	Yes, some activities are being undertaken for this purpose (please provide details below)	X
d)	Yes, many activities are being undertaken for this purpose (please provide details below)	
	comments on regional or global capacity-building to support access t mic information in collaboration with other Parties.	o, and generation of,
The AS	SEAN Centre for Biodiversity Conservation acts as a repository and neation	twork for taxonomic
<u>, </u>		
	Has your country developed taxonomic support for the implementation of the convention as called upon in decision VI/8? (annex to decision V	
a)	No	
b)	Yes, for forest biodiversity (please provide details below)	
c)	Yes, for marine and coastal biodiversity (please provide details below)	
d)	Yes, for dry and sub-humid lands (please provide details below)	
e)	Yes, for inland waters biodiversity (please provide details below)	
f)	Yes, for mountain biodiversity (please provide details below)	
g)	Yes, for protected areas (please provide details below)	
h)	Yes, for agricultural biodiversity (please provide details below)	
i)	Yes, for island biodiversity (please provide details below)	
	comments on the development of taxonomic support for the immes of work under the Convention.	plementation of the

Taxonomic work is not distinguished by ecosystem, but Singapore researchers are most active in taxonomy of marine fauna and forest flora.

32. * Has your country developed taxonomic support for the implementation issues under the Convention as called upon in decision VI/8?	n of the cross-cutting
a) No	
b) Yes, for access and benefit-sharing (please provide details below)	X
c) Yes, for Article 8(j) (please provide details below)	
d) Yes, for the ecosystem approach (please provide details below)	X
 e) Yes, for impact assessment, monitoring and indicators (please provide details below) 	X
f) Yes, for invasive alien species (please provide details below)	
g) Yes, for others (please provide details below)	

Further comments on the development of taxonomic support for the implementation of the cross-cutting issues under the Convention.

- b) Access and benefit-sharing: relevant taxonomic work is carried out by the private sector, especially on fungi and other micro-organisms;
- d) Ecosystem approach: current surveys of natural areas throughout Singapore are based on ecosystems and result in new species records, improved identification skills, faunistic and floristic analysis;
- e) impact assessment and monitoring: results from current surveys of natural areas throughout Singapore are applicable to impact assessment and monitoring.

Article 8 - *In-situ* conservation [excluding paragraphs (a) to (e), (h) and (j)]

33. On Article 8(i), has your country endeavored to provide the conditions needed for compatibility between present uses and the conservation of biological diversity and sustainable use of its components?

a) No	
b) No, but potential measures are being identified	
c) Yes, some measures undertaken (please provide details below)	X
d) Yes, comprehensive measures undertaken (please provide details below)	

Further comments on the measures taken to provide the conditions needed for compatibility between present uses and the conservation of biological diversity and sustainable use of its components.

Important Plant Areas (IPAs) snd areas important for biodiversity generally within Singapore have been identified, and the listing is shared between agencies for all development consultations. Feedback is provided to all development requests channelled from the Urban Redevelopment Authority (URA) TO National Parks Board. Biodiversity Impact Assessments are undertaken as an administrative requirement in particular cases. Conditions may be imposed on development to conserve biological diversity.

34. On Article 8(k), has your country developed or maintained the necessa other regulatory provisions for the protection of threatened species and population	
a) No	
b) No, but legislation is being developed	
c) Yes, legislation or other measures are in place (please provide details below)	X
Further information on the legislation and/or regulations for the protection of th populations.	reatened species and
The Wild Animals and Birds Act protects fauna throughout Singapore. Under the all flora and fauna is protected within the 4 Nature Reserves and 2 National public parks in Singapore. On top of this, all trees above a given girth size are Conservation Areas.	Parks, and within all
Marine life on the underwater substrate is protected by the Singapore free-swimming fauna is protected under the Fisheries Act. In inland water, plan not be removed from water bodies under the jurisdiction of the Public Utilities Bo	nts and animals may
,	
35. 2 On Article 8(I), does your country regulate or manage processes and call identified under Article 7 as having significant adverse effects on biological diverse.	
a) No	X
b) No, but relevant processes and categories of activities being identified	
c) Yes, to a limited extent (please provide details below)	
d) Yes, to a significant extent (please provide details below)	
Further comments on the regulation or management of the processes and call identified by Article 7 as having significant adverse effects on biodiversity.	tegories of activities
Box XLIV.	
Please elaborate below on the implementation of this article and associated focusing on:	decisions specifically
a) outcomes and impacts of actions taken;	
b) contribution to the achievement of the goals of the Strategic Plan of the	Convention;
c) contribution to progress towards the 2010 target;	
d) progress in implementing national biodiversity strategies and action plan	S;
e) contribution to the achievement of the Millennium Development Goals;f) constraints encountered in implementation	
, Janes and anatomic and an important and	

	Programme of Work on Protected Areas (Article 8 (a)	to (e))
	s your country established suitable time bound and measurable national-land indicators? (decision VII/28)	level protected areas
a)	No (please specify reasons)	
b)	No, but relevant work is under way	
c)	Yes, some targets and indicators established (please provide details below)	X
d)	Yes, comprehensive targets and indicators established (please provide details below)	
Further	comments on targets and indicators for protected areas.	
Targets	and indicators relate to visitor use, control of impacts and visitor satisfac	tion.
<u> </u>		
unfragr	s your country taken action to establish or expand protected areas in ar mented natural area or areas under high threat, including securing on VII/28)	
a)	No	
b)	No, but relevant programmes are under development	
c)	Yes, limited actions taken (please provide details below)	
d)	Yes, significant actions taken (please provide details below)	X
Further	comments on actions taken to establish or expand protected areas.	
Reserve	All tropical evergreen rain forest in Singapore is protected within Nature Reserves. Additional Nature Reserves were declared in 2002, protecting the largest mangrove area and coastal hill forest vegetation.	
	s your country taken any action to address the under representation o cosystems in the existing national or regional systems of protected areas	
a)	No	
b)	Not applicable	
c)	No, but relevant actions are being considered	
d)	Yes, limited actions taken (please provide details below)	
e)	Yes, significant actions taken (please provide details below)	X

ecosystems in the existing national or regional systems of protected areas.	arine and inland water
39. Has your country identified and implemented practical steps for improve protected areas into broader land and seascapes, including policy, planning (decision VII/28)	
a) No	
b) No, but some programmes are under development	
c) Yes, some steps identified and implemented (please provide details below)	
d) Yes, many steps identified and implemented (please provide details below)	X
Further comments on practical steps for improving integration of protected a and seascapes, including policy, planning and other measures.	reas into broader land
These aspects are covered by the URA Master Plan, Singapore Green Plan 1993. Plan 2012. Government agencies responsible for policy, planning and other m significant development proposals in relation to terrestrial, inland waters and m	easures consult on all
40. Is your country applying environmental impact assessment guidelines to evaluating effects on protected areas? (decision VII/28)	projects or plans for
	projects or plans for
evaluating effects on protected areas? (decision VII/28)	projects or plans for
evaluating effects on protected areas? (decision VII/28) a) No	
evaluating effects on protected areas? (decision VII/28) a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please	x X
 evaluating effects on protected areas? (decision VII/28) a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please provide details below) d) Yes, EIA guidelines are applied to all relevant projects or plans (please 	x x
 evaluating effects on protected areas? (decision VII/28) a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please provide details below) d) Yes, EIA guidelines are applied to all relevant projects or plans (please provide details below) Further comments on application of environmental impact assessment guidelines 	es to projects or plans lent of National Parks her from project size, rated as requirements
a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please provide details below) d) Yes, EIA guidelines are applied to all relevant projects or plans (please provide details below) Further comments on application of environmental impact assessment guideling for evaluating effects on protected areas. Biodiversity Impact Assessments are imposed as an administrative requirem Board when there is considered to be a significant need (likely impact eith project type or project location). Other environmental aspects may be incorpor of related agencies (e.g., National Environment Agency, Urban Redevelopment)	es to projects or plans lent of National Parks her from project size, rated as requirements
a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please provide details below) d) Yes, EIA guidelines are applied to all relevant projects or plans (please provide details below) Further comments on application of environmental impact assessment guideling for evaluating effects on protected areas. Biodiversity Impact Assessments are imposed as an administrative requirem Board when there is considered to be a significant need (likely impact eith project type or project location). Other environmental aspects may be incorpor of related agencies (e.g., National Environment Agency, Urban Redevelopment)	es to projects or plans ent of National Parks er from project size, rated as requirements nent Authority, Public
a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please provide details below) d) Yes, EIA guidelines are applied to all relevant projects or plans (please provide details below) Further comments on application of environmental impact assessment guideling for evaluating effects on protected areas. Biodiversity Impact Assessments are imposed as an administrative requirem Board when there is considered to be a significant need (likely impact eith project type or project location). Other environmental aspects may be incorpor of related agencies (e.g., National Environment Agency, Urban Redevelopm Utilities Board, Singapore Land Authority).	es to projects or plans ent of National Parks er from project size, rated as requirements nent Authority, Public
a) No b) No, but relevant EIA guidelines are under development c) Yes, EIA guidelines are applied to some projects or plans (please provide details below) d) Yes, EIA guidelines are applied to all relevant projects or plans (please provide details below) Further comments on application of environmental impact assessment guideling for evaluating effects on protected areas. Biodiversity Impact Assessments are imposed as an administrative requirem Board when there is considered to be a significant need (likely impact eith project type or project location). Other environmental aspects may be incorpor of related agencies (e.g., National Environment Agency, Urban Redevelopm Utilities Board, Singapore Land Authority). 41. Has your country identified legislative and institutional gaps and barriers establishment and management of protected areas? (decision VII/28)	es to projects or plans ent of National Parks er from project size, rated as requirements nent Authority, Public

d) Yes, many gaps and barriers identified (please provide details below)	
Further comments on identification of legislative and institutional gaps and b effective establishment and management of protected areas.	arriers that impede
42. Has your country undertaken national protected-area capacity needs established capacity building programmes? (decision VII/28)	assessments and
a) No	
b) No, but assessments are under way	
c) Yes, a basic assessment undertaken and some programmes established (please provide details below)	
d) Yes, a thorough assessment undertaken and comprehensive programmes established (please pro vide details below)	X
Further comments on protected-area capacity needs assessment and establi building programmes.	ishment of capacity
The current nature area surveys contribute to planning. Staff capacity (a assessments have been undertaken in 2005-2006.	current and needs)
43. Is your country implementing country-level sustainable financing plans the systems of protected areas? (decision VII/28)	nat support national
	nat support national
systems of protected areas? (decision VII/28)	nat support national
systems of protected areas? (decision VII/28) a) No	nat support national
a) No b) No, but relevant plan is under development	nat support national
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below)	X
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below) d) Yes, relevant plan is being implemented (please provide details below) Further comments on implementation of country-level sustainable financing	X
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below) d) Yes, relevant plan is being implemented (please provide details below) Further comments on implementation of country-level sustainable financing	X
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below) d) Yes, relevant plan is being implemented (please provide details below) Further comments on implementation of country-level sustainable financing national systems of protected areas.	X plans that support and indicators for
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below) d) Yes, relevant plan is being implemented (please provide details below) Further comments on implementation of country-level sustainable financing national systems of protected areas.	X plans that support and indicators for
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below) d) Yes, relevant plan is being implemented (please provide details below) Further comments on implementation of country-level sustainable financing national systems of protected areas. 44. Is your country implementing appropriate methods, standards, criteria evaluating the effectiveness of protected areas management and governance? (d	X plans that support and indicators for
a) No b) No, but relevant plan is under development c) Yes, relevant plan is in place (please provide details below) d) Yes, relevant plan is being implemented (please provide details below) Further comments on implementation of country-level sustainable financing national systems of protected areas. 44. Is your country implementing appropriate methods, standards, criteria evaluating the effectiveness of protected areas management and governance? (d a) No b) No, but relevant methods, standards, criteria and indicators are under	X plans that support and indicators for

developed and in use and some international methods, standards, criteria and indicators in use (please provide details below)	
Further comments on methods, standards, criteria and indicators for evaluating the effectiveness protected areas management and governance.	of
Box XLV.	
Please elaborate below on the implementation of this article and associated decisions specifica focusing on:	illy
a) outcomes and impacts of actions taken;	
b) contribution to the achievement of the goals of the Strategic Plan of the Convention;	
c) contribution to progress towards the 2010 target;	
d) progress in implementing national biodiversity strategies and action plans;e) contribution to the achievement of the Millennium Development Goals;	
f) constraints encountered in implementation.	
Article 8(h) - Alien species	
45. Has your country identified alien species introduced into its territory and established a syste for tracking the introduction of alien species?	em
a) No	
b) Yes, some alien species identified but a tracking system not yet established	
c) Yes, some alien species identified and tracking system in place	
d) Yes, alien species of major concern identified and tracking system in place	
46. Plas your country assessed the risks posed to ecosystems, habitats or species by the introduction of these alien species?	ne
a) No	
b) Yes, but only for some alien species of concern (please provide details below)	
c) Yes, for most alien species (please provide details below)	
Further information on the assessment of the risks posed to ecosystems, habitats or species by the	he

A study has been conducted on the Red-eared Slider Pseudemys scripta. Other surveys of alien species in inland waters are currently being considered.

introduction of these alien species.

