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*GOVERNMENT OF ANTIGUA AND BARBUDA*

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# ANTIGUA AND BARBUDA THIRD NATIONAL REPORT TO THE CONVENTION OF BIOLOGICAL DIVERSITY

**Completed September 2007**

**Prepared By the Environment Division**

## **Background and Acknowledgement**

Parties to the Convention on Biological Diversity are required to report to the Conference of the Parties in compliance with their obligations under Article 26 of the Convention on Biological Diversity. The following format for the third national report was prepared in accordance with the requirements contained in paragraph 3 of decision VI/25 and paragraphs 2 and 3 of decision VII/25, building on the guidelines for national reports adopted by the Conference of the Parties in paragraph 2 of its decision V/19.

Preparing a report like this is an important task for Antigua and Barbuda and so I would like to take this opportunity to thank all those who have contributed to this effort and since we received comments from over one hundred persons we will not name any one in particular. I would however like to thank the staff of the Environment Division of Antigua and Barbuda, UNDP and the CBD secretariat.

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## A. REPORTING PARTY

Contracting Party	ANTIGUA AND BARBUDA
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Date of submission	

### 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.

**The Report was prepared, by a Consultancy firm with financial assistance from the GEF provided via the UNDP Barbados. The process was initially coordinated by the Environment Division (office of the CBD, and GEF focal point) and later by the Ministry of Foreign Affairs. The process consisted of the review of existing reports, interviews to collect new information. The draft was circulated for comments for over 35 technicians within Government and NGOs. The preparation of this report was conducted at a time when there were significant national activities related to Biodiversity. These activities included the second phase of the Enabling Activity for Biodiversity, the development of the National Capacity Building Report (NCSA),**

**the Development of a full size GEF biodiversity project and the development of national legislation for the protection of the Environment which includes a section on Biodiversity.**

**The report was prepared using documents generated over the past two – three years. The document referenced was developed with extensive consultation with relevant stakeholders (government, private sector and civil society).**

**It took just over a year to prepare the report and consultations included over 95 individuals from government agencies and NGOs. There was limited participation from the private sector but the information gathered was valuable nonetheless.**

## 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.

#### Background on Antigua and Barbuda

The natural vegetation of Antigua was virtually decimated during the sugar production years, most of the coverage is therefore secondary growth, with only a few areas of original growth. Barbuda, however, retains significant samples of its original forest. Antigua and Barbuda has 54 vegetation communities identified, 1158 species (149 families) of plants; 45 species of ferns (5 families); 4 species of gymnosperms (3 families) and 1109 species of angiosperms (141 families); of which 16 are listed as rare, 26 as uncommon and 12 as common. There are some 197 species of flowering plants of which 22 are identified as endemic to the Lesser Antilles (one of which, *Pectis ericifolia* is endemic to Barbuda). 73 are classified as rare, including several that are believed to have become extinct.

There are twenty terrestrial reptile species and sub-species that have been recorded to date, 4 of which are extinct. One, the Racer Snake (*Alsophis antiguae*), exists only on Great Bird Island is considered one of the rarest snakes in the world. The following reptiles are endemic to Antigua and Barbuda: Antiguan ground snake (*Alsophis antillensis antiguae*), Dwarf Woodslave (*Sphaerodactylus elegantulus*), Green lizard (*Anolis bimaculatus leachi*), Lizard (*Anolis wattsi wattsi*), Lizard (*Anolis nubilus*), Ground lizard (*Ameiva griswoldi*) and Ground lizard (*Ameiva pluvianotata atrata*). The only marine reptiles known to nest in Antigua and Barbuda are three species of endangered turtles – the hawksbill (*Eretmochelys imbricata*), green turtle (*Chelonia mydas*) and leatherback (*Dermochelys coriacea*).

Of the 182 species of birds, 20 are considered endemic to the West Indies sub-region, and in some cases, are restricted to the Lesser Antilles (which includes Antigua and Barbuda). The following species are endemic to Antigua and Barbuda: Broad-winged Hawk (*Buteo platypterus insulicola*), Adelaide's Warbler (*Dendroica adelaidae*), and the Pig-faced or Rat Bat (*Brachyphylax cavernarum*).

There is a wide range of globally important terrestrial and marine habitats represented within Antigua and Barbuda, including coral reefs, sea grass beds, lagoons, beaches, mangrove forests, lowland tropical forests, xeric formations and montane forests. These habitats support many globally rare fauna.

There are 36 mangrove sites with four main species; Red Mangrove (*Rhizophora mangle*), Black Mangrove (*Avicennia nitida*), White Mangrove (*Laguncularia racemosa*) and Button Mangrove (*Conocarpus*). These support a wide variety of marine animals (as both habitat and nursery) and act as an excellent filtration system. Seagrass beds are common in shallow coastal areas around both islands and are an important nursery area for juvenile fish and invertebrate species, as well as binding together highly mobile sands and sediments.

Antigua and Barbuda's economy is based on tourism which has its foundation on a pristine environment. Small Business in the areas of agriculture and ecotourism depend on the environment and access to biodiversity for their livelihoods. In the absence of manufacturing the environment then forms the basis of over 75% of the economy.

The Natural Biodiversity of Antigua and Barbuda has been on the decline since colonial days. Further there was the clear cutting of the Forest for the agricultural sector (predominantly sugar production). In addition to and related to productivity of the Agricultural sector numerous species of both flora and fauna were introduced some of which have become invasive and have wiped out indigenous and local species.

After the decline of agriculture as the major economic activity of the Country, the rate of loss of biodiver-

sity declined significantly. This picked up once again with the introduction and spread of the Tourism industry. The development of this sector resulted in the loss of beaches, mangroves and coral reefs. It has reduced the water quality thus reducing the resiliency of ecosystems to bounce back from natural disasters such as hurricanes.

Since ratifying the CBD convention Antigua and Barbuda has made significant efforts to preserve Biodiversity. This effort intensified over the past five years with the passage of and drafting of several pieces of legislation that used a land use approach to Biodiversity protection. This approach has proven to be more effective than traditional approaches of protected areas management.