61

47. Has your country undertaken measures to prevent the introduction of, those alien species which threaten ecosystems, habitats or species?	control or eradicate,
a) No	
b) No, but potential measures are under consideration	
c) Yes, some measures are in place (please provide details below)	Х
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures to prevent the introduction of, control or species that threaten ecosystems, habitats or species.	eradicate those alien
Consultation occurs between National Parks Board as CBD Focal Point, and Authority on all controversial cases of animal and plant import-export. Colikelihood of invasive potential.	
"THINK AGAIN before you release" is a programme targeted to discourage peopanimals or their unwanted pets into parks and nature reserves. This was achieve materials (posters and brochures) and media to help spread the message over 2 also worked with religious groups to gain their support in this programme as we day period.	ed through printed 2 weeks period. We
48. 2 In dealing with the issue of invasive species, has your country developed mechanisms for international cooperation, including the exchange of best practic	
a) No	
b) Yes, bilateral cooperation	
c) Yes, regional and/or subregional cooperation	X
d) Yes, multilateral cooperation	
49. Is your country using the ecosystem approach and precautionary a approaches as appropriate in its work on alien invasive species? (decision V/8)	and bio-geographical
a) No	
b) Yes (please provide details below)	X
Further comments on the use of the ecosystem approach and precautionary approaches in work on alien invasive species.	and bio-geographical
The ecosystem approach is used in the Plant Conservation Strategy; in identify Areas (IPAs); and assessing sites for conservation-related activities. These as exclusion, control and removal of invasive aliens as appropriate. Singapore also to trans-regional movements, e.g. organisms in ballast water.	activities include the

50. Has your country identified national needs and priorities for the implementation of the Guiding Principles? (decision VI/23)		
a) No		
b) No, but needs and priorities are being identified X		
c) Yes, national needs and priorities have been identified (please provide below a list of needs and priorities identified)		
Further comments on the identification of national needs and priorities for the implementation of the Guiding Principles.		
51. Has your country created mechanisms to coordinate national programmes for applying th Guiding Principles? (decision VI/23)		
a) No		
b) No, but mechanisms are under development X		
c) Yes, mechanisms are in place (please provide details below)		
Further comments on the mechanisms created to coordinate national programmes for implementing the Guiding Principles.		
The current Plant Importation (Control of Plants) Regulations takes into consideration the Guiding Principles in regulating invasive plants.		
52. Has your country reviewed relevant policies, legislation and institutions in the light of the Guidir Principles, and adjusted or developed policies, legislation and institutions? (decision VI/23)		
a) No		
b) No, but review under way		
c) Yes, review completed and adjustment proposed (please provide details below)		
d) Yes, adjustment and development ongoing		
e) Yes, some adjustments and development completed (please provide details below)		
Further information on the review, adjustment or development of policies, legislation and institution in light of the Guiding Principles.		
The current Plant Importation (Control of Plants) Regulations takes into consideration the Guiding Principles in regulating invasive plants.		

53. Is your country enhancing cooperation between various sectors in order to early detection, eradication and/or control of invasive alien species? (decision V			
a) No			
b) No, but potential coordination mechanisms are under consideration			
c) Yes, mechanisms are in place (please provide details below)	X		
Further comments on cooperation between various sectors.			
Singapore has consultative mechanisms in place between biodiversity consultative veterinary and shipping	servation, agriculture,		
	54. Is your country collaborating with trading partners and neighboring countries to address threats of invasive alien species to biodiversity in ecosystems that cross international boundaries? (decision VI/23)		
a) No	X		
b) Yes, relevant collaborative programmes are under development			
c) Yes, relevant programmes are in place (please specify below the measures taken for this purpose)			
Further comments on collaboration with trading partners and neighboring count	ries.		
55. Is your country developing capacity to use risk assessment to address threats of invasive alien species to biodiversity and incorporate such methodologies in environmental impact assessment (EIA) and strategic environmental assessment (SEA)? (decision VI/23)			
a) No			
b) No, but programmes for this purpose are under development			
c) Yes, some activities for developing capacity in this field are being undertaken (please provide details below)	Х		
 d) Yes, comprehensive activities are being undertaken (please provide details below) 			
Further information on capacity development to address threats of invasive alien species.			

56. Has your country developed financial measures and other policies and tools to promote activities to reduce the threats of invasive species? (decision VI/23)			
	a)	No	
	b)	No, but relevant measures and policies are under development	
	c)	Yes, some measures, policies and tools are in place (please provide details below)	
	d)	Yes, comprehensive measures and tools are in place (please provide details below)	
Further comments on the development of financial measures and other policies and tools for the promotion of activities to reduce the threats of invasive species.			

Box XLVI.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Article 8(j) - Traditional knowledge and related provisions

GURTS

57. Has your country created and developed capacity-building programmes to involve and enable smallholder farmers, indigenous and local communities, and other relevant stakeholders to effectively participate in decision-making processes related to genetic use restriction technologies?

a) No	N.A.
b) No, but some programmes are under development	
c) Yes, some programmes are in place (please provide details below)	
d) Yes, comprehensive programmes are in place (please provide details below)	

Further comments on capacity-building programmes to involve and enable smallholder farmers, indigenous and local communities and other relevant stakeholders to effectively participate in decision-making processes related to GURTs.

Singapore does not possess smallholder farmers, indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities

Status and Trends

58. Has your country supported indigenous and local communities in undertaking field studies to determine the status, trends and threats related to the knowledge, innovations and practices of indigenous and local communities? (decision VII/16)		
a) No		
b) No, but support to relevant studies is being considered	N.A.	
c) Yes (please provide information on the studies undertaken)		
Further information on the studies undertaken to determine the status, trends a the knowledge, innovations and practices of indigenous and local communities, identified.		
Singapore does not possess indigenous and local communities in the sense use cognizance of these issues when involved in transnational activities	d by CBD, but takes	
Akwé:Kon Guidelines		
59. Has your country initiated a legal and institutional review of matters related to cultural, environmental and social impact assessment, with a view to incorporating the Akwé: Kon Guidelines into national legislation, policies, and procedures?		
a) No	N.A.	
b) No, but review is under way		
c) Yes, a review undertaken (please provide details on the review)		
Further information on the review.		
Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities		
60 . Has your country used the Akwé: Kon Guidelines in any project proposed to take place on sacred sites and/or land and waters traditionally occupied by indigenous and local communities? (decision VII/16)		
a) No	N.A.	
b) No, but a review of the Akwé: Kon guidelines is under way		
c) Yes, to some extent (please provide details below)		
d) Yes, to a significant extent (please provide details below)		
Further information on the projects where the Akwé: Kon Guidelines are applied.		
Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities		

Capacity Building and Participation of Indigenous and Local Communities

61. Has your country undertaken any measures to enhance and strengthen the capacity of indigenous and local communities to be effectively involved in decision-making related to the use of their traditional knowledge, innovations and practices relevant to the conservation and sustainable use of biodiversity? (decision V/16)			
a) No	N.A.		
b) No, but some programmes being developed			
c) Yes, some measures taken (please provide details below)			
d) Yes, comprehensive measures taken (please provide details below)			
Further information on the measures to enhance and strengthen the capacity of i communities.	indigenous and local		
Singapore does not possess indigenous and local communities in the sense used cognizance of these issues when involved in transnational activities	d by CBD, but takes		
62. Has your country developed appropriate mechanisms, guidelines, legislation to foster and promote the effective participation of indigenous and local commaking, policy planning and development and implementation of the conservat use of biodiversity at international, regional, subregional, national and local levels	munities in decision ion and sustainable		
a) No	N.A.		
b) No, but relevant mechanisms, guidelines and legislation are under development			
c) Yes, some mechanisms, guidelines and legislation are in place (please provide details below)			
Further information on the mechanisms, guidelines and legislation developed.			
Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities			
63. Has your country developed mechanisms for promoting the full and effective participation of indigenous and local communities with specific provisions for the full, active and effective participation of women in all elements of the programme of work? (decision V/16, annex)			
a) No	N.A.		
b) No, but relevant mechanisms are being developed			
c) Yes, mechanisms are in place (please provide details below)			
Further comments on the mechanisms for promoting the full and effective participation of women of indigenous and local communities in all elements of the programme of work.			
Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities			

Support to implementation

64. Has your country established national, subregional and/or regional is community biodiversity advisory committees?	ndigenous and local
a) No	N.A.
b) No, but relevant work is under way	
c) Yes	

65. Has your country assisted indigenous and local community organizations to hold regional meetings to discuss the outcomes of the decisions of the Conference of the Parties and to prepare for meetings under the Convention?

a) No	N.A.
b) Yes (please provide details about the outcome of meetings)	

Further information on the outcome of regional meetings.

Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities

66. Has your country supported, financially and otherwise, indigenous and local communities in formulating their own community development and biodiversity conservation plans that will enable such communities to adopt a culturally appropriate strategic, integrated and phased approach to their development needs in line with community goals and objectives?

a)	No	N.A.
b)	Yes, to some extent (please provide details below)	
c)	Yes, to a significant extent (please provide details below)	

Further information on the support provided.

Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities

Box XLVII.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Singapore does not possess indigenous and local communities in the sense used by CBD, but takes cognizance of these issues when involved in transnational activities

Article 9 - Ex-situ conservation

67. On Article 9(a) and (b), has your country adopted measures for the components of biological diversity native to your country and originating outside	
a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures adopted for the <i>ex-situ</i> conservation biodiversity native to your country and originating outside your country.	on of components of
Singapore Botanic Gardens and the soon-to-be-opened complex of three new a "Gardens By The Bay" provide extensive facilities for ex situ conservation of plants from other countries. Back-up is provided by nursery facilities under the (Horticultural Park and Pasir Panjang Nursery), as well as tissue culture facilities.	native plants and rare National Parks Board
The Plant Conservation Strategy includes provision for salvage of otherwise doctissue culture, and ex situ conservation.	•
Singapore Zoo contributes conservation funding in the region, and has oppogrammes for endangered species.	conservation breeding
Jurong Bird Park contributes conservation funding in the region, and has programmes for endangered species.	conservation breeding
There is commercial captive breeding of Dragon Fish (Arowana, <i>Scleropage</i> Appendix 1 species.	s formosus), a CITES
68. On Article 9(c), has your country adopted measures for the reintro species into their natural habitats under appropriate conditions?	duction of threatened
a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further comments on the measures for the reintroduction of threatened spe habitats under appropriate conditions.	cies into their natural
Under appropriate conditions, stocks of plant species propagated in ex si replanted in suitable habitats. This is conducted on a case-by-case basis.	tu situations may be
69. On Article 9(d), has your country taken measures to regulate and material biological resources from natural habitats for <i>ex-situ</i> conservation purposes ecosystems and <i>in-situ</i> populations of species?	- C
a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures to regulate and manage the collection	of biological resources

from natural habitats for *ex-situ* conservation purposes so as not to threaten ecosystems and *in-situ* populations of species.

All biological resources in National Parks, Nature Reserves and public parks are fully protected. Removal for research purposes is managed by a permit system. National Parks Board assesses wild population size before any decision to salvage specimens or beging ex situ propagation.

Box XLVIII.

Please	elaborate	below	on	the	implementation	of	this	article	and	associated	decisions	specifically
focusin	g on:											

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;

sustainable use of biological resources into national decision-making?

- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

minimize adverse impacts on biological diversity.

Removal for research purposes is managed by a permit system.

Article 10 - Sustainable use of components of biological diversity

70. ? On Article 10(a), has your country integrated consideration of the conservation and

a) No					
b) No, but steps are being taken					
c) Yes, in some relevant sectors (please provide details below)					
d) Yes, in most relevant sectors (please provide details below)	X				
Further information on integrating consideration of conservation and sustainable use of biological resources into national decision-making.					
All biological resources in National Parks, Nature Reserves and public parks are fully protected. Removal for research purposes is managed by a permit system.					
71. On Article 10(b), has your country adopted measures relating to the use of biological resources that avoid or minimize adverse impacts on biological diversity?					
a) No					
b) No, but potential measures are under review					
c) Yes, some measures are in place (please provide details below)					
d) Yes, comprehensive measures are in place (please provide below)	details				
Further information on the measures adopted relating to the use of biological resources that avoid or					

All biological resources in National Parks, Nature Reserves and public parks are fully protected.

customary use of biological resources that is compatible with conservation requirements?						
a) No	N.A.					
b) No, but potential measures are under review						
c) Yes, some measures are in place (please provide details below)						
d) Yes, comprehensive measures are in place (please provide details below)						
Further information on the measures that protect and encourage customa resources that is compatible with conservation or sustainable use requirements.	ary use of biological					
Customary use is generally not applicable in Singapore.						
_						
73. 2 On Article 10(d), has your country put in place measures that help loca and implement remedial action in degraded areas where biological diversity has						
a) No						
b) No, but potential measures are under review						
c) Yes, some measures are in place (please provide details below)	X					
d) Yes, comprehensive measures are in place (please provide details below)						
Further information on the measures that help local populations develop and action in degraded areas where biodiversity has been reduced.	implement remedial					
Community-related and education-related activities include the following:						
COMMUNITY IN BLOOM;						
YOUNG ARBORISTS'S CLUBS; ADOPT-A-PARK SCHEME						
ADOPT-A-RIVER SCHEME						
74. Plas your country identified indicators and incentive measures for seconservation and sustainable use of biodiversity? (decision V/24)	ctors relevant to the					
a) No						
 b) No, but assessment of potential indicators and incentive measures is under way 	X					
c) Yes, indicators and incentive measures identified (please describe below)						
Further comments on the identification of indicators and incentive measures for the conservation and sustainable use of biodiversity.	or sectors relevant to					

75. Plas your country implemented sustainable use practices, programme sustainable use of biological diversity, especially in pursuit of poverty alleviation	
a) No	
b) No, but potential practices, programmes and policies are under review	
c) Yes, some policies and programmes are in place (please provide details below)	
d) Yes, comprehensive policies and programmes are in place (please provide details below)	
Further information on sustainable use programmes and policies.	
N/A	
76.? Has your country developed or explored mechanisms to involve initiatives on the sustainable use of biodiversity? (decision V/24)	the private sector in
a) No	
b) No, but mechanisms are under development	
c) Yes, mechanisms are in place (please describe below)	Х
the sustainable use of biodiversity. The Adopt-A-Park Scheme and the Adopt-A-River Scheme are open to private s	ector participation.
77. Has your country initiated a process to apply the Addis Ababa Principles a Sustainable Use of Biodiversity? (decision VII/12)	and Guidelines for the
a) No	
b) No, but the principles and guidelines are under review	Х
c) Yes, a process is being planned	
d) Yes, a process has been initiated (please provide detailed information)	
Further information on the process to apply the Addis Ababa Principles an Sustainable Use of Biodiversity.	d Guidelines for the
78. Has your country taken any initiative or action to develop and transfer ted financial resources to assist in the application of the Addis Ababa Principles a	
Sustainable Use of Biodiversity? (decision VII/12)	
a) No	X
b) No, but relevant programmes are under development	
c) Yes, some technologies developed and transferred and limited	

financial resources provided (please provide details below)	
d) Yes, many technologies developed and transferred and significant financial resources provided (please provide details below)	
Further comments on the development and transfer of technologies and presources to assist in the application of the Addis Ababa Principles and Guideline Use of Biodiversity.	
Biodiversity and Tourism	
79. Plas your country established mechanisms to assess, monitor and metourism on biodiversity?	easure the impact of
a) No	
b) No, but mechanisms are under development	X
c) Yes, mechanisms are in place (please specify below)	
d) Yes, existing mechanisms are under review	
Further comments on the establishment of mechanisms to assess, monitor and of tourism on biodiversity.	measure the impact
Draft Guidelines are currently under review by relevant government agencies.	
<u>J</u>	
80. Plas your country provided educational and training programmes to the as to increase their awareness of the impacts of tourism on biodiversity and u capacity at the local level to minimize the impacts? (decision V/25)	
a) No	
b) No, but programmes are under development	
c) Yes, programmes are in place (please describe below)	X
Further comments on educational and training programmes provided to tourism	operators.
Training programmes for tour operators and guides are available through colleg Polytechnic.	ges such as Ngee Ann
81. Does your country provide indigenous and local communities with capacity-resources to support their participation in tourism policy-making, developmed development and management? (decision VII/14)	
a) No	N.A.
b) No, but relevant programmes are being considered	
c) Yes, some programmes are in place (please provide details below)	
d) Yes, comprehensive programmes are in place (please provide details below)	
Further comments in the capacity-building and financial resources provided to communities to support their participation in tourism policy-making, development	

development and management.	
N/A	
82. Has your country integrated the Guidelines on Biodiversity and Tourism development or review of national strategies and plans for tourism development strategies and actions plans, and other related sectoral strategies? (decision VI	, national biodiversity
a) No, but the guidelines are under review	X
b) No, but a plan is under consideration to integrate some principles of the guidelines into relevant strategies	
c) Yes, a few principles of the guidelines are integrated into some sectoral plans and NBSAPs (please specify which principle and sector)	
d) Yes, many principles of the guidelines are integrated into some sectoral plans and NBSAPs (please specify which principle and sector)	
Further information on the sectors where the principles of the Guidelines on Bio Development are integrated.	diversity and Tourism
Draft Guidelines are currently under review by relevant government agencies.	
Box XLIX.	
Please elaborate below on the implementation of this article and associated	decisions specifically
focusing on:	
a) outcomes and impacts of actions taken;b) contribution to the achievement of the goals of the Strategic Plan of the	· Convention·
c) contribution to progress towards the 2010 target;	o don vention,
d) progress in implementing national biodiversity strategies and action pla	ns;
e) contribution to the achievement of the Millennium Development Goals;	
f) constraints encountered in implementation.	
Article 11 - Incentive measures	
83. Has your country established programmes to identify and adopt econ sound measures that act as incentives for the conservation and sustainable biological diversity?	
a) No	
b) No, but relevant programmes are under development	X
c) Yes, some programmes are in place (please provide details below)	

Further comments on the programmes to identify and adopt incentives for the conservation and sustainable use of biodiversity.

d) Yes, comprehensive programmes are in place (please provide details

below)

84. Plas your country developed the mechanisms or approaches to ensure a of both market and non-market values of biological diversity into relevan programmes and other relevant areas? (decisions III/18 and IV/10)	
a) No	
b) No, but relevant mechanisms are under development	X
c) Yes, mechanisms are in place (please provide details below)	
d) Yes, review of impact of mechanisms available (please provide details below)	
Further comments on the mechanism or approaches to incorporate market and biodiversity into relevant plans, policies and programmes.	non-market values of
85. Plas your country developed training and capacity-building prograincentive measures and promote private-sector initiatives? (decision III/18)	immes to implement
a) No	
b) No, but relevant programmes are under development	X
c) Yes, some programmes are in place	
d) Yes, many programmes are in place	
,	,
86. Does your country take into consideration the proposals for the design at incentive measures as contained in Annex I to decision VI/15 when designing incentive measures for the conservation and sustainable use of biodiversity? (design of the conservation) and sustainable use of biodiversity?	ng and implementing
a) No	X
b) Yes (please provide details below)	
Further information on the proposals considered when designing and implen measures for the conservation and sustainable use of biodiversity.	nenting the incentive
87. Has your country made any progress in removing or mitigating polic generate perverse incentives for the conservation and sustainable use of (decision VII/18)	
a) No	
b) No, but identification of such policies and practices is under way	Х
 Yes, relevant policies and practices identified but not entirely removed or mitigated (please provide details below) 	
d) Yes, relevant policies and practices identified and removed or mitigated (please provide details below)	

Further information on perverse incentives identified and/or removed or mitigated.

Box L.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Article 12 - Research and training

88. ?	On	Artic	cle 12(a), r	nas	your	coun	try e	established	pro	grammes	for	scier	ntific	and	techni	cal
educati	on a	and	training	in	mea	asures	for	the	identificati	on,	conservat	tion	and	susta	inable	use	of
biologic	cal d	ivers	ity and i	ts co	omp	onent	s?										

a) No	
b) No, but programmes are under development	
c) Yes, programmes are in place (please provide details below)	X

Further information on the programmes for scientific and technical education and training in the measures for identification, conservation and sustainable use of biodiversity.

Many training opportunities are in place, at local universities and institutions. There is a Plant Identification Course available for new National Parks Board staff.

89. On Article 12(b), does your country promote and encourage research which contributes to the conservation and sustainable use of biological diversity?

a) No	
b) Yes (please provide details below)	X

Further information on the research which contributes to the conservation and sustainable use of biodiversity.

Research programmes exist in aquaculture, pest management, and other applied topics. A Forest Restoration Workshop was carried out jointly with the Centre for Tropical Forest Science in 2006. The performance of planted saplings is assessed so as to identify a selection of native species suitable for reforestation sites.

	90. On Article 12(c), does your country promote and cooperate in the use of scientific advances biological diversity research in developing methods for conservation and sustainable use of biologic resources?	
--	--	--

a) No
b) Yes (please provide details below) X

Further information on the use of scientific advances in biodiversity research in developing methods for conservation and sustainable use of biodiversity.

Research results on various topics in the Nature Reserves are incorporated into conservation management, for example results of the CTFS research on forest tree population biology; research on behaviour of, and disease risks to, primates; avoidance of road-kills; butterfly food plants.

Box LI.

Please elaborate below on the implementation of this article specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Article 13 - Public education and awareness

91. Is your country implementing a communication, education and public awareness strategy and promoting public participation in support of the Convention? (Goal 4.1 of the Strategic Plan)					
a) No					
b) No, but a CEPA strategy is under development					
c) Yes, a CEPA strategy developed and public participation promoted to a limited extent (please provide details below)					
 d) Yes, a CEPA strategy developed and public participation promoted to a significant extent (please provide details below) 	X				

Further comments on the implementation of a CEPA strategy and the promotion of public participation in support of the Convention.

Curricula with bio-diversity are implemented in Primary Science, Lower Secondary Science, 'O level Science, 'O' level Biology, 'O' level Geography and 'A' level Biology (ages 8 to 18).

A volunteer programme provides opportunities for members of the public to participate in a wide spectrum of activities related to biodiversity conservation. The Adopt-a-Park programme enables schools, grassroots organizations and the private sector to take ownership in nature outreach and habitat rehabilitation. Schools are brought into these activities through the Community Involvement Programme.

92. Is your country undertaking any activities to facilitate the implementation of the programme of work on Communication, Education and Public Awareness as contained in the annex to decision VI/19? (decision VI/19)						
a) No						
b) No, but some programmes are under development						
c) Yes, some activities are being undertaken (please provide details below)						
d) Yes, many activities are being undertaken (please provide details below)	Х					
Further comments on the activities to facilitate the implementation of the pro- CEPA.	gramme of work on					
Many activities are being undertaken, including the following:						
Invasive Weed Management Programme - we are working with schools and c participation in this programme;	organisation on their					
Reforestation Programme - this involves schools and organisations e.g. Sche land etc.	ring Plough, Timber-					
Training of volunteers as our guides and watch groups to reach out to more pesting plants and animals in the reserve and what they can do to help conser						
Conduct Nature Programmes for schools to learn more about our forest and water catchment e.g. get wild camp, plant hunt, nature learning camp.						
Conduct guided walks for individuals as well as organised groups.						
"THINK AGAIN before you release" - A programme targeted to discourage people from releasing animals or their unwanted pets into parks and nature reserves. This was achieved through printed materials (posters and brochures) and media to help spread the message over 2 weeks period. We also worked with religious groups to gain their support in this programme as well during the Vesak day period.						
Interpretative signages along trails in parks and nature reserves serve as sel	If guided walks.					
Volunteers, park adopters and schools are involved in nature guiding and reformals engage in surveys of plants and animals, while schools also contribute to						
93 . Is your country strongly and effectively promoting biodiversity-related issue the various media and public relations and communications networks at natio VI/19)						
a) No						
b) No, but some programmes are under development						
c) Yes, to a limited extent (please provide details below)						
d) Yes, to a significant extent (please provide details below)	X					
Further comments on the promotion of biodiversity-related issues through the media and public relations and communications networks at national level.	e press, the various					

The Ministry of Education has been working over the last few years with partners like Sembawang Corporation, for example, to promote "Greenwave", an environmentally related competition for all schools and tertiary institutions. Such national level activities promote awareness of biodiversity-related issues from a very young age and are reinforced all the way to the tertiary level.

94. Does your country promote the communication, education and public awareness of biodiversity at the local level? (decision VI/19)							
a) No							
b) Yes (please provide details below)	X						
Further information on the efforts to promote the communication, education and biodiversity at the local level.	d public awareness of						
School students have a wide range of opportunity to receive education and participate in biodiversity programmes at the local level. Teachers lead students on field trips to nature conservation sites like Bukit Timah and Sungei Buloh to raise awareness of the importance of conservation of such sites. Schools are also involved in re-forestation programmes that are led by biodiversity experts from tertiary institutions such as the National Institute of Education. The Raffles Museum of Biodiversity Research, which is located at the National University of Singapore, initiates collaborations with school students on biodiversity programmes.							
95. Is your country supporting national, regional and international activitie Global Initiative on Education and Public Awareness? (decision VI/19)	s prioritized by the						
a) No							
b) No, but some programmes are under development	Х						
c) Yes, some activities supported (please provide details below)							
d) Yes, many activities supported (please provide details below)							
Further comments on the support of national, regional and international activities prioritized by the Global Initiative on Education and Public Awareness.							
96. Has your country developed adequate capacity to deliver initiatives education and public awareness?	on communication,						
a) No							
b) No, but some programmes are under development							
c) Yes, some programmes are being implemented (please provide details below)	X						
d) Yes, comprehensive programmes are being implemented (please provide details below)							
Further comments on the development of adequate capacity to deliver initiatives on communication, education and public awareness.							
education and public awareness.							

In schools, our teachers have the capacity to deliver the biodiversity components of the curricula in Primary Science, Lower Secondary Science, 'O' level Science, 'O' level Biology, 'O' level Geography

and 'A' level Biology. The National University of Singapore and the National Institute of Education have sound biodiversity programmes. Likewise, efforts from National Parks Board and Singapore Environment Council are relevant.					
<u> </u>					
97. Does your country promote cooperation and exchange programmes for b and awareness at the national, regional and international levels? (decisions IV /1					
a) No					
b) Yes (please provide details below)	X				
Further comments on the promotion of cooperation and exchange programmed education and awareness, at the national, regional and international levels.	mes for biodiversity				
Both the public and private sectors collaborate to raise awareness of biodiversity For example, the Raffles Museum of Biodiversity Research (NUS Dept. Biolo Singapore Institute of Biology (SIBiol) and Nature's Niche Pte Ltd organised Singapore Symposium 2003 where participants came together to share and importance of biodiversity in the local context. Teachers and students also parti Eco-Club Asia-Pacific Conferences in Japan.	gical Sciences), the the <i>Biodiversity of</i> discuss about the				
98. Is your country undertaking some CEPA activities for implementation of and thematic programmes of work adopted under the Convention?	cross-cutting issues				
a) No (please specify reasons below)					
b) Yes, some activities undertaken for some issues and thematic areas (please provide details below)	х				
c) Yes, many activities undertaken for most issues and thematic areas (please provide details below)					
d) Yes, comprehensive activities undertaken for all issues and thematic areas (please provide details below)					
Further comments on the CEPA activities for implementation of cross-cutting programmes of work adopted under the Convention.	issues and thematic				
Schools have access to environmental resource materials which raise awareness	in biodiversity.				
99. Poes your country support initiatives by major groups, key actors an integrate biological diversity conservation matters in their practice and educate well as into their relevant sectoral and cross-sectoral plans, programmes and IV/10 and Goal 4.4 of the Strategic Plan)	tion programmes as				
a) No					

Further comments on the initiatives by major groups, key actors and stakeholders that integrate biodiversity conservation in their practice and education programmes as well as their relevant sectoral and cross-sectoral plans, programmes and policies.

b) Yes (please provide details below)

Ministry of Education works with a number of partners from the public and private sectors in promoting biodiversity education programmes e.g. Sembawang Shipyard, Singapore Environment Council, National Institute of Education, National University of Singapore, Singapore Science Centre, Hongkong and Shanghai Bank, etc.