#### **Priorities for Antigua and Barbuda.**

It is the intention of the Government of Antigua and Barbuda to meet the international targets that were established to reduce and or reverse the decline in biodiversity loss. The NBSAP has been updated to reflect the 2010 targets and these will be incorporated with the budget of relevant agencies. The NBSAP has identified the use of protected areas (both in situ and ex situ), increase formal education and public awareness as the best approaches to meeting this target.

Biodiversity that are of priority to the Country includes the natural fauna and flora as well as agricultural biodiversity and traditional knowledge. In addition the Government is committed to the elaboration and implementation of the Programs of Work for Marine and Coastal Ecosystems and Island Biodiversity.

#### **Conclusion**

Antigua and Barbuda has significant amount of Biodiversity that has recreational, economic, research, medicinal and spiritual value. There has been a steady decline in the amount of and resilience of biodiversity over the past thirty or so years. The rate of decline is steadily increasing due to intense developmental pressures this island state is facing. It is the intention of the Government to find the balance necessary to allow the development the country needs while meeting its national and international targets.

## 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 programs of the work of the Convention.

Article/Provision/Program of Work	Level of Priority		
	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		X	
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			X
g) Article 9 – <i>Ex-situ</i> conservation		X	
h) Article 10 – Sustainable use of components of biological diversity	X		
i) Article 11 - Incentive measures		X	
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	
o) 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	X		
s) Article 21 - Financial mechanism	X		
t) Agricultural biodiversity	X		



u) Forest biodiversity			<b>X</b>
v) Inland water biodiversity			<b>X</b>
w) Marine and coastal biodiversity	<b>X</b>		
x) Dryland and subhumid land biodiversity	<b>X</b>		
y) Mountain biodiversity			<b>X</b>

### 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)

3 = High Challenge					1 = Low Challenge														
2 = Medium Challenge					0 = Challenge has been successfully overcome														
N/A = Not applicable																			
Challenges	Articles																		
	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	1	1	3	1	1	1	2	2	3	2	1	0	1	2	1	2	2	3	
b) Limited public participation and stakeholder involvement	1	2	2	1	1	1	1	1	3	3	3	1	2	2	3	1	3	1	
c) Lack of mainstreaming and integration of biodiversity issues into other sectors	2	1	1	1	1	1	1	3	3	2	1	2	3	3	3	2	2	2	
d) Lack of precautionary and proactive measures	2	2	2	2	3	3	2	3	3	2	2	3	2	3	3	2	3	3	
e) Inadequate capacity to act, caused by institutional weakness	2	3	3	3	3	1	3	3	2	3	1	3	3	3	3	3	3	3	
f) Lack of transfer of technology and expertise	3	3	2	2	2	2	2	2	2	3	1	2	3	3	2	2	3	1	
g) Loss of traditional knowledge	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	1	1	
h) Lack of adequate	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	

scientific research capacities to support all the objectives																		
i) Lack of accessible knowledge and information	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
j) Lack of public education and awareness at all levels	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
k) Existing scientific and traditional knowledge not fully utilized	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
l) Loss of biodiversity and the corresponding goods and services it provides not properly understood and documented	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
m) Lack of financial, human, technical resources	2	2	3	3	3	3	3	3	3	3	1	1	3	3	3	3	3	3
n) Lack of economic incentive measures	2	2	2	2	2	3	3	3	3	3	1	1	2	2	2	2	2	1
o) Lack of benefit-sharing	3	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1
p) Lack of synergies at national and international levels	2	2	1	2	2	2	2	2	2	2	1	1	2	3	2	2	3	2
q) Lack of horizontal cooperation among stakeholders	2	1	1	1	1	1	1	3	1	3	2	2	1	2	3	1	2	2
r) Lack of effective partnerships	3	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
s) Lack of engagement of scientific community	2	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
t) Lack of appropriate policies and laws	2	3	1	3	3	3	3	3	3	3	1	2	2	2	2	2	2	2
u) Poverty	3	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2

v) Population pressure	1	2	2	2	1	1	1	2	2	2	0	2	2	1	1	1	2	2
w) Unsustainable consumption and production patterns	1	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
x) Lack of capacities for local communities	3	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
y) Lack of knowledge and practice of ecosystem-based approaches to management	3	2	1	2	2	2	1	2	2	2	3	1	3	3	3	2	3	3
z) Weak law enforcement capacity	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
aa) Natural disasters and environmental change	0	3	0	2	2	2	3	2	1	1	3	3	1	1	1	1	1	2
bb) Others (please specify)																		

## 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 programs 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.

<b>Goal 1</b>	<b>Promote the conservation of the biological diversity of ecosystems, habitats and biomes.</b>		
<b>Target 1.1</b>	<b>At least ten percent of each of the world's ecological regions effectively conserved</b>		
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.			
<p>The country is setting aside areas for the protection of ecosystems, habitats and biomes to meet as much as possible the International targets. The primary reason of the protection of key ecosystems is more related to economic development and the protection of traditions uses of biodiversity.</p> <p>The establishment of national targets is complicated for political and social reasons. The establishment of national targets will not be productive at this time. It is important to note however that several sectors such as agriculture and Fisheries have indicated targets in draft strategic plans. Although the Targets are generally acceptable and form the basis of work programs, they are yet to be formally adopted.</p> <p>The criteria used are related to the ecological and economic importance of the areas. Antigua and Barbuda's main ecosystems includes; reefs, Mangroves, watersheds, and beaches.</p>			
II) National targets for specific programs 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	X		The protection of all agriculture land and the protection of agriculture genetic material. Currently there is no protection for agricultural land or genetic materials. Legislation is being drafted and is currently undergoing review.
b) Inland water		x	
c) Marine and coastal	X		The protection of all remaining Mangrove Swamps, and beaches.
d) Dry and sub-humid land		x	
e) Forest		x	