100. Is your country communicating the various elements of the 2010 biodiversity target and establishing appropriate linkages to the Decade on Education for Sustainable Development in the implementation of your national CEPA programmes and activities? (decision VII/24)

a) No	
b) No, but some programmes are under development	
 Yes, some programmes developed and activities undertaken for this purpose (please provide details below) 	X
d) Yes, comprehensive programmes developed and many activitie undertaken for this purpose (please provide details below)	S

Further comments on the communication of the various elements of the 2010 biodiversity target and the establishment of linkages to the Decade on Education for Sustainable Development.

Various elements of the 2010 biodiversity target are communicated through various platforms such as the Biodiversity of Singapore Symposium, the Sembawang Corporation's Greenwave competition and the Singapore Environment Council's Seashore project with Hongkong and Shanghai Bank.

Box LII.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

All students in our schools have exposure to and awareness of biodiversity education through the compulsory science curriculum components on biodiversity.

Article 14 - Impact assessment and minimizing adverse impacts

101. On Article 14.1(a), has your country developed legislation requiring impact assessment of proposed projects likely to have adverse effects on biological statements.	
a) No	
b) No, legislation is still in early stages of development	X
c) No, but legislation is in advanced stages of development	
d) Yes, legislation is in place (please provide details below)	
e) Yes, review of implementation available (please provide details below)	
Further information on the legislation requiring EIA of proposed projects like effects on biodiversity.	ely to have adverse
EIA or Biodiversity Impact Assessment (BIA) is an administrative requirement fo	r certain projects.
102. 2 On Article 14.1(b), has your country developed mechanisms to consideration is given to the environmental consequences of national programmare likely to have significant adverse impacts on biological diversity?	
a) No	
b) No, mechanisms are still in early stages of development	
c) No, but mechanisms are in advanced stages of development	
d) Yes, mechanisms are in place (please provide details below)	X
Further comments on the mechanisms developed to ensure that due consider environmental consequences of national programmes and policies that are likely adverse impacts on biodiversity.	
National programmes and policies conform to the URA Master Plan and Singapo Mechanisms are in place to ensure inter-agency consultation on all major nation policies, or modifications.	
103. On Article 14.1(c), is your country implementing bilateral, regional agreements on activities likely to significantly affect biological diversity our jurisdiction?	
a) No	
b) No, but assessment of options is in progress	
c) Yes, some completed, others in progress (please provide details below)	X
d) Yes (please provide details below)	
Further information on the bilateral, regional and/or multilateral agreements of significantly affect biodiversity outside your country's jurisdiction.	on activities likely to
Most regional activities are coordinated through the ASEAN Centre for Biodive Singapore is ready to sign the ASEAN Framework Agreement on Access to, an Sharing of Benefits From, Biological and Genetic Resources.	

104. 2 On Article 14.1(d), has your country put mechanisms in place to place or damage originating in your territory to biological diversity in the territor in areas beyond the limits of national jurisdiction?	
a) No	
b) No, mechanisms are still in early stages of development	
c) No, but mechanisms are in advanced stages of developme nt	
d) Yes, mechanisms are in place based on current scientific knowledge	X
105. 2 On Article 14.1(e), has your country established national mechanic response to activities or events which present a grave and imminent danger to be	
a) No	
b) No, mechanisms are still in early stages of development	
c) No, but mechanisms are in advanced stages of development	
d) Yes, mechanisms are in place (please provide details below)	X
Further information on national mechanisms for emergency response to the active present a grave and imminent danger to biodiversity.	ities or events which
Emergency services are trained and equipped to deal with response to event chemical hazards, and bush fires that present dangers to biological diversity.	s such as oil spills,
106. Is your country applying the Guidelines for Incorporating Biodiversity Environment-Impact-Assessment Legislation or Processes and in Strategic Imcontained in the annex to decision VI/7 in the context of the implementation of p 14? (decision VI/7)	pact Assessment as
a) No	
b) No, but application of the guidelines under consideration	X
c) Yes, some aspects being applied (please specify below)	
d) Yes, major aspects being applied (please specify below)	
Further comments on application of the guidelines.	
107. On Article 14 (2), has your country put in place national legislative, admeasures regarding liability and redress for damage to biological diversity? (deci	
a) No	
b) Yes (please specify the measures)	X
Further comments on national legislative, administrative or policy measures redress for damage to biological diversity.	garding liability and
Singapore has developed legal precedents for assessing quantum of damages, applied this in the courts.	and has successfully
The Parks and Trees Act 2005 has relevant clauses on liability and redress.	

108. Has your country put in place any measures to prevent damage to biological diversity?						
a) No						
b) No, but some measures are being developed						
c) Yes, some measures are in place (please provide details below)						
d) Yes, comprehensive measures are in place (please provide details below)	X					

Further information on the measures in place to prevent damage to biological diversity.

Legislation is in place, e.g., the Wild Animals and Birds Act, National Parks Board Act, Parks and Trees Act, Fisheries Act, etc.

There is a protected area network of national parks and nature reserves, and Tree Conservation Areas, to prevent damage to biological diversity.

Nature Areas have been designated in supplementary land use planning documents, for administrative protection of biological diversity.

There are additional administrative procedures to ensure consultation on development proposals that have implications for conservation of terrestrial, inland freshwater and marine biodiversity.

Contractual obligations may be included within contracts for developers.

109. Is your country cooperating with other Parties to strengthen capacities at	the national level for
the prevention of damage to biodiversity, establishment and implementation or regimes, policy and administrative measures on liability and redress? (decision V	.,
Toginios, pondy and daminion arive modelares on hability and real essi. (decision v	., ,

a) No	
b) No, but cooperation is under consideration	
c) No, but cooperative programmes are under development	
d) Yes, some cooperative activities being undertaken (please provide details below)	
e) Yes, comprehensive cooperative activities being undertaken (please provide details below)	

Further comments on cooperation with other Parties to strengthen capacities for the prevention of damage to biodiversity.

Box LIII.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Article 15 - Access to genetic resources

110. Plas your country endeavored to facilitate access to genetic resources sound uses by other Parties, on the basis of prior informed consent and mutual accordance with paragraphs 2, 4 and 5 of Article 15?	
a) No	
b) Yes (please provide details below)	X
Further information on the efforts taken by your country to facilitate access to genvironmentally sound uses by other Parties, on the basis of prior informed coagreed terms.	
A system of permit application and approval is in place, for both commercial use. Singapore is ready to sign the ASEAN Framework Agreement on Acces Equitable Sharing of Benefits from, Biological and Genetic Resources.	
_	
111. Parties, in accordance with Article 15(6)?	
a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures to ensure that any scientific research resources provided by other Contracting Parties is developed and carried participation of such Contracting Parties.	
Yes, this would be included in the ASEAN Framework Agreement and on a caresearch approvals.	ase-by-case basis in
112. Plas your country taken measures to ensure the fair and equitable sharesearch and development and of the benefits arising from the commercial and resources with any Contracting Party providing such resources, in accordance with	other use of genetic
a) No	
b) No, but potential measures are under review	X
c) Yes, some measures are in place (please provide details below)	
d) Yes, comprehensive legislation is in place (please provide details below)	
e) Yes, comprehensive statutory policy or subsidiary legislation are in place (please provide details below)	
 f) Yes, comprehensive policy and administrative measures are in place (please provide details below) 	
Further information on the type of measures taken.	

There are procedures in place for consideration of research applications related to commercial use. There are procedures for deposit of research materials in national reference collections, and for publication and dissemination of results.

113. In developing national measures to address access to genetic ressharing, has your country taken into account the multilateral system of access set out in the International Treaty on Plant Genetic Resources for Food and Agric	and benefit-sharing
a) No	
b) Yes (please provide details below)	
Further information on national measures taken which consider the multilateral senefit-sharing as set out in the International Treaty on Plant Genetic Resolutions.	
114. Is your country using the Bonn Guidelines when developing and administrative or policy measures on access and benefit-sharing and/or when and other arrangements under mutually agreed terms for access and benef VII/19A)	negotiating contracts
a) No	
b) No, but steps being taken to do so (please provide details below)	
c) Yes (please provide details below)	X
Please provide details and specify successes and constraints in the impleme Guidelines.	ntation of the Bonn
Administrative and policy measures take the Bonn Guidelines into account.	
115. Has your country adopted national policies or measures, including legislathe role of intellectual property rights in access and benefit-sharing arrangemed disclosure of origin/source/legal provenance of genetic resources in application property rights where the subject matter of the application concerns, or matresources in its development)?	ents (i.e. the issue of tions for intellectual
a) No	
 b) No, but potential policies or measures have been identified (please specify below) 	X
 No, but relevant policies or measures are under development (please specify below) 	
d) Yes, some policies or measures are in place (please specify below)	
e) Yes, comprehensive policies or measures adopted (please specify below)	
Further information on policies or measures that address the role of IPR in access	s and benefit-sharing

Intellectual property rights are incorporated into the draft ASEAN Framework Agreement on Access to, and Fair and Equitable Sharing of Benefits fro, Biological and Genetic Resources.

116.	Has	your	country	been	involved	in	capacity-building	activities	related	to	access	and	benefit-
sharir	ng?												

a) Yes (please provide details below)	Х
h) No	

Please provide further information on capacity-building activities (your involvement as donor or recipient, key actors involved, target audience, time period, goals and objectives of the capacity-building activities, main capacity-building areas covered, nature of activities). Please also specify whether these activities took into account the Action Plan on capacity-building for access and benefit-sharing adopted at COP VII and available in annex to decision VII/19F.

Various national and regional meetings have taken place, to discuss capacity requirements in processing of research approvals, monitoring, intellectual property rights and patenting, and other aspects of access and benefit-sharing. National meetings are coordinated by National Parks Board, and regional meetings are under the auspices of ASEAN Centre for Biodiversity, ASEAN Working Group on Nature Conservation and Biodiversity (AWGNCB) or other ASEAN forums.

Box LIV.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Article 16 - Access to and transfer of technology

117.	? On	Article	16(1),	has	your	country	taken	measur	es to	provide	or	facilitate	access	for	and
transfe	er to o	ther Pa	rties of	tech	nolog	gies that	are re	levant to	the	conserva	atio	n and sus	stainable	us	e of
biologi	cal div	versity	or mak	ke us	e of	genetic	resour	ces and	do r	not cause	e si	gnificant	damage	to	the
enviro	nment	?										_			

a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	

Further information on the measures to provide or facilitate access for and transfer to other Parties of technologies that are relevant to the conservation and sustainable use of biodiversity or make use of genetic resources and do not cause significant damage to the environment.

resourc	On Article 16(3), has your country taken measures so that Parties where are provided access to and transfer of technology which make use of all agreed terms?	
a)	No	
b)	No, but potential measures are under review	X
c)	Yes, some measures are in place	
d)	Yes, comprehensive legislation is in place	
e)	Yes, comprehensive statutory policy or subsidiary legislation are in place	
f)	Yes, comprehensive policy and administrative arrangements are in place	
g)	Not applicable	
<u>, </u>		1
access	On Article 16(4), has your country taken measures so that the privito joint development and transfer of relevant technology for the berions and the private sector of developing countries?	
a)	No	
b)	No, but potential measures are under review	X
c)	Yes, some policies and measures are in place (please provide details below)	
d)	Yes, comprehensive policies and measures are in place (please provide details below)	
e)	Not applicable	
Further	information on the measures taken.	
<u> </u>		
Box LV.		
Please el	aborate below on the implementation of this article specifically focusing of	n:
a)	outcomes and impacts of actions taken;	
b)	contribution to the achievement of the goals of the Strategic Plan of the	Convention;
c)	contribution to progress towards the 2010 target;	
d)	progress in implementing national biodiversity strategies and action plan	S;
e)	contribution to the achievement of the Millennium Development Goals;	
f)	constraints encountered in implementation.	

Programme of Work on transfer of technology and technology cooperation

120. Has your country provided financial and technical support and traini implementation of the programme of work on transfer of technology and tech (decision VII/29)	
a) No	
b) No, but relevant programmes are under development	
 Yes, some programmes being implemented (please provide details below) 	X
 d) Yes, comprehensive programmes being implemented (please provide details below) 	
Further comments on the provision of financial and technical support and training implementation of the programme of work on transfer of technology and technology	
121. Is your country taking any measures to remove unnecessary impediments country initiatives for technology transfer and for scientific and technical country (VII/29)	
a) No	Х
b) No, but some measures being considered	
c) Yes, some measures are in place (please provide details below)	
 d) Yes, comprehensive measures are in place (please provide details below) 	
Further comments on the measures to remove unnecessary impediments to function initiatives for technology transfer and for scientific and technical cooperation.	ding of multi-country
122. Has your country made any technology assessments addressing opportunities and barriers in relevant sectors as well as related needs in capacity decision VII/29)	
a) No	
b) No, but assessments are under way	X
c) Yes, basic assessments undertaken (please provide details below)	
d) Yes, thorough assessments undertaken (please provide details below)	
Further comments on technology assessments addressing technology needs barriers in relevant sectors as well as related needs in capacity building.	s, opportunities and

123 . Ha	s your country made any assessments and risk analysis of the potentia	al benefits, risks and
associate	ed costs with the introduction of new technologies? (annex to decision VI	1/29)
a)	No	X
b)	No, but assessments are under way	
c)	Yes, some assessments undertaken (please provide details below)	
d)	Yes, comprehensive assessments undertaken (please provide details below)	
	comments on the assessments and risk analysis of the potential ed costs with the introduction of new technologies.	benefits, risks and
appropria	s your country identified and implemented any measures to devate information systems for technology transfer and cooperation, building needs? (annex to decision VII/29)	
a) N	lo	
b) N	lo, but some programmes are under development	
c) Y	es, some programmes are in place and being implemented (please provide details below)	Х
d) Y	es, comprehensive programmes are being implemented (please provide details below)	
	comments on measures to develop or strengthen appropriate inforgy transfer and cooperation.	mation systems for
work as administr	s your country taken any of the measures specified under Target 3.2 of a preparatory phase to the development and implementation of natative, legislative and policy frameworks to facilitate cooperation as won of technologies of relevance to the Convention? (annex to decision VI)	ational institutional, ell as access to and
a)	No	Х
b)	No, but a few measures being considered	
c)	Yes, some measures taken (please specify below)	
d)	Yes, many measures taken (please specify below)	
implemen	comments on the measures taken as a preparatory phase to the ntation of national institutional, administrative, legislative and policy fraction as well as access to and adaptation of technologies of relevance to the	meworks to facilitate

Box LVI.

Please e focusing	laborate below on the implementation of this article and associated on:	decisions specifically
a)	outcomes and impacts of actions taken;	
b)	contribution to the achievement of the goals of the Strategic Plan of the	Convention;
c)	contribution to progress towards the 2010 target;	
d)	progress in implementing national biodiversity strategies and action plan	S;
e)	contribution to the achievement of the Millennium Development Goals;	
f)	constraints encountered in implementation.	
	Article 17 - Exchange of information	
from pu	On Article 17(1), has your country taken measures to facilitate the exclublicly available sources with a view to assist with the implementation of e technical and scientific cooperation?	
а) No	
b) No, but potential measures are under review	
С	Yes, some measures are in place	X
d) Yes, comprehensive measures are in place	
	The following question (127) is for DEVELOPED COUNTRIL	ES
	On Article 17(1), do these measures take into account the special es and include the categories of information listed in Article 17(2), such a	

127. On Article 17(1), do these measures take into account the special countries and include the categories of information listed in Article 17(2), such a and socio-economic research, training and surveying programmes, sperepatriation of information and so on?	s technical, scientific
a) No	
 b) Yes, but they do not include the categories of information listed in Article 17(2), such as technical, scientific and socio-economic research, training and surveying programmes, specialized knowledge, repatriation of information and so on 	
c) Yes, and they include categories of information listed in Article 17 (2), such as technical, scientific and socio-economic research, training and surveying programmes, specialized knowledge, repatriation of information and so on	

Box LVII.	
Please elaborate below on the implementation of this article and associated focusing on:	decisions specifically
a) outcomes and impacts of actions taken;	
b) contribution to the achievement of the goals of the Strategic Plan of the	Convention;
c) contribution to progress towards the 2010 target;	
d) progress in implementing national biodiversity strategies and action plar	ns;
e) contribution to the achievement of the Millennium Development Goals;	
f) constraints encountered in implementation.	
Article 18 - Technical and scientific cooperat	ion
128. On Article 18(1), has your country taken measures to promote intern scientific cooperation in the field of conservation and sustainable use of biological	
a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures to promote international technical and scien	ntific cooperation.
Singapore collaborates with countries in the region through the ASEAN Centre through existing partnerships between sister organizations (e.g., Singapore E sister institutions in Bogor (Indonesia) and Xishuanbanna (China)). Many exam scientific collaboration exist between university researchers in Singapore and throughout South-east and East Asia.	Sotanic Gardens and ples of technical and
129. On Article 18(4), has your country encouraged and developed method the development and use of technologies, including indigenous and traditio pursuance of the objectives of this Convention?	
a) No	
b) No, but relevant methods are under development	
c) Yes, methods are in place	X
130. On Article 18(5), has your country promoted the establishment programmes and joint ventures for the development of technologies relevant to Convention?	•
a) No	
b) Yes (please provide some examples below)	X

Examples for the establishment of joint research programmes and joint ventures of technologies relevant to the objectives of the Convention.	for the development
131. Has your country established links to non-governmental organizations, privinstitutions holding important databases or undertaking significant work on through the CHM? (decision V/14)	
a) No	
b) No, but coordination with relevant NGOs, private sector and other institutions under way	
c) Yes, links established with relevant NGOs, private sector and institutions	X
The following question (132) is for DEVELOPED COUNTRIE	ES
132. Has your country further developed the CHM to assist developing countrie economies in transition to gain access to information in the field of scie cooperation? (decision V/14)	
a) No	
b) Yes, by using funding opportunities	X
c) Yes, by means of access to, and transfer of technology	
d) Yes, by using research cooperation facilities	X
e) Yes, by using repatriation of information	
f) Yes, by using training opportunities	X
g) Yes, by using promotion of contacts with relevant institutions, organizations and the private sector	Х
h) Yes, by using other means (please specify below)	
Further comments on CHM developments to assist developing countries economies in transition to gain access to information in the field of scie cooperation.	
The CHM mechanism is newly developed in Singapore. The website provide current events, training opportunities, funding, recent research and collaborative to information available elsewhere within scientific circles in Singapore on tr (e.g., scholarships), funding (e.g., fellowships at Singapore Botanic Garde research cooperation.	e projects. This leads aining opportunities
133. Has your country used CHM to make information available more useful decision-makers? (decision V/14)	for researchers and
a) No	
b) No, but relevant initiatives under consideration	
c) Yes (please provide details below)	×

Further comments on development of relevant initiatives.	
CHM is available to all on a website, with facilities for on-line research application and fauna, description of relevant laws, etc.	ns, checklists of flora
134. Has your country developed, provided and shared services and tools to e the implementation of the CHM and further improve synergies among Conventions? (decision V/14)	
a) No	X
b) Yes (please specify services and tools below)	
Further comments on services and tools to enhance and facilitate the implementation further improve synergies among biodiversity-related Conventions.	entation of CHM and
Not yet. This is under consideration.	
Box LVIII.	
Please elaborate below on the implementation of this article and associated	
focusing on:	decisions specifically
	decisions specifically
focusing on: a) outcomes and impacts of actions taken;b) contribution to the achievement of the goals of the Strategic Plan of the	
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; 	Convention;
focusing on: a) outcomes and impacts of actions taken;b) contribution to the achievement of the goals of the Strategic Plan of the	Convention;
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plan	Convention;
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plan e) contribution to the achievement of the Millennium Development Goals;	Convention;
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plan e) contribution to the achievement of the Millennium Development Goals;	Convention;
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plan e) contribution to the achievement of the Millennium Development Goals;	Convention;
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plan e) contribution to the achievement of the Millennium Development Goals;	Convention; ns;
focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plan e) contribution to the achievement of the Millennium Development Goals; f) constraints encountered in implementation.	Convention; ns; of its benefits effective participation

i esoui (ces for such research:	
a)	No	
b)	No, but potential measures are under review	
c)	Yes, some measures are in place	X
d)	Yes, comprehensive legislation are in place	
e)	Yes, comprehensive statutory policy and subsidiary legislation are in place	
f)	Yes, comprehensive policy and administrative measures are in place	

priority access by Parties, on a fa	country taken all practicable measures to p ir and equitable basis, to the results and b resources provided by those Parties?	
a) No		
b) No, but potential measures	are under review	
c) Yes, some measures are in	place	Х
d) Yes, comprehensive measur	es are in place	
Box LIX.		
Please elaborate below on the imp focusing on:	lementation of this article and associated	decisions specifically
a) outcomes and impacts of ac		
	ment of the goals of the Strategic Plan of the	Convention;
c) contribution to progress to	•	
	ational biodiversity strategies and action plan	IS;
e) contribution to the achieverf) constraints encountered in	ment of the Millennium Development Goals;	
Article	20 – Financial resources	
external, that have been utilized, r	owing items the quantity of financial resource eceived or provided, as applicable, to impler I basis, since your country became a Party to	ment the Convention
a) Budgetary allocations by national and local Governments as well as different sectoral ministries	X	
b) Extra-budgetary resources (identified by donor agencies)		
c) Bilateral channels (identified by donor agencies)		
d) Regional channels (identified by donor agencies)		
e) Multilateral channels		

(identified by donor agencies)

f) Private sources (identified by donor agencies)	
g) Resources generated through financial instruments, such as charges for use of biodiversity	
Box LXI.	
Please describe in detail below any major financing programmes, such as biodiv specific programmes that have been established in your country.	ersity trust funds or
	-
137. On Article 20(1), has your country provided financial support and national activities that are intended to achieve the objectives of the Convention?	incentives to those
a) No	
b) Yes, incentives only (please provide a list of such incentives below)	
c) Yes, financial support only	X
d) Yes, financial support and incentives (please provide details below)	
Further comments on financial support and incentives provided.	
The next question (138) is for DEVELOPED COUNTRIES	
138. On Article 20(2), has your country provided new and additional financial developing country Parties to meet the agreed incremental costs to them of imp which fulfill the obligations of the Convention?	
a) No	
b) Yes (please indicate the amount, on an annual basis, of new and additional financial resources your country has provided)	
Further comments on new and additional financial resources provided.	
The next question (139) is for DEVELOPING COUNTRIES OR COUNTRIES V IN TRANSITION	VITH ECONOMIES
139. On Article 20(2), has your country received new and additional financial it to meet the agreed full incremental costs of implementing measures which full the Convention?	
a) No	
b) Yes	X

140. Plas your country established a process to monitor financial sup including support provided by the private sector? (decision V/11)	port to biodiversity,
a) No	
b) No, but procedures being established	
c) Yes (please provide details below)	X
Further comments on processes to monitor financial support to biodiversit provided by the private sector.	y, including support
The current financial tracking system monitors support to overseas causes. In country support is available in principle but not analysed separately.	formation on within-
141. Plas your country considered any measures like tax exemptions in nation to encourage financial support to biodiversity? (decision V/11)	onal taxation systems
a) No	
b) No, but exemptions are under development (please provide details below)	
c) Yes, exemptions are in place (please provide details below)	X
Further comments on tax exemptions for biodiversity-related donations.	
Tax exemptions for charitable and non-profit organizations are in place.	
142. Has your country reviewed national budgets and monetary policies, include of official development assistance allocated to biodiversity, with particular attendincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16)	ntion paid to positive
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways	ntion paid to positive
of official development assistance allocated to biodiversity, with particular atter incentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16)	ntion paid to positive and means for their
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No	ntion paid to positive and means for their
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No b) No, but review is under way	ntion paid to positive and means for their
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No b) No, but review is under way c) Yes (please provide results of review below) Further comments on review of national budgets and monetary policies, including	ntion paid to positive and means for their
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No b) No, but review is under way c) Yes (please provide results of review below) Further comments on review of national budgets and monetary policies, including	ntion paid to positive and means for their
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No b) No, but review is under way c) Yes (please provide results of review below) Further comments on review of national budgets and monetary policies, including	x g the effectiveness of ntegrate biodiversity ational development
of official development assistance allocated to biodiversity, with particular atterincentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No b) No, but review is under way c) Yes (please provide results of review below) Further comments on review of national budgets and monetary policies, including official development assistance. 143. Is your country taking concrete actions to review and further in considerations in the development and implementation of major international initiatives, as well as in national sustainable development plans and relevant	x g the effectiveness of ntegrate biodiversity ational development
of official development assistance allocated to biodiversity, with particular atter incentives and their performance as well as perverse incentives and ways removal or mitigation? (decision VI/16) a) No b) No, but review is under way c) Yes (please provide results of review below) Further comments on review of national budgets and monetary policies, including official development assistance. 143. Is your country taking concrete actions to review and further in considerations in the development and implementation of major international initiatives, as well as in national sustainable development plans and relevant plans? (decisions VI/16 and VII/21)	x g the effectiveness of ntegrate biodiversity ational development

d) Yes, in major initiatives and plans (please provide details below)

Further comments on review and integration of biodiversity considerations in relevant initiatives, policies and plans.

Biological diversity considerations are being incorporated into the National Climate Change Strategy in response to signature of the Kyoto Protocol.

Singapore takes cognizance of WSSD targets and incorporates these where appropriate into Singapore Green Plan 2012 targets.

144.	Is your country	enhancing the	integration of	f biological	diversity	into the	sectoral	developm	ent
and a	ssistance progra	mmes? (decision	n VII/21)						

a)	No	
b)	No, but relevant programmes are under development	
c)	Yes, into some sectoral development and assistance programmes (please provide details below)	X
d)	Yes, into major sectoral development and assistance programmes (please provide details below)	

Further comments on the integration of biodiversity into sectoral development and assistance programmes

The next question (145) is for DEVELOPED COUNTRIES

145. Please indicate with an "X" in the table below in which area your country has provided financial support to developing countries and/or countries with economies in transition. Please elaborate in the space below if necessary.

	Areas	Support provided
a)	Undertaking national or regional assessments within the framework of MEA (decision VI/8)	
b)	In-situ conservation (decision V/16)	
c)	Enhance national capacity to establish and maintain the mechanisms to protect traditional knowledge (decision VI/10)	
d)	Ex-situ conservation (decision V/26)	
e)	Implementation of the Global Strategy for Plant Conservation (decision VI/9)	
f)	Implementation of the Bonn Guidelines (decision VI/24)	
g)	Implementation of programme of work on agricultural biodiversity (decision V/5)	
h)	Preparation of first report on the State of World's Animal Genetic Resources (decision VI/17)	

i)	Support to work of existing regional coordination mechanisms and development of regional and sub regional networks or processes (decision VI/27)	
j)	Development of partnerships and other means to provide the necessary support for the implementation of the programme of work on dry and subhumid lands biological diversity (decision VII/2)	
k)	Financial support for the operations of the Coordination Mechanism of the Global Taxonomy Initiative (decision VII/9)	
l)	Support to the implementation of the Action Plan on Capacity Building as contained in the annex to decision VII/19 (decision VII/19)	
m)	Support to the implementation of the programme of work on mountain biological diversity (decision VII/27)	
n)	Support to the implementation of the programme of work on protected areas (decision VII/28)	
o)	Support to the development of national indicators (decision VII/30)	
p)	Others (please specify)	
	er information on financial support provided to developing countries and comies in transition.	countries with

The next question (146) is for DEVELOPING COUNTRIES OR COUNTRIES WITH ECONOMIES IN TRANSITION

146. Please indicate with an "X" in the table below in which areas your country has applied for funds from the Global Environment Facility (GEF), from developed countries and/or from other sources. The same area may have more than one source of financial support. Please elaborate in the space below if necessary.