f) Mountain		x	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			<b>X</b>
c) Yes, into sectoral strategies, plans and programs			<b>X</b>
Please provide details below.			
<p>The NBSAP is being updated to include the targets as set out in the above mentioned decision. This document is however, still being developed. Other important relevant documents include the recently adopted National Environmental Management Strategy which, although do not have specific targets, identify specific ecosystems for protection, as well as speaks to other targets such as promoting sustainable use and sharing the benefits of genetic resources.</p>			
IV) Please provide information on current status and trends in relation to this target.			
<p>Since COP VII there has been the passage of new legislation that provided a greater level of protection for areas of important biodiversity. Since the passage of this legislation, one area of the country, Codrington Lagoon, the country's largest wetland and home to several endangered bird species has been given full protection and a management plan is being developed. It is anticipated that within the next three years all wetland within the country will be granted similar levels of protection.</p>			
V) Please provide information on indicators used in relation to this target.			
<ul style="list-style-type: none"> <li>• % of area of mangroves and wetlands under protection;</li> <li>• % of Agricultural Land under strict protection from use change; Number of endemic/threatened endemic/vulnerable species;</li> <li>• Size and distribution of protected areas;</li> <li>• % of all ecosystems in protection;</li> <li>• Number and extent of invasive species;</li> <li>• extent of coverage of key ecosystems, including forests, coastal woodlands, mangroves, coral reefs and seagrass beds</li> <li>• population trends of endangered, threatened and commercially important species</li> <li>• water and soil quality, based on trends in the cost of water treatment</li> <li>• proportion of solid and liquid waste that is properly treated or disposed</li> <li>• proportion of regionally important natural and cultural areas under adequate public or private protection</li> <li>• proportion of government agencies and private companies adopting clean technology and sustainable use practices consistent with national policy and legislative frameworks</li> </ul>			
VI) Please provide information on challenges in implementation of this target.			
<p>The major challenges to the conservation of Biodiversity includes:</p> <ul style="list-style-type: none"> <li>• limited land mass on the Islands;</li> <li>• A significant percentage of ecosystems are privately owned. Almost all of the owners intend to develop their property for residential or tourism purposes. A recent estimate of the cost of acquiring these areas placed these at USD230 Million;</li> <li>• Competing demands for development and conservation;</li> </ul>			

- The greatest challenges are reliable and timely access to the funds particularly for the initial demarcation and drafting of legislation and regulations.

VII) Please provide any other relevant information.

**Box IV.**

<b>Target 1.2</b>	<b>Areas of particular importance to biodiversity protected</b>		
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.			
Once again the national target has not been determined however, individual sectors, Fisheries, Forestry, Agriculture and Environment has identified a list of areas of significant for protection and are now taking steps to have them protected. These areas have been identified in 1.1 above.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural	X		As mentioned earlier, agricultural lands are being considered for protection.
b) Inland water		X	
c) Marine and coastal	X		The protection of all remaining wetlands, beaches and watersheds.
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		n/r	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programs			
Please provide details below.			
The NBSAP have identified, mangroves, beached and reefs are areas for protection. All Watersheds have been identified for special management.			

IV) Please provide information on current status and trends in relation to this target.
There is increased public awareness, strengthening of legislation and some capacity building. These however are limited by timely access to funds. Notwithstanding the limited access to funds, there is a definitely a trend in the number and area of ecosystems being placed under some level of protection.
V) Please provide information on indicators used in relation to this target.
VI) Please provide information on challenges in implementation of this target.
The major challenge includes access to funds as well as the capacity required. With the integration Biodiversity within national plans and programs there will need to be an increase in the integration of Biodiversity within the formal education system. This would assist with the building of capacity and awareness.
VII) Please provide any other relevant information.

**Box V.**

<b>Goal 2</b>	<b>Promote the conservation of species diversity</b>	
<b>Target 2.1</b>	<b>Restore, maintain, or reduce the decline of populations of species of selected taxonomic groups</b>	
I) National target: Has a national target been established corresponding to the global target above?		
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.		
There are no national plans to meet this goal. There are however several initiatives, mostly driven by NGOs to address the issue of the decline in Endemic Species.		
One such program is that for the Antigua Racer. This snake is considered the rarest in the world and there is significant effort to protect the current population and to establish a breeding program. This project has been successful with the protection of the breeding grounds and greater national awareness.		
There is an ongoing hawksbill monitoring program on one offshore island. There are general plans for the protection of beaches where turtles nest. These plans are advance but the pace of the work needs to be increase to meet that of the threats to Biodiversity and to meet the 2010 targets.		
Other fauna species have been identified for similar protection but these plans are still under		

development.

There is limited or no legal protection for agricultural species (both flora and fauna). Many of these are kept in Situ and ex situ at some of the Country's agricultural stations.

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

Program of work	Yes	No	Details
a) Agricultural		X	
b) Inland water		X	
c) Marine and coastal		X	
d) Dry and sub-humid land		X	
e) Forest		X	
f) Mountain		X	

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

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

Please provide details below.

As indicated although there are no specific targets identified the country has taken some steps to address the protection of certain species. These included the drafting of legislation for give effect to the CITES convention. This legislation is expected to be passed by the end of 2007.

There is limited inclusion within plans or programs for the protection of agricultural biodiversity.

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

The collection of baseline information has not begun, it is therefore not possible therefore to provide trends.

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

Species richness (number per unit area, number per habitat);  
 Number and extent of invasive species;;  
 Species abundance (number per unit area, number per habitat)

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

The collection and information and the associated cost. There is no research institution on island, the role of data collection and analysis is up to government agencies that are not designed and



funded to do this type of work.

VII) Please provide any other relevant information.

**Box VI.**

<b>Target 2.2</b>		<b>Status of threatened species improved</b>	
I) National target: Has a national target been established corresponding to the global target above?			
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.			
<p>A parties to CITES and Cartagena Conventions Antigua and Barbuda is obligated to provide protection to endangered and rare species. To date however only one species of reptile (Antigua Racer snake) has had active work done.</p> <p>There is limited baseline information of species. It is therefore difficult to determine if there have been any changes in the status of species. There are however some information for Agricultural biodiversity but this is not easily accessible to other agencies.</p>			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		x	
b) Inland water		x	
c) Marine and coastal		x	
d) Dry and subhumid land		x	
e) Forest		x	
f) Mountain		x	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			x
c) Yes, into sectoral strategies, plans and programs			X
Please provide details below.			

As indicated earlier there are limited plans to improve the status of species. Those available are included within the National Environmental Management Strategy and Work Programs of several Government agencies. The inclusion however is not adequate, and not enough funding has been allocated. The rate of implementation therefore will not satisfy the Global targets set for 2010.

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

The collection of baseline information is not complete; it is therefore not possible to identify trends.