Areas	Applied for funds from			
Aleas	GEF	Bilateral	Other	
a) Preparation of national biodiversity strategies or action plans			X	
b) National capacity self-assessment for implementation of Convention (decision VI/27)			Х	
c) Priority actions to implement the Global Taxonomy Initiative (decision V/9)			X	
d) In-situ conservation (decision V/16)			X	
e) Development of national strategies or action plans to deal with alien species (decision VI/23)			Х	
f) Ex-situ conservation, establishment and maintenance of Ex- situ conservation facilities (decision V/26)			X	

g) Projects that promote measures for implementing Article 13 (Education and Public Awareness) (decision VI/19)		X				
h) Preparation of national reports (decisions III/9, V/19 and VI/25)		X				
 i) Projects for conservation and sustainable use of inland water biological diversity (decision IV/4) 		X				
 j) Activities for conservation and sustainable use of agricultural biological diversity (decision V/5) 		N.A.				
k) Implementation of the Cartagena Protocol on Biosafety (decision VI/26)		N.A.				
I) Implementation of the Global Taxonomy Initiative		X				
m) Implementation of the Addis Ababa Principles and Guidelines for the Sustainable Use of Biodiversity		X				
n) Others (please specify)						
Further information on application for financial support.						

Box LXII.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

D. THEMATIC AREAS

147. Please use the scale indicated below to reflect the level of challenges faced by your country in implementing the thematic programmes of work of the Convention (marine and coastal biodiversity, agricultural biodiversity, forest biodiversity, inland waters biodiversity, dry and sub-humid lands and mountain biodiversity).

-						
3 = High Challenge	1 = Low Challenge					
2 = Medium Challenge	0 = Challenge has been successfully overcome					
N/A = Not applicable						

	Programme of Work							
Challenges	Agricultur al	Forest	Marine and coastal	Inland water ecosystem	Dry and subhumid lands	Mountain		
(a) Lack of political will and support	N/A	1	2	2	N/A	N/A		
(b) Limited public participation and stakeholder involvement	N/A	1	2	2	N/A	N/A		
(c) Lack of main- streaming and integration of biodiversity issues into other sectors	N/A	1	2	1	N/A	N/A		
(d) Lack of precautionary and proactive measures	N/A	1	2	1	N/A	N/A		
(e) Inadequate capacity to act, caused by institutional weakness	N/A	1	2	1	N/A	N/A		
(f) Lack of transfer of technology and expertise	N/A	1	2	1	N/A	N/A		
(g) Loss of traditional knowledge	N/A	N/A	N/A	N/A	N/A	N/A		
(h) Lack of adequate scientific research capacities to support all the objectives	N/A	1	2	2	N/A	N/A		
(i) Lack of accessible knowledge and information	N/A	1	2	2	N/A	N/A		
(j) Lack of public education and awareness at all levels	N/A	1	2	2	N/A	N/A		
(k) Existing scientific and traditional knowledge not fully utilized	N/A	1	2	1	N/A	N/A		

(I) Loss of biodiversity and the corresponding goods and services it provides not properly understood and documented	N/A	2	2	1	N/A	N/A
(m) Lack of financial, human, technical resources	N/A	1	2	1	N/A	N/A
(n) Lack of economic incentive measures	N/A	1	2	1	N/A	N/A
(o) Lack of benefit- sharing	N/A	N/A	2	1	N/A	N/A
(p) Lack of synergies at national and international levels	N/A	1	2	1	N/A	N/A
(q) Lack of horizontal cooperation among stakeholders	N/A	1	2	1	N/A	N/A
(r) Lack of effective partnerships	N/A	0	2	1	N/A	N/A
(s) Lack of engagement of scientific community	N/A	0	1	1	N/A	N/A
(t) Lack of appropriate policies and laws	N/A	1	2	1	N/A	N/A
(u) Poverty	N/A	N/A	N/A	N/A	N/A	N/A
(v) Population pressure	N/A	N/A	N/A	N/A	N/A	N/A
(w) Unsustainable consumption and production patterns	N/A	N/A	N/A	N/A	N/A	N/A
(x) Lack of capacities for local communities	N/A	N/A	N/A	N/A	N/A	N/A
(y) Lack of knowledge and practice of ecosystem-based approaches to management	N/A	0	1	1	N/A	N/A
(z) Weak law enforcement capacity	N/A	0	1	0	N/A	N/A
(aa) Natural disasters and environmental change	N/A	1	1	1	N/A	N/A
(bb) Others (please specify)	N/A				N/A	N/A

Inland water ecosystems

148. Has your country incorporated the objectives and relevant activities of the programme of work into the following and implemented them? (decision VII/4)

St	rategies, policies, plans and activities	No	Yes, partially, integrated but not implemented	Yes, fully integrated and implemented	N/A
a)	Your biodiversity strategies and action plans		×		
b)	Wetland policies and strategies		X		
c)	Integrated water resources management and water efficiency plans being developed in line with paragraph 25 of the Plan of Implementation of the World Summit on Sustainable Development		X		
d)	Enhanced coordination and cooperation between national actors responsible for inland water ecosystems and biological diversity		X		

Further comments on incorporation of the objectives and activities of the programme of work

The Active, Beautiful and Clean (ABC) Programme under the Public Utilities Board incorporates various objectives and activities consistent with the CBD targets.

The ABC Programme is implemented in collaboration with other government agencies and the private sector.

149. Has your country identified priorities for each activity in the programme of work, including timescales, in relation to outcome oriented targets? (decision VII/4)

a) No	
b) Outcome oriented targets developed but priority activities not developed	X
c) Priority activities developed but not outcome oriented targets	×
d) Yes, comprehensive outcome oriented targets and priority activities developed	

Further comments on the adoption of outcome oriented targets and priorities for activities, including providing a list of targets (if developed).

Some priority activities and some outcome-oriented targets have been developed. These include targets on length of inland waterways to be managed, water quality targets, targets for recreational use.

150. Is your country promoting synergies between this programme of work and related activit	ies
under the Ramsar Convention as well as the implementation of the Joint Work Plan (CBD-Ramsar)) at
the national level? (decision VII/4)	

a) Not applicable (not Party to Ramsar Convention)	×
b) No	
 c) No, but potential measures were identified for synergy and joint implementation 	
 d) Yes, some measures taken for joint implementation (please specify below) 	
e) Yes, comprehensive measures taken for joint implementation (please specify below)	

Further comments on the promotion of synergies between the programme of work and related activities under the Ramsar Convention as well as the implementation of the Joint Work Plan (CBD-Ramsar) at the national level.

151. Has your country taken steps to improve national data on: (decision VII/4)

	Issues	Yes	No	No, but development is under way
a)	Goods and services provided by inland water ecosystems?	X		
b)	The uses and related socioeconomic variables of such goods and services?	X		
c)	Basic hydrological aspects of water supply as they relate to maintaining ecosystem function?			
d)	Species and all taxonomic levels?	X		
e)	On threats to which inland water ecosystems are subjected?	Х		

Further comments on the development of data sets, in particular a list of data sets developed in case you have replied "YES" above.

- a) e.g., recreational use of inland waters; studies on freshwater biological diversity;
- b) e.g., recreational use of forests, waterways, beaches;
- d) e.g., national species inventories, natural area surveys;
- e) e.g., on climate change, pollution sources, recreational use

152. Has your country promoted the application of the guidelines on the rapid assessment of the biological diversity of inland water ecosys tems? (decision VII/4)					
a) No, the guidelines have not been reviewed					
b) No, the guidelines have been reviewed and found inappropriate					
c) Yes, the guidelines have been reviewed and application/promotion is pending					
d) Yes, the guidelines promoted and applied					
Further comments on the promotion and application of the guidelines on the rapid assessment of the biological diversity of inland water ecosystems.					
Although the CBD guidelines have not yet been reviewed, there are existing projects to perform rapid assessment of the biological diversity of inland water ecosystems. These activities are not in conflict with the CBD guidelines.					

Box LXIII.

Please elaborate below on the implementation of this programme of work and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

Marine and coastal biological diversity General

153. Do your country's strategies and action plans include the following? Please use an "X" to indicate your response. (decisions II/10 and IV/15)					
a) Developing new marine and coastal protected areas	X				
b) Improving the management of existing marine and coastal protected areas	X				
 Building capacity within the country for management of marine and coastal resources, including through educational programmes and targeted research initiatives (if yes, please elaborate on types of initiatives in the box below) 					
d) Instituting improved integrated marine and coastal area management (including catchments management) in order to reduce sediment and nutrient loads into the marine environment	×				

e)	Х					
f)	Improving sewage and other waste treatment	X				
g)						
h)	h) Developing a comprehensive oceans policy (if yes, please indicate current stage of development in the box below)					
i)	Incorporation of local and traditional knowledge into management of marine and coastal resources (if yes, please elaborate on types of management arrangements in the box below)					
j)	Others (please specify below)					
k)	Not applicable					
	elaborate on the above activities and list any other priority actions relat stainable use of marine and coastal biodiversity.	ing to conservation				
	Implementation of Integrated Marine and Coastal Area Ma					
	Has your country established and/or strengthened institutional, administrements for the development of integrated management of marine and coas					
a)	No					
b)	Early stages of development	X				
c)	Advanced stages of development					
d)	Arrangements in place (please provide details below)					
e)	Not applicable					
	r comments on the current status of implementation of integrated marinement.	ne and coastal area				
resour	Has your country implemented ecosystem-based management of n ces, for example through integration of coastal management and watersh h integrated multidisciplinary coastal and ocean management?					
a)	No					
b)	Early stages of development	Х				
c)	Advanced stages of development					
d)	Arrangements in place (please provide details below)					
e)	Not applicable					
	r comments on the current status of application of the ecosystem to manastal resources.	nagement of marine				

Marine and Coastal Living Resources

156.	Has	your	country	identified	components	of y	our	marine	and	coastal	ecosystems,	which	are
critica	I for	their	functioni	ng, as well	l as key threa	ts to	tho	se ecosy	/stem	ns?			

a) No

b) Plans for a comprehensive assessment of marine and coastal ecosystems are in place (please provide details below)

c) A comprehensive assessment is currently in progress

d) Critical ecosystem components have been identified, and management plans for them are being developed (please provide details below)

e) Management plans for important components of marine and coastal ecosystems are in place (please provide details below)

f) Not applicable

Further comments on the current status of assessment, monitoring and research relating to marine and coastal ecosystems, as well as key threats to them

Surveys of marine natural areas are being conducted in many intertidal and subtidal locations.

157. Is your country undertaking the following activities to implement the Convention's work plan on coral reefs? Please use an "X" to indicate your response.

	Activities	Not implemented nor a priority	Not implemented but a priority	Currently implemented	Not applicable
a)	Ecological assessment and monitoring of reefs			X	
b)	Socio-economic assessment and monitoring of communities and stakeholders				X
c)	Management, particularly through application of integrated coastal management and marine and coastal protected areas in coral reef environments			X	
d)	Identification and implementation of additional and alternative measures for securing livelihoods of people who directly depend on coral reef services				×

		X					
		×					
	×						
	x						
	X						
Please elaborate on ongoing activities.							
		X	x				

Marine and Coastal Protected Areas

158. Which of the following statements can best describe the current status of marine and coastal protected areas in your country? Please use an "X" to indicate your response.					
 a) Marine and coastal protected areas have been declared and gazetted (please indicate below how many) 					
 b) Management plans for these marine and coastal protected areas have been developed with involvement of all stakeholders 					
 c) Effective management with enforcement and monitoring has been put in place 					
 d) A national system or network of marine and coastal protected areas is under development 					
e) A national system or network of marine and coastal protected areas has been put in place					
f) The national system of marine and coastal protected areas includes areas managed for purpose of sustainable use, which may allow extractive activities	X				
g) The national system of marine and coastal protected areas includes areas which exclude extractive uses					
 h) The national system of marine and coastal protected areas is surrounded by sustainable management practices over the wider marine and coastal environment. 					
i) Other (please describe below)					
j) Not applicable					

Further comments on the current status of marine and coastal protected areas.	

Mariculture

	159. Is your country applying the following techniques aimed at minimizing adverse impacts of mariculture on marine and coastal biodiversity? Please check all that apply.			
a)	Application of environmental impact assessments for mariculture developments	X		
b)	Development and application of effective site selection methods in the framework of integrated marine and coastal area management	Х		
c)	Development of effective methods for effluent and waste control	X		
d)	Development of appropriate genetic resource management plans at the hatchery level			
e)	Development of controlled hatchery and genetically sound reproduction methods in order to avoid seed collection from nature.			
f)	If seed collection from nature cannot be avoided, development of environmentally sound practices for spat collecting operations, including use of selective fishing gear to avoid by-catch			
g)	Use of native species and subspecies in mariculture	Х		
h)	Implementation of effective measures to prevent the inadvertent release of mariculture species and fertile polypoids.			
i)	Use of proper methods of breeding and proper places of releasing in order to protect genetic diversity			
j)	Minimizing the use of antibiotics through better husbandry techniques			
k)	Use of selective methods in commercial fishing to avoid or minimize by-catch	X		
l)	Considering traditional knowledge, where applicable, as a source to develop sustainable mariculture techniques	N/A		
m)	Not applicable			
	comments on techniques that aim at minimizing adverse impacts of natal biodiversity.	nariculture on marine		

Alien Species and Genotypes

160. Has your country put in place mechanisms to control pathways of introduction of alien species in the marine and coastal environment? Please check all that apply and elaborate on types of measures in the space below.					
a)	No				
b)	Mechanisms to control potential invasions from ballast water have been put in place (please provide details below)				
c)	Mechanisms to control potential invasions from hull fouling have been put in place (please provide details below)				
d)	Mechanisms to control potential invasions from aquaculture have been put in place (please provide details below)				
e)	Mechanisms to control potential invasions from accidental releases, such as aquarium releases, have been put in place (please provide details below)				
f)	Not applicable				
	comments on the current status of activities relating to prevention of in the marine and coastal environment, as well as any eradication activiti				
Releva issues.	nt agencies in Singapore have set up consultative process to move for	ward on the above			
Box LXI	v.				
	elaborate below on the implementation of this programme of work and lly focusing on:	associated decisions			
a)	a) outcomes and impacts of actions taken;				
b)	contribution to the achieve ment of the goals of the Strategic Plan of the	Convention;			
c)	contribution to progress towards the 2010 target;				
d)	progress in implementing national biodiversity strategies and action plan	S;			
e) contribution to the achievement of the Millennium Development Goals;					
f) constraints encountered in implementation.					

Agricultural biological diversity

161. Plas your country developed national strategies, programmes and pl development and successful implementation of policies and actions that lead to sustainable use of agrobiodiversity components? (decisions III/11 and IV/6)					
a) No					
b) No, but strategies, programmes and plans are under development					
 c) Yes, some strategies, programmes and plans are in place (please provide details below) 					
 d) Yes, comprehensive strategies, programmes and plans are in place (please provide details below) 					
Further comments on agrobiodiversity components in national strategies, progra	mmes and plans.				
Not applicable in Singapore					
162. Plas your country identified ways and means to address the potential in restriction technologies on the <i>In-situ</i> and <i>Ex-situ</i> conservation and sustainable security, of agricultural biological diversity? (decision V/5)					
a) No					
b) No, but potential measures are under review					
c) Yes, some measures identified (please provide details below)					
d) Yes, comprehensive measures identified (please provide details below)					
Further information on ways and means to address the potential impacts of gotechnologies on the <i>In-situ</i> and <i>Ex-situ</i> conservation and sustainable use of agric					
Not applicable in Singapore					
Annex to decision V/5 - Programme of work on agricultural	biodiversity				
Programme element 1 – Assessment					
163 . Has your country undertaken specific assessments of components of agr such as on plant genetic resources, animal genetic resources, pollinators, penutrient cycling?	-				
a) No					
b) Yes, assessments are in progress (please specify components below)					
 Yes, assessments completed (please specify components and results of assessments below) 					
Further comments on specific assessments of components of agricultural biodive	rsity.				
Not applicable in Singapore					

the conse	your country undertaking assessments of the interactions between agric ervation and sustainable use of the components of biodiversity referred on (e.g. ecosystems and habitats; species and communities; genomes or economic importance)?	to in Annex I of the					
a)	No						
b)	Yes, assessments are under way						
c)	Yes, some assessments completed (please provide details below)						
d)	Yes, comprehensive assessments completed (please provide details below)						
	comments on assessment of biodiversity components (e.g. ecosystems a munities; genomes and genes of social, scientific or economic importance						
Not appli	cable in Singapore						
44= 11							
farmers	s your country carried out an assessment of the knowledge, innovation and indigenous and local communities in sustaining agricultural bid m services for food production and food security?						
a)	a) No						
b)	b) Yes, assessment is under way						
c)	c) Yes, assessment completed (please specify where information can be retrieved below)						
	comments on assessment of the knowledge, innovations and practions and local communities.	ces of farmers and					
Not appli	cable in Singapore						
166. Ha restoration force?	s your country been monitoring an overall degradation, on/rehabilitation of agricultural biodiversity since 1993 when the Conv	status quo or vention entered into					
a)	No						
b)	Yes, no change found (status quo)						
c)	Yes, overall degradation found (please provide details below)						
d)	Yes, overall estoration or rehabilitation observed (please provide details below)						
Further o	comments on observations.						
Not appli	cable in Singapore						

Programme element 2 - Adaptive management	Programme element 2 - Adaptive management					
167. Has your country identified management practices, technologies and policies that promote the positive, and mitigate the negative, impacts of agriculture on biodiversity, and enhance productivity and the capacity to sustain livelihoods?						
a) No						
b) No, but potential practices, technologies and policies being identified						
 Yes, some practices, technologies and policies identified (please provide details below) 						
d) Yes, comprehensive practices, technologies and policies identified (please provide details below)						
Further comments on identified management practices, technologies and policies						
Not applicable in Singapore						
Programme element 3 - Capacity-building						
168. Has your country increased the capacities of farmers, indigenous and locatheir organizations and other stakeholders, to manage sustainable agricultura develop strategies and methodologies for <i>In-situ</i> conservation, sustainable use agricultural biological diversity?	I biodiversity and to					
a) No						
b) Yes (please specify area/component and target groups with increased capacity)						
Further comments on increased capacities of farmers, indigenous and local communities, and their organizations and other stakeholders.						
Not applicable in Singapore						
169. Has your country put in place operational mechanisms for participation stakeholder groups to develop genuine partnerships contributing to the improgramme of work on agricultural biodiversity?						
a) No	Х					
b) No, but potential mechanisms being identified						
c) No, but mechanisms are under development						
d) Yes, mechanisms are in place						
170. Has your country improved the policy environment, including benefit-sh and incentive measures, to support local-level management of agricultural biodiv						
a) No						
b) No, but some measures and arrangements being identified						

С	No, but measures and arrangements are under development	
C	Yes, measures and arrangements are being implemented (please specify below)	
Further	comments on the measures taken to improve the policy environment.	
Not app	olicable in Singapore	
	Programme element 4 – Mainstreaming	
	s your country mainstreaming or integrating national plans or strategies stainable use of agricultural biodiversity in sectoral and cross-sectoral plan	
а	n) No	
b	o) No, but review is under way	
С	No, but potential frameworks and mechanisms are being identified	
C	 Yes, some national plans or strategies mainstreamed and integrated into some sectoral plans and programmes (please provide details below) 	
e	e) Yes, some national plans or strategies mainstreamed into major sectoral plans and programmes (please provide details below)	
	comments on mainstreaming and integrating national plans or strategies stainable use of agricultural biodiversity in sectoral and cross-sectoral plar	
Not app	olicable in Singapore	
the ma	s your country supporting the institutional framework and policy and plan instreaming of agricultural biodiversity in agricultural strategies and a tion into wider strategies and action plans for biodiversity?	
a)	No	
b)	Yes, by supporting institutions in undertaking relevant assessments	
c)	Yes, by developing policy and planning guidelines	
d)	Yes, by developing training material	
e)	Yes, by supporting capacity-building at policy, technical and local levels	
f)	Yes, by promoting synergy in the implementation of agreed plans of action and between ongoing assessment and intergovernmental processes.	
Further	comments on support for institutional framework and policy and planning	mechanisms.
Not app	olicable in Singapore	

173. In the case of centers of origin in your country, is your country processervation, on farm, <i>In-situ</i> , and <i>Ex-situ</i> , of the variability of general agriculture, including their wild relatives?	
a) No	
b) Yes (please provide details below)	
Further comments on of the conservation of the variability of genetical agriculture in their center of origin.	ic resources for food and
Not applicable in Singapore	
Box LXV.	
Please provide information concerning the actions taken by your country Action for the International Initiative for the Conservation and Sustainable	•
1	
Box LXVI.	
Please elaborate below on the implementation of this programme of wo specifically focusing on:	ork and associated decisions
a) outcomes and impacts of actions taken;	
b) contribution to the achievement of the goals of the Strategic Plan	of the Convention;
c) contribution to progress towards the 2010 target;	
d) progress in implementing national biodiversity strategies and action	·
e) contribution to the achievement of the Millennium Development Gf) constraints encountered in implementation.	Goals;
f) constraints encountered in implementation.	

Forest Biological Diversity

General

174.	Has	your	country	incorporated	relevant	parts	of	the	work	programme	into	your	national
biodiv	ersity	y stra	tegies and	d action plans	and natio	nal for	est	prog	gramm	nes?			

a)	No	
b)	Yes, please describe the process used	X
c)	Yes, please describe constraints/obstacles encountered in the process	
d)	Yes, please describe lessons learned	
e)	Yes, please describe targets for priority actions in the programme of work	

Further comments on the incorporation of relevant parts of the work programme into your NBSAP and forest programmes

Relevant aspects are incorporated into the Singapore Green Plan 2012. Management plans are in place for Bukit Timah Nature Reserve; and for Sungei Buloh Wetlands Reserve.

Box LXVII.

Please indicate what recently applied tools (policy, planning, management, assessment and measurement) and measures, if any, your country is using to implement and assess the programme of work. Please indicate what tools and measures would assist the implementation.

Recent tools applied include the following:

FAO Forest Resources Assessment

Millennium Development Goals

ASEAN State of the Environment Report

— are all used as tracking methods for forest-related performance

Box LXVIII.

Please indicate to what extent and how your country has involved indigenous and local communities, and respected their rights and interests, in implementing the programme of work.

Not applicable in Singapore

Box LXIX.

Please indicate what efforts your country has made towards capacity building in human and capital resources for the implementation of the programme of work.

Box LXX.

Please indicate how your country has collaborated and cooperated (e.g., south-south, north-south, south-north, north-north) with other governments, regional or international organizations in implementing the programme of work. Please also indicate what are the constraints and/or needs identified.

Expanded programme of work on forest biological diversity

Programme element 1 – Conservation, sustainable use and benefit-sharing 175. Is your country applying the ecosystem approach to the management of all types of forests? a) No (please provide reasons below) b) No, but potential measures being identified (please provide details below) c) Yes (please provide details below) X

Comments on application of the ecosystem approach to management of forests (including effectiveness of actions taken, lessons learned, impact on forest management, constraints, needs, tools, and targets).

Zoning is incorporated into Master Planning for land use

176. Has your country undertaken measures to reduce the threats to, and mitigate its impacts on forest biodiversity?

Options	X	Details
a) Yes		Please specify below the major threats identified in relation to each objective of goal 2 and the measures undertaken to address priority actions
	×	Land use planning procedures including URA Master Plan; protection of all primary forest in protected areas network; consultation between development and biodiversity agencies
b) No		Please provide reasons below

Further comments on measures to reduce threats to, and mitigate the impacts of threatening processes on forest biodiversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

177. Is your country undertaking any measures to protect, recover and restore forest biological diversity?

Options	X	Details
a) Yes		Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities
	×	Protection of all primary forest in protected areas network; forest restoration programmes undertaken; Plant Conservation Strategy
b) No		Please provide reasons below

Further comments on measures to protect, recover and restore forest biological diversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

178. Is your country undertaking any measures to promote the sustainable use of forest biological diversity?

Options	X	Details	
a) Yes		Please specify priority actions in relation to each objective of goal 4 and describe measures undertaken to address these priorities	
	×	Management of recreational pressures, visitor controls, provision of low-impact facilities, monitoring of forest health	
b) No		Please provide reasons below	

Further comments on the promotion of the sustainable use of forest biological diversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

Use of forest resources in Singapore is non-consumptive recreational, educational and scientific use. These are governed by protected area legislation, regulations and permit systems.

179. Is your country undertaking any measures to promote access and benefit-sharing of forest genetic resources?

Options	X	Details
a) Yes		Please specify priority actions in relation to each objective of goal 5 and describe measures undertaken
	×	Facilitating research; establishment of permit system, with assistance to researchers where appropriate; sharing of published information via hard copy and websites.
b) No		Please provide reasons below

Further comments on the promotion of access and benefit-sharing of forest genetic resources. (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets)

Programme element 2 - Institutional and socio-economic enabling environment

180. Is your country undertaking any measures to enhance the institutional enabling environment for the conservation and sustainable use of forest biological diversity, including access and benefit-sharing?

Options	X	Details	
a) Yes	X	Please identify priority actions in relation to each objective of Goal 1 and describe measures undertaken to address these priorities	
		Capacity-building of National Parks Board and Biodiversity Centre within the Board; enhanced staff strength and training for management of Nature Reserves.	
b) No		Please provide reasons below	

Further comments on the enhancement of the institutional enabling environment for the conservation and sustainable use of forest biological diversity, including access and benefit-sharing (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

181. Is your country undertaking any measures to address socio-economic failures and distortions that lead to decisions that result in loss of forest biological diversity?

Options	X	Details	
a) Yes		Please identify priority actions in relation to each objective of Goal 2 and describe measures undertaken to address these priorities	
	X	Further input of biodiversity considerations into land use planning and development proposal evaluations.	
b) No		Please provide reasons below	

Further comments on review of socio-economic failures and distortions that lead to decisions that result in loss of forest biological diversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

182. Is your country undertaking any measures to increase public education, participation and awareness in relation to forest biological diversity?

Options	X	Details
a) Yes		Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities
	X	National Parks Board has roving exhibitions; produces educational posters; conducts talks on biodiversity-related topics. Incorporation of biodiversity-related topics into school and university curriculum.
b) No		Please provide reasons below

Further comments on measures to increase public education, participation and awareness in relation to forest biological diversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

Ministry of Education works with a number of partners from the public and private sectors in promoting biodiversity education programmes e.g. Sembawang Shipyard, Singapore Environment Council, National Institute of Education, National University of Singapore, Singapore Science Centre, Hongkong and Shanghai Bank, etc.

In schools, our teachers have the capacity to deliver the biodiversity components of the curricula in Primary Science, Lower Secondary Science, 'O' level Science, 'O' level Biology, 'O' level Geography and 'A' level Biology.

The National University of Singapore and the National Institute of Education have sound biodiversity programmes. Likewise, efforts from National Parks Board and Singapore Environment Council are

relevant.

School students have a wide range of opportunity to receive education and participate in biodiversity programmes at the local level. Teachers lead students on field trips to nature conservation sites like Bukit Timah and Sungei Buloh to raise awareness of the importance of conservation of such sites. Schools are also involved in re-forestation programmes that are led by biodiversity experts from tertiary institutions such as the National Institute of Education. The Raffles Museum of Biodiversity Research, which is located at the National University of Singapore, initiates collaborations with school students on biodiversity programmes.

Programme element 3 - Knowledge, assessment and monitoring

183. Is your country undertaking any measures to characterize forest ecosystems at various scales in order to improve the assessment of the status and trends of forest biological diversity?

Options	X	Details
a) Yes	X	Please identify priority actions in relation to each objective of Goal 1 and describe measures undertaken to address these priorities
b) No		Please provide reasons below

Further comments on characterization of forest ecosystems at various scales (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

National Parks Board has developed a habitat classification. This is applied during biodiversity surveys, and in mapping.