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 VII.**

<b>Goal 3</b>	<b>Promote the conservation of genetic diversity</b>		
<b>Target 3.1</b>	<b>Genetic diversity of crops, livestock, and of harvested species of trees, fish and wildlife and other valuable species conserved, and associated indigenous and local knowledge maintained</b>		
I) National target: Has a national target been established corresponding to the global target above?			
a) No			<b>X</b>
b) Yes, the same as the global target			
c) Yes, one or more specific national targets have been established			
Please provide details below.			
There is no set target, but there is considerable effort for the protection of genetic biodiversity within the agricultural sector. Information is limited at this time about the extent of this conservation and the challenges that these efforts face.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		x	
b) Inland water		x	
c) Marine and coastal		x	
d) Dry and subhumid land		x	
e) Forest		x	

f) Mountain		n/r	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			<b>X</b>
c) Yes, into sectoral strategies, plans and programs			
Please provide details below.			
A list of species with agricultural importance is being compiled and will be given special protection under the Environmental Protection and Management Bill currently being drafted.			
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 VIII.**

<b>Goal 4</b>	<b>Promote sustainable use and consumption.</b>		
<b>Target 4.1</b>	<b>Biodiversity-based products derived from sources that are sustainably managed, and production areas managed consistent with the conservation of biodiversity</b>		
I) National target: Has a national target been established corresponding to the global target above?			
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.			
The areas of relevance for this target are, land use, fisheries, agriculture and tourism.			
Although there are not specific targets, legislation is being drafted that requires the sustainable management of natural resources. The specific legislation includes the Fisheries Management Act 2006 and the Physical Planning Act 2003. The draft Environmental Management Bill also provides some protection by address the threats to sustainable use and consumption.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural	X		Plans are being promoted for soil and water conservation by the reduction in the use of pesticides.

b) Inland water		X	
c) Marine and coastal	X		The Fisheries Act and several other pieces of Legislation provide complete protection of reef and fisheries species and provides for the development of management plans that guides uses such as eco-tourism activities.
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		n/r	
<b>III) Has the global or national target been incorporated into relevant plans, programs and strategies?</b>			
a) No			
b) Yes, into national biodiversity strategy and action plan		X	
c) Yes, into sectoral strategies, plans and programs		X	
Please provide details below.			
Sustainable use is being incorporated in all national plans, legislation and policies. There are however limited knowledge on what exactly is sustainable use, it is unclear therefore how this will be implemented.			
<b>IV) Please provide information on current status and trends in relation to this target.</b>			
<b>V) Please provide information on indicators used in relation to this target.</b>			
<b>VI) Please provide information on challenges in implementation of this target.</b>			
There is limited information available to determine if a resource is being used in a sustainable manner. This will require additional funds for research and analysis.			
<b>VII) Please provide any other relevant information.</b>			

**Box IX.**

<b>Target 4.2</b>	<b>Unsustainable consumption, of biological resources, or that impacts upon biodiversity, reduced</b>
<b>I) National target: Has a national target been established corresponding to the global target above?</b>	
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.	
As indicated above it is difficult to determine all aspect of a resource that is being uses unsustainably. There is the issue of Tourism however that is well documented and that has been a	

threat to the sustainable use of biodiversity. To address this there has been efforts to set standards in the area of; Water Quality, sewage discharge, land use and landscaping.

The draft Environmental Management Bill also provides for more specific targets to ensure that Biodiversity is used sustainably. The Bill does this by regulating the threats to Biodiversity. This Bill coupled with others is expected to go a long way to the sustainable use of Biodiversity.

II) National targets for specific programs 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		<b>X</b>	
b) Inland water		<b>X</b>	
c) Marine and coastal		<b>X</b>	
d) Dry and subhumid land		<b>X</b>	
e) Forest		<b>X</b>	
f) Mountain		<b>X</b>	

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

a) No	<b>X</b>
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programs	

Please provide details below.

There are no target per se but the Sustainable Use of Biodiversity is identified within pieces of legislation and work programs in several government agencies.

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.

The general indicators are attached.

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

The collection of baseline data is difficult and there is not enough available to identify trends. As a result anecdotal information provides the best assessment of where we are.

VII) Please provide any other relevant information.

**Box X.**

<b>Target 4.3</b>		<b>No species of wild flora or fauna endangered by international trade</b>	
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.			
CITES legislation is currently being drafted and will be passed by the Parliament by the end of 2007.			
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).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	
b) Inland water		x	
c) Marine and coastal		x	
d) Dry and subhumid land		x	
e) Forest		x	
f) Mountain		x	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan		X	
c) Yes, into sectoral strategies, plans and programs		X	
Please provide details below.			
The CITES obligations are being incorporated into legislation. Further training is being provided for customs and other officials to recognize the endangered species.			
IV) Please provide information on current status and trends in relation to this target.			
This target is being met and there are no species that is threatened by trade.			
V) Please provide information on indicators used in relation to this target.			
The CITES rules are being fully enforced.			
VI) Please provide information on challenges in implementation of this target.			
VII) Please provide any other relevant information.			

**Box XI.**

<b>Goal 5</b>	<b>Pressures from habitat loss, land use change and degradation, and unsustainable water use, reduced.</b>		
<b>Target 5.1</b>	<b>Rate of loss and degradation of natural habitats decreased</b>		
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 have not been set for the protection of critically important ecosystems. Targets are set by various Government departments and these include the protection of all remaining wetlands and coral reefs, beaches and watersheds.			
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).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural	X		
b) Inland water		x	
c) Marine and coastal	x		
d) Dry and subhumid land		x	
e) Forest	x		
f) Mountain		n/r	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programs			X
Please provide details below.			
The Implementation of this global target is dependant of the effective implementation of the Physical Planning Act 2003. This Act provides for the effective protection of areas of land for particular uses. Changes in land use will require a decision of the Parliament.			
The major threat to habitat loss is housing and tourism. There rate of development however far out paces the rate at which the plans for an area to be protected is being developed.			
IV) Please provide information on current status and trends in relation to this target.			
There has been a significant reduction in the rate of change of land use and a corresponding			

reduction in the loss of important habitat. This is linked however to the pause in the development of these areas. Antigua and Barbuda's target for this Goal should be a halt in the loss of habitat since the absolute loss of habitat has been over 60%. The remaining 40% needs absolute protection.

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

See indicators in Target 1.1 above

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

The major challenge is to have the areas delineated, and the fact that many of the areas are privately owned. Other issues include the lack of support from key individuals and the associated political support.

VII) Please provide any other relevant information.

#### Box XII.

<b>Goal 6</b>	<b>Control threats from invasive alien species.</b>		
<b>Target 6.1</b>	<b>Pathways for major potential alien invasive species controlled</b>		
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.			
There is a general policy to prevent the importation of all known invasive species. This policy is being implemented by the establishment of border controls. The Plant Protection Agency is responsible for the effective implementation of this target.			
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	X		
b) Inland water	X		
c) Marine and coastal		X	
d) Dry and subhumid land		X	
e) Forest	X		
f) Mountain		n/r	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			



b) Yes, into national biodiversity strategy and action plan	X
c) Yes, into sectoral strategies, plans and programs	X
Please provide details below.	
This target has been incorporated in the general activities of the Plant protection agency as part of the prevention of the importation of agricultural pests.	
IV) Please provide information on current status and trends in relation to this target.	
This is not a very difficult task since as an island potential species only have a few ports of entry. As a result we have not had a new invasive species for some time. There is a problem however with existing invasive species and the eradication and or control. There have been no policies to address this aspect.	
V) Please provide information on indicators used in relation to this target.	
There is no consensus on this at this time.	
VI) Please provide information on challenges in implementation of this target.	
Many invasive species are considered helpful and many people are not convinced that there is a need for control. In the cases where there is agreement for the need to control, there is limited funds available.	
VII) Please provide any other relevant information.	

**Box XIII.**

<b>Target 6.2</b>	<b>Management plans in place for major alien species that threaten ecosystems, habitats or species</b>		
I) National target: Has a national target been established corresponding to the global target above?			
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.			
There are no general management plans at this time. There are plans for the species related to agricultural invasive species that are considered pest. Antigua and Barbuda will be implementing a national GEF project that will address the issue of one invasive species, Lemon Grass. This activity will be use as part of a pilot from which policies related to invasive species can be addressed. There has been the eradiction of rats from several of the offshore islands. These rats were responsible for the reduction of the Antigua Racer Snake. This activity was rather ad hoc and was not a part of a national invasive species program.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Program of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	
b) Inland water		X	

c) Marine and coastal		X	
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			X
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
Please provide details below.			
IV) Please provide information on current status and trends in relation to this target.			
The incidences of invasive species entering the island have been reduced but not eliminated. There are no coherent management plans however to address existing invasive species. There is therefore no information from which to identify trends.			
V) Please provide information on indicators used in relation to this target.			
These are yet to be agreed to.			
VI) Please provide information on challenges in implementation of this target.			
The target is faced with severe shortage of funds and in some cases interest. Some invasive species are considered to have economic importance and there may be great reluctance to have them eliminated.			
VII) Please provide any other relevant information.			

**Box XIV.**

<b>Goal 7</b>	<b>Address challenges to biodiversity from climate change, and pollution.</b>
<b>Target 7.1</b>	<b>Maintain and enhance resilience of the components of biodiversity to adapt to climate change</b>
I) National target: Has a national target been established corresponding to the global target above?	
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.	
The resilience of Biodiversity is related to ensure that the ecosystem is as healthy as possible. These issues were addressed in Goal 5 above.	

II) National targets for specific programs 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		X	
b) Inland water		X	
c) Marine and coastal		X	
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programs			X
Please provide details below.			
These issues are included in the various national plans and work programs identified in several goals above.			
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 XV.**

<b>Target 7.2</b>	<b>Reduce pollution and its impacts on biodiversity</b>		
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.			
<p>Antigua and Barbuda has adopted international standards such as the World Health Organization for environmental pollution. Enforcement has been weak due to the structure of current legislation. There are new draft legislations to make it easier to enforce standards.</p> <p>New measures have been put in place to limit the generation of solid waste and there are steps to address disposal as well.</p> <p>Since it is in the country's health and economic interest to reduce all pollution there has been considerable efforts in this area.</p>			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	
b) Inland water	X		
c) Marine and coastal	X		
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain			
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programs			X
Please provide details below.			
<p>The targets have been incorporated within the legislation such as the National Solid Waste Act and the Draft National Environmental Management Strategy.</p>			
IV) Please provide information on current status and trends in relation to this target.			
Pollution was on a decline but there seem to be an upsurge of this activity.			
V) Please provide information on indicators used in relation to this target.			

There is still not consensus on the indicators to be used.

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

The challenges are related to poor agency coordination, lack of enforcement of legislation, and legislation that, by design, are difficult to enforce.

VII) Please provide any other relevant information.

**Box XVI.**

<b>Goal 8</b>	<b>Maintain capacity of ecosystems to deliver goods and services and support livelihoods.</b>		
<b>Target 8.1</b>	<b>Capacity of ecosystems to deliver goods and services maintained</b>		
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 maintenance of this target is the same as the protection of the economy. This is therefore a very important target for Antigua and Barbuda. There are however, no specific targets and indicators that will ensure that we are meeting the national targets.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural	X		There are programs for the protection of the soil, these include terracing and rotation of land. There are also plans to reduce the use of pesticides.
b) Inland water		X	
c) Marine and coastal	X		
d) Dry and subhumid land		X	
e) Forest	X		
f) Mountain		n/r	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programs			X
Please provide details below.			

The targets have been incorporated within the Draft environmental management Bill and the Physical Planning Act 2003.

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

There is a slow realization of the link between the environment, biodiversity and the Economy. This had led to a decline in the rate deterioration of biodiversity.

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

As with the other targets there is yet to be clear targets identified and agreed on.

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

The collection of baseline data and research information.

VII) Please provide any other relevant information.

**Box XVII.**

<b>Target 8.2</b>		<b>Biological resources that support sustainable livelihoods, local food security and health care, especially of poor people maintained</b>	
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		<b>X</b>	
c) Yes, one or more specific national targets have been established		<b>X</b>	
Please provide details below.			
Biological resources related to food and sustainable livelihoods have been identified but there is no comprehensive program to protect these. Protection of Biodiversity for Health has not been identified.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural	X		Species related to Agricultural biodiversity had been identified but are yet to be protected.
b) Inland water		X	
c) Marine and coastal	X		Coral Reefs, beaches and mangroves have been identified and the necessary steps for their protection are being taken. Several marine parks have been identified and management plans being developed.
d) Dry and subhumid land		X	
e) Forest	X		
f) Mountain			
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			

b) Yes, into national biodiversity strategy and action plan	X
c) Yes, into sectoral strategies, plans and programs	X
Please provide details below.	
These area of biodiversity have been included within a fisheries management regime and the National Land use plan. There are provisions within the National environmental Management strategy for the protection of biodiversity used for sustainable livelihoods..	
IV) Please provide information on current status and trends in relation to this target.	
There is the understanding that there must be special protection and even financial incentives for the management of ecosystems. The implementation of this is still yet to come. In the interim there has been a decline in the areas identified to be reserved for sustainable or traditional use. Many of these areas are being lost to private development.	
V) Please provide information on indicators used in relation to this target.	
These are yet to be determined.	
VI) Please provide information on challenges in implementation of this target.	
There is limited data on this issue, it is difficult to determine any trends or what is needed for protection. The issue for protection seems to come up at the point when a developed request planning permission. At this point it is more often too late to save the area for traditional use.	
VII) Please provide any other relevant information.	

**Box XVIII.**

<b>Goal 9</b>	<b>Maintain socio-cultural diversity of indigenous and local communities.</b>		
<b>Target 9.1</b>	<b>Protect traditional knowledge, innovations and practices</b>		
I) National target: Has a national target been established corresponding to the global target above?			
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.			
There is limited traditional knowledge and these are yet to be document and assessed. The lack of documentation and assessment makes the reporting or target setting on this area of biodiversity difficult.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	
b) Inland water		X	
c) Marine and coastal		X	

d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			X
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
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.			
There are no indicators established for this target.			
VI) Please provide information on challenges in implementation of this target.			
The collection of baseline data.			
VII) Please provide any other relevant information.			

**Box XIX.**

<b>Target 9.2</b>	<b>Protect the rights of indigenous and local communities over their traditional knowledge, innovations and practices, including their rights to benefit sharing</b>		
I) National target: Has a national target been established corresponding to the global target above?			
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.			
Although there are some informal policies that do provide some protection, these need to be more concrete before there we can claim this as a well thought out policy initiative.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	
b) Inland water		X	



c) Marine and coastal		X	
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			<b>X</b>
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
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.			
There are no indicators adopted at this time.			
VI) Please provide information on challenges in implementation of this target.			
VII) Please provide any other relevant information.			

**Box XX.**

<b>Goal 10</b>	<b>Ensure the fair and equitable sharing of benefits arising out of the use of genetic resources.</b>		
<b>Target 10.1</b>	<b>All transfers of genetic resources are in line with the Convention on Biological Diversity, the International Treaty on Plant Genetic Resources for Food and Agriculture and other applicable agreements</b>		
I) National target: Has a national target been established corresponding to the global target above?			
a) No			<b>X</b>
b) Yes, the same as the global target			
c) Yes, one or more specific national targets have been established			
Please provide details below.			
This issue is in the very early stages of discussions and implementation.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	

b) Inland water		X	
c) Marine and coastal		X	
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			X
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
Please provide details below.			
As mentioned above this goal is in its very early stages of implementation.			
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 XXI.**

<b>Target 10.2</b>	<b>Benefits arising from the commercial and other utilization of genetic resources shared with the countries providing such resources</b>		
I) National target: Has a national target been established corresponding to the global target above?			
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.			
II) National targets for specific programs of work: If such national target(s) ha(s)(ve) been established, please indicate here, and give further details in the box(es).			
<b>Programme of work</b>	<b>Yes</b>	<b>No</b>	<b>Details</b>
a) Agricultural		X	

b) Inland water		X	
c) Marine and coastal		X	
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			X
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
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) Please provide any other relevant information.			

**Box XXII.**

<b>Goal 11</b>	<b>Parties have improved financial, human, scientific, technical and technological capacity to implement the Convention.</b>
<b>Target 11.1</b>	<b>New 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</b>
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	
Please provide details below.	

II) National targets for specific programs 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			
b) Inland water			
c) Marine and coastal			
d) Dry and subhumid land			
e) Forest			
f) Mountain			
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
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) Please provide any other relevant information.			

**Box XXIII.**

<b>Target 11.2</b>	<b>Technology is transferred to developing country Parties, to allow for the effective implementation of their commitments under the Convention, in accordance with its Article 20, paragraph 4</b>		
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			
Please provide details below.			
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			
b) Inland water			
c) Marine and coastal			
d) Dry and subhumid land			
e) Forest			
f) Mountain			
III) Has the global or national target been incorporated into relevant plans, programs and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programs			
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) Please provide any other relevant information.

## 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.

<b>Target 1. A widely accessible working list of known plant species, as a step towards a complete world flora.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXV.**

<b>Target 2. A preliminary assessment of the conservation status of all known plant species, at national, regional and international levels.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	



**Box XXVI.**

<b>Target 3. Development of models with protocols for plant conservation and sustainable use, based on research and practical experience.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXVII.**

<b>Target 4. At least ten percent of each of the world's ecological regions effectively conserved.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXVIII.**

<b>Target 5. Protection of fifty percent of the most important areas for plant diversity assured.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXIX.**

<b>Target 6. At least thirty percent of production lands managed consistent with the conservation of plant diversity.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X

Please specify
There is not enough research or baseline data to make this determination.
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 XXX.**

<b>Target 7. Sixty percent of the world's threatened species conserved <i>In-situ</i>.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 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 *Ex-situ* collections, preferably in the country of origin, and 10 percent of them included in recovery and restoration programs.**

I) Has your country established national target corresponding to the above global target?

a) Yes

b) No

X

Please specify

II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?

a) Yes

b) No

X

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 progress towards the target)

VI) Constraints to achieving progress towards the target

VII) Any other relevant information

**Box XXXII.**

<b>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.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXXIII.**

<b>Target 10. Management plans in place for at least 100 major alien species that threaten plants, plant communities and associated habitats and ecosystems.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXXIV.**

<b>Target 11. No species of wild flora endangered by international trade.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
All Flora and Fauna that are endangered by trade are protected, through the CITES convention. Antigua and Barbuda is a party to this convention and has been implementing its provisions.	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	X
b) No	
Please specify	
As part of the country's obligations to the CITES	
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)	
Draft CITES legislation is prepared and will be sent to Parliament in 2007.	
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.**

<b>Target 12. Thirty percent of plant-based products derived from sources that are sustainably managed.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	<b>X</b>
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	<b>X</b>
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 progress towards the target)	
VI) Constraints to achieving progress towards the target	
VII) Any other relevant information	

**Box XXXVI.**

<b>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.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	x
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	x
Please specify	
III) Current status (please indicate current status related to this target)	
Although there is no baseline data to assess this target it is generally believed that the target is not being met, and there is a continual decline in the Plant resources.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
At this time there are no coherent measures although there are individual agency plans to develop a strategy to achieve these measures.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
There are no indicators are this time, but these will be developed within the next two years.	
VI) Constraints to achieving progress towards the target	
This area, although important cannot be addressed due to shortage of manpower and funds.	
VII) Any other relevant information	

**Box XXXVII.**

<b>Target 14. The importance of plant diversity and the need for its conservation incorporated into communication, educational and public-awareness programs.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	x
b) No	
Please specify	
All Public Relation activities being implemented must contain information related to the protection of biodiversity. This includes the development and management of the CHM and other forms of information dissemination.	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	x
b) No	
Please specify	
Plant conservation is part of all education and public awareness strategy for Biodiversity	
III) Current status (please indicate current status related to this target)	
This strategy designed to address this target is fully implemented the impacts however are not are being measured.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Measures taken to meet this target are: development of text for schools, television shows, and allocation of budget line for this purpose.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
There are no indicators at this time.	
VI) Constraints to achieving progress towards the target	
Limited funding.	
VII) Any other relevant information	

**Box XXXVIII.**

<b>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.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
Please specify	
III) Current status (please indicate current status related to this target)	
There is a loss of trained personnel. This is due mainly to inadequate remuneration for trained persons. The cost of student loans makes it prohibitive for persons to work for the government. Further there is very little opportunity for advancement and equipment is outdated.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
There have been no discussions to date on ways to meet this 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 XXXIX.**

<b>Target 16. Networks for plant conservation activities established or strengthened at national, regional and international levels.</b>	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programs and strategies?	
a) Yes	
b) No	X
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 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.

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## 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.

<b>3. <input checked="" type="checkbox"/></b> <sup>1</sup> 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, but application is under consideration	
c) Yes, some aspects are being applied	
d) Yes, substantially implemented	X

<b>4. <input checked="" type="checkbox"/></b> 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	
d) Yes, practical expressions have been developed for applying most principles of the ecosystem approach	X

<b>5.</b> Is your country strengthening capacities for the application of the ecosystem approach, and providing technical and financial support for capacity-building to apply the ecosystem approach? (decision V/6)	
a) No	
b) Yes, within the country	X
c) Yes, including providing support to other Parties	

<b>6. <input checked="" type="checkbox"/></b> Has your country promoted regional cooperation in applying the ecosystem approach across national borders? (decision V/6)	
a) No	
b) Yes, informal cooperation (please provide details below)	
c) Yes, formal cooperation (please provide details below)	X

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

Further comments on regional cooperation in applying the ecosystem approach across national borders.

As part of the Organization of Eastern Caribbean States (9 state grouping), Antigua and Barbuda is part of the process to develop a Regional Environmental Management Strategy. This strategy has a significant component dedicated to the ecosystems approach to the protection and Management of Biodiversity.

Further Antigua and Barbuda is part of a regional GEF funded project to establish and manage protected ecosystems. Each country is required to identify a protected area.

**7.** Is your country facilitating the exchange of experiences, capacity building, technology transfer and awareness raising to assist with the implementation of the ecosystem approach? (decisions VI/12 and VII/11)

a) No	
b) No, some programs are under development	X
c) Yes, some programs are being implemented (please provide details below)	
d) Yes, comprehensive programs are being implemented (please provide details below)	

Further comments on facilitating the exchange of experiences, capacity building, technology transfer and awareness raising to assist with the implementation of the ecosystem approach.

There is no organized approach to the implementation of this decision. Antigua and Barbuda shares its experiences by participating international documentation and regional project development and Implementation. The country also participate in several expert forum organized by the CBD and other international organization such as IABIN.

Antigua and Barbuda has established a CHM to provide information on it sactivities and experiences.

**8.** Is your country creating an enabling environment for the implementation of the ecosystem approach, including through development of appropriate institutional frameworks? (decision VII/11)

a) No	
b) No, but relevant policies and programs are under development	
c) Yes, some policies and programs are in place (please provide details below)	X
d) Yes, comprehensive policies and programs are in place (please provide details below)	

Further comments on the creation of an enabling environment for the implementation of the ecosystem approach.

Policies for the protection of wetlands, coral reefs are in place and are being implemented. There are however, not policies for Agriculture, and watersheds. This is being addressed by the Development of The Environmental Management Bill.



## C. ARTICLES OF THE CONVENTION

### Article 5 – Cooperation

<b>9. <input checked="" type="checkbox"/> Is your country actively cooperating with other Parties in respect of areas beyond national jurisdiction for the conservation and sustainable use of biological diversity?</b>	
a) No	
b) Yes, bilateral cooperation (please give details below)	
c) Yes, multilateral cooperation (please give details below)	X
d) Yes, regional and/or subregional cooperation (please give details below)	X
e) Yes, other forms of cooperation (please give details below)	X
Further comments on cooperation with other Parties in respect of areas beyond national jurisdiction for the conservation and sustainable use of biodiversity.	
<p>Antigua and Barbuda is a signatory of the SPAW protocol as well as several other international environmental agreements that addresses Biodiversity. Antigua and Barbuda has recently ratified the Ramsar and the CMS conventions. Participation in the multilateral process is high and implementation on the ground, despite the severe lack of funds is going forward.</p> <p>The OECS region of the Caribbean, has signed an agreement called the St. Georges Declaration. This process is a regional approach to the implementation of the BPOA which includes issues related to Biodiversity protection and management.</p>	

<b>10. Is your country working with other Parties to develop regional, subregional or bioregional mechanisms and networks to support implementation of the Convention? (decision VI/27 A)</b>	
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.	
<p>The OECS regional just received funds from the GEF to establish protected areas within the countries. The objectives of this project are geared primarily towards the protection and management of biodiversity.</p>	

**11.** Is your country taking steps to harmonize national policies and programs, 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 programs at the national level.

In addition to that explained in the Box above, Antigua and Barbuda is seeking to harmonize their environmental legislation with other OECS countries. This legislation will reflect those conventions which Antigua and Barbuda is a party.

**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.

**The outcomes of these activities are difficult to say at this time since we only had one years implementation. There is a positive trend however in the protection of Biodiversity but this position is not permanent and can be reversed at anytime.**

**If the activities outlined above area continued and with the proposed intervention by the GEF Antigua and Barbuda will be well on its way to meet the 2010 targets;**

**The impact of the activities on the MDGs has not been determined.**

**The major constraints are access to funding, and trained personnel as well as inherent constraints that is faced by SIDS.**

## Article 6 - General measures for conservation and sustainable use

**12.** Has your country put in place effective national strategies, plans and programs to provide a national framework for implementing the three objectives of the Convention? (Goal 3.1 of the Strategic Plan)


a) No	
b) No, but relevant strategies, plans and programs are under development	
c) Yes, some strategies, plans and programs are in place (please provide details below)	X
d) Yes, comprehensive strategies, plans and programs are in place (please provide details below)	

Further comments on the strategies, plans and programs for implementing the three objectives of the Convention.

The Government has formulated several plans at the national and regional level to draft policy guidelines as well as draft legislation to give effect to Article 6 of the Convention.

These documents include the National Environmental Management Strategy, The NBSAP, the Draft Environmental Management Bill, the Fisheries Management Act 2005; the and the Regional Environmental Management Strategy and the Physical Planning Act 2003; and the draft Agriculture Policy.

These policy and legal framework provides for the protection and management of biodiversity as well as the access of local people to benefits that accrue from the protection and management of Biodiversity.

**13.**  Has your country set measurable targets within its national strategies and action plans? (decisions II/7 and III/9)

a) No	
b) No, measurable targets are still in early stages of development	X
c) No, but measurable targets are in advanced stages of development	
d) Yes, relevant targets are in place (please provide details below)	
e) Yes, reports on implementation of relevant targets available (please provide details below)	

Further comments on targets set within national biodiversity strategies and action plans.

The indicators have just been identified and in the process of being finalized.

**14.** Has your country identified priority actions in its national biodiversity strategy and action plan? (decision VI/27 A)

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 strategy and action plan.

Priority actions include in situ conservation, agricultural biodiversity and the sustainable use of coastal resources. The priorities include capacity building in the areas of legislation and institutional organization.

**15.** Has your country integrated the conservation and sustainable use of biodiversity as well as benefit sharing into relevant sectoral or cross-sectoral plans, programs and policies? (decision VI/27 A)

a) No	
b) Yes, in some sectors (please provide details below)	X
c) Yes, in major sectors (please provide details below)	
d) Yes, in all sectors (please provide details below)	

Further information on integration of the conservation and sustainable use of biodiversity and benefit-sharing into relevant sectoral or cross-sectoral plans, programs and policies.

The NBSAP has been integrated within the Physical Planning Act, the Draft Environmental Management Bill and is a guide for the Ministry of finance in the program budgeting process.

**16.** Are migratory species and their habitats addressed by your country's national biodiversity strategy or action plan (NBSAP)? (decision VI/20)

a) Yes	
b) No	X

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	
(c) Minimizing or eliminating barriers or obstacles to migration	
(d) Research and monitoring for migratory species	
(e) Transboundary movement	

II) If **NO**, please briefly indicate below

III)

(a) The extent to which your country addresses migratory species at national level	These are address in the same manner as local species.
(b) Cooperation with other Range States since 2000	There are no formal cooperation, but Antigua and Barbuda is not a Party to the CMS, and has intentions to cooperate with other states within this framework.

## Biodiversity and Climate Change

<b>17.</b> 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	X
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 climate change that incorporate biodiversity conservation and sustainable use.	
<p>The projects and programs mainly involve Public Awareness and education. There has been extensive PA on the issue of climate change particularly with respect to extreme weather events. Antigua and Barbuda is prone to hurricanes, and drought, weather events linked to changes in climate.</p> <p>There have been considerable resources dedicated to the institutionalized the information gathered as part of the National Communication process.</p> <p>At the Regional level Antigua and Barbuda has participated in the GEF funded CPACC project and this project has been extend to the MACC project.</p>	

<b>18.</b> Has your country facilitated coordination to ensure that climate change mitigation and adaptation projects are in line with commitments made under the United Nations Framework Convention on Climate Change and the United Nations Convention to Combat Desertification? (decision VII/15)	
a) No	
b) No, but relevant mechanisms are under development	
c) Yes, relevant mechanisms are in place (please provide details below)	X
Further comments on the coordination to ensure that climate change mitigation and adaptation projects are in line with commitments made under the UNFCCC and the UNCCD.	
<p>The institutional arrangements have been put in place to provide coordination for these two areas. One agency, the Environment Division is the focal point for both conventions and set the work program for the convention.</p> <p>The Meteorological office is responsible for IPCC and they communicate closely with the office of the focal point.</p>	

### Box XLII.

<p>Please elaborate below on the implementation of this article and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> <li>a) outcomes and impacts of actions taken;</li> <li>b) contribution to the achievement of the goals of the Strategic Plan of the Convention;</li> <li>c) contribution to progress towards the 2010 target;</li> <li>d) progress in implementing national biodiversity strategies and action plans;</li> <li>e) contribution to the achievement of the Millennium Development Goals;</li> <li>f) constraints encountered in implementation.</li> </ul>
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**Actions taken so can be categorized as public awareness, information gathering and mainstreaming into the school curricular. So far the impact has been positive with a high percentage of the population aware of the issues of climate change and the impacts it will have on ecosystems.**

**The increase awareness of these issues and the links to he livelihood of nationals has made it possible to get action at the highest level.**

## **Article 7 - Identification and monitoring**

**19.**  On Article 7(a), does your country have an ongoing programme to identify components of biological diversity at the genetic, species, ecosystem level?

a) No	
b) Yes