There is a collabotion between National Parks Board, National Institute of Education and Centre for Tropical Forest Science (CTFS) on forest tree population biology. This can be used for long term monitoring in permanent plots.

184. Is your country undertaking any measures to improve knowledge on, and methods for, the assessment of the status and trends of forest biological diversity?

Options	X	Details
a) Yes		Please identify priority actions in relation to each objective of goal 2 and describe measures undertaken to address these priorities
	X	Application of IUCN criteria to rarity assessments Centre for Tropical Forest Science permanent tree plots
b) No		Please provide reasons below

Further comments on improvement of knowledge on and methods for the assessment of the status and trends (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

Non-governmental organizations conduct regular censuses of birds, including forest birds.

185. Is your country undertaking any measures to improve the understanding of the role of forest biodiversity and ecosystem functioning?

Options	X	Details
a) Yes		Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities
	X	Research activities in forest ecology
b) No		Please provide reasons below

Further comments on the improvement of the understanding of the role of forest biodiversity and ecosystem functioning (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

A wide range of research topics is undertaken by undergraduates, graduates and academics of local institutions of higher learning.

186. Is your country undertaking any measures at national level to improve the infrastructure for data and information management for accurate assessment and monitoring of global forest biodiversity?

Options	X	Details
a) Yes		Please identify priority actions in relation to each objective of goal 4 and describe measures undertaken to address these priorities
	×	Participation in international mechanisms such as FAO Forest Resources Assessment, Millennium Development Goals, and ASEAN State of Environment Report; revision of Singapore Red Data Book; production of schecklist of Singapore plants; Clearing-house Mechanism with listing of species of flora and fauna
b) No		Please provide reasons below

Further comments on the improvement of the infrastructure for data and information management (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).

Singapore is further developing an integrated system of databases and mapping resources				
Box LXXI.				
Please elaborate below on the implementation of this programme of work and associated decisions specifically focusing on: a) outcomes and impacts of actions taken; b) contribution to the achievement of the goals of the Strategic Plan of the Convention; c) contribution to progress towards the 2010 target; d) progress in implementing national biodiversity strategies and action plans; e) contribution to the achievement of the Millennium Development Goals; f) constraints encountered in implementation.				
Biological diversity of dry and sub-humid lands				
187. Is your country supporting scientifically, technically and financially, at the levels, the activities identified in the programme of work? (decisions V/23 and VI				
a) No	N/A			
b) Yes (please provide details below)				
Further comments on scientific, technical and financial support, at the national and regional levels, to the activities identified in the programme of work. N/A				
188. Has your country integrated actions under the programme of work of dry and sub-humid lands into its national biodiversity strategies and action plans or the National Action Programme (NAP) of the UNCCD? (decisions V/23, VI/4 and VII/2)				
a) No	N/A			
b) Yes (please provide details below)				
Further comments on actions under the programme of work of dry and sub-humid lands integrated into national biodiversity strategies and action plans or the National Action Programme (NAP) of the UNCCD.				
N/A				

189. Has your country undertaken measures to ensure synergistic/collaborative implementation of the programme of work between the national UNCCD process and other processes under related environmental conventions? (decisions V/23, VI/4 and VII/2)

a) No	N/A	
b) Yes, some linkages established (please provide details below)		
c) Yes, extensive linkages established (please provide details below)		
Further comments on the measures to ensure the synergistic/collaborative improgramme of work between the national UNCCD processes and other procenvironmental conventions.		
N/A		
Programme Part A: Assessment		
190. Has your country assessed and analyzed information on the state of drylar and the pressures on it, disseminated existing knowledge and best practices, gaps in order to determine adequate activities? (Decision V/23, Part A: Asse objective, activities 1 to 6)	and filled knowledge	
a) No	N/A	
b) No, but assessment is ongoing		
c) Yes, some assessments undertaken (please provide details below)		
d) Yes, comprehensive assessment undertaken (please provide details below)		
Further comments on the relevant information on assessments of the sta dissemination of existing knowledge and best practices.	tus and trends and	
N/A		
<u> </u>		
Programme Part B: Targeted Actions		
191. Has your country taken measures to promote the conservation and sub-biological diversity of dry and sub-humid lands and the fair and equitable sharising out of the utilization of its genetic resources, and to combat the loss of dry and sub-humid lands and its socio-economic consequences? (part B of anneactivities 7 to 9)	aring of the benefits biological diversity in	
a) No	N/A	
b) Yes, some measures taken (please provide details below)		
c) Yes, many measures taken (please provide details below)		
Further comments on the measures taken to promote the conservation and subiological diversity of dry and sub-humid lands and the fair and equitable sharising out of the utilization of its genetic resources, and to combat the loss of dry and sub-humid lands and its socio-economic consequences.	aring of the benefits	
N/A		

192. Has your country taken measures to strengthen to enhance the implementation of the programme of we	·		
a) No	N/A		
b) Yes, some measures taken (please provide det	ails below)		
c) Yes, comprehensive measures taken (please pr	ovide details below)		
d) Yes, all identified capacity needs met (please p	rovide details below)		
Further comments on measures taken to strengthen na enhance the implementation of the programme of work			
N/A			

Please elaborate below on the implementation of this programme of work and associated decisions specifically focusing on:

- a) outcomes and impacts of actions taken;
- b) contribution to the achievement of the goals of the Strategic Plan of the Convention;
- c) contribution to progress towards the 2010 target;
- d) progress in implementing national biodiversity strategies and action plans;
- e) contribution to the achievement of the Millennium Development Goals;
- f) constraints encountered in implementation.

		^
N	/	н

Mountain Biodiversity

Programme Element 1. Direct actions for conservation, sustainable use ad benefit sharing		
193. Has your country taken any measures to prevent and mitigate the negative impacts of key threats to mountain biodiversity?		
a) No	N/A	
b) No, but relevant measures are being considered		
c) Yes, some measures taken (please provide details below)		
d) Yes, many measures taken (please provide details below)		
Further comments on the measures taken to prevent and mitigate the negative impacts of key threats to mountain biodiversity		
N/A		

194. Has your country taken any measures to protect, recover and restore mou	ıntain biodiversity?
a) No	N/A
b) No, but some measures are being considered	
c) Yes, some measures taken (please provide details below)	
d) Yes, many measures taken (please provide details below)	
Further comments on the measures taken to protect, recover and restore mount	ain biodiversity
N/A	
195. Has your country taken any measures to promote the sustainable use or resources and to maintain genetic diversity in mountain ecosystems?	f mountain biological
a) No	N/A
b) No, but some measures are being considered	
c) Yes, some measures taken (please provide details below)	
d) Yes, many measures taken (please provide details below)	
Further comments on the measures to promote the sustainable use of mountain and to maintain genetic diversity in mountain ecosystems	n biological resources
N/A	
196. Has your country taken any measures for sharing the benefits arising for mountain genetic resources, including preservation and maintenance of tradition	
a) No	N/A
b) No, but some measures are being considered	
c) Yes, some measures taken (please provide details below)	
d) Yes, many measures taken (please provide details below)	
d) Tes, many measures taken (please provide details below)	
Further comments on the measures for sharing the benefits arising from the u genetic resources	tilization of mountain
Further comments on the measures for sharing the benefits arising from the u	tilization of mountain
Further comments on the measures for sharing the benefits arising from the u genetic resources	tilization of mountain

Programme Element 2. Means of implementation for conservation,		
sustainable use and benefit sharing	acion,	
197. Has your country developed any legal, policy and institutional framework for conservation and sustainable use of mountain biodiversity and for implementing this programme of work?		
a) No		
b) No, but relevant frameworks are being developed		
c) Yes, some frameworks are in place (please provide details below)		
 d) Yes, comprehensive frameworks are in place (please provide details below) 		
Further comments on the legal, policy and institutional frameworks for conservation and sustainable use of mountain biodiversity and for implementing the programme of work on mountain biodiversity.		
N/A		
198. Has your country been involved in regional and/or transboundary cooper mountain ecosystems for conservation and sustainable use of mountain biodivers		
a) No		
b) No, but some cooperation frameworks are being considered		
c) Yes (please provide details below)		
Further information on the regional and/or transboundary cooperative agree ecosystems for conservation and sustainable use of mountain biodiversity	ments on mountain	
N/A		
Programme Element 3. Supporting actions for conservation, sustainable use and benefit sharing		
199. Has your country taken any measures for identification, monitoring mountain biological diversity?	and assessment of	
a) No		
b) No, but relevant programmes are under development		
c) Yes, some measures are in place (please provide details below)		
 d) Yes, comprehensive measures are in place (please provide details below) 		
Further comments on the measures for identification, monitoring and assession	sment of mountain	
N/A		

	as your country taken any measures for improving research, tech tion and capacity building for conservation and sustainable use of mounta	
а) No	
b	No, but relevant programmes are under development	
c)	Yes, some measures are in place (please provide details below)	
ď	Yes, comprehensive measures are in place (please provide details below)	
	comments on the measures for improving research, technical and scien building for conservation and sustainable use of mountain biodiversity	tific cooperation and
N/A		
	as your country taken any measures to develop, promote, validate and ogies for the conservation of mountain ecosystems?	transfer appropriate
a) No	
b) No, but relevant programmes are under development	
c)	Yes, some measures are in place (please provide details below)	
d) Yes, comprehensive measures are in place (please provide details below)	
	comments on the measures to develop, promote, validate and object for the conservation of mountain ecosystems	transfer appropriate
N/A		
Box LXX		
Please el	aborate below on the implementation of this programme of work and ly focusing on:	associated decisions
a)	outcomes and impacts of actions taken;	
b)	contribution to the achievement of the goals of the Strategic Plan of the	Convention;
c) d)	contribution to progress towards the 2010 target; progress in implementing national biodiversity strategies and action plan	ic.
e)	contribution to the achievement of the Millennium Development Goals;	13,
f)	constraints encountered in implementation.	
N/A		

E. OPERATIONS OF THE CONVENTION 202. Has your country actively participated in subregional and regional activities in order to prepare

for Convention meetings and enhance implementation of the Convention? (decision V/20)		
a) No		
b) Yes (please provide details below)	X	
Further comments on the regional and subregional activities in which you involved.	r country has been	
Singapore participates in meetings of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Natur Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Senior Officials on Environment (ASOEN), where the properties of the ASEAN Working Group on Nature Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), which is a subsequent of the ASEAN Working Group on Nature Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), which is a subsequent of the ASEAN Working Group on Nature Biodiversity (AWGNCB) and ASEAN Senior Officials on Environment (ASOEN), which is a subsequent of the ASEAN Senior Officials on Environment (ASOEN), which is a subsequent (ASOEN).		
203. Is your country strengthening regional and subregional cooperation, enhand promoting synergies with relevant regional and subregional processes? (decision		
a) No		
b) Yes (please provide details below)	X	
Further comments on regional and subregional cooperation and processes.		
Singapore is committed to its role in ASEAN forums and welcomes the establishment of the ASEAN Centre for Biodiversity.		
The following question (204) is for DEVELOPED COUNTRIES		
The following question (204) is for DEVELOPED COUNTRIL	ES	
The following question (204) is for DEVELOPED COUNTRICE 204. Is your country supporting the work of existing regional coordination in development of regional and subregional networks or processes? (decision VI/27)	nechanisms and the	
204. Is your country supporting the work of existing regional coordination n	nechanisms and the	
204. Is your country supporting the work of existing regional coordination in development of regional and subregional networks or processes? (decision VI/27	nechanisms and the	
204. Is your country supporting the work of existing regional coordination in development of regional and subregional networks or processes? (decision VI/27 a) No	nechanisms and the	
204. Is your country supporting the work of existing regional coordination in development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide	nechanisms and the	
204. Is your country supporting the work of existing regional coordination in development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide details below)	nechanisms and the B)	
204. Is your country supporting the work of existing regional coordination of development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide details below) d) Yes, some cooperative activities ongoing (please provide details below) Further comments on support for the work of existing regional coordination or	nechanisms and the B)	
204. Is your country supporting the work of existing regional coordination of development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide details below) d) Yes, some cooperative activities ongoing (please provide details below) Further comments on support for the work of existing regional coordination or	nechanisms and the B)	
204. Is your country supporting the work of existing regional coordination of development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide details below) d) Yes, some cooperative activities ongoing (please provide details below) Further comments on support for the work of existing regional coordination or	nechanisms and the B)	
204. Is your country supporting the work of existing regional coordination of development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide details below) d) Yes, some cooperative activities ongoing (please provide details below) Further comments on support for the work of existing regional coordination or	nechanisms and the B) mechanisms and the	
 204. Is your country supporting the work of existing regional coordination of development of regional and subregional networks or processes? (decision VI/27 a) No b) No, but programmes are under development c) Yes, included in existing cooperation frameworks (please provide details below) d) Yes, some cooperative activities ongoing (please provide details below) Further comments on support for the work of existing regional coordination of development of regional and subregional networks or processes. 205. Is your country working with other Parties to strengthen the existing regional regiona	nechanisms and the B) mechanisms and the	

206. Has your country contributed to the assessment of the regional and sub for implementation of the Convention? (decision VI/27 B)	regional mechanisms
a) No	
b) Yes (please provide details below)	X
Further comments on contribution to the assessment of the regional and subregion	onal mechanisms.
Singapore contributes through the ASEAN Centre for Biodiversity (formerly AS for Biodiversity Conservation)	EAN Regional Centre
Box LXXIV.	
Please elaborate below on the implementation of the above decisions specifically f a) outcomes and impacts of actions taken;	ocusing on:
b) contribution to the achievement of the goals of the Strategic Plan of the Convention;	
c) contribution to progress towards the 2010 target;	
d) progress in implementing national biodiversity strategies and action plans;	
e) contribution to the achievement of the Millennium Development Goals;f) constraints encountered in implementation.	
F. COMMENTS ON THE FORMAT	
Box LXXV.	
Please provide below recommendations on how to improve this reporting format.	

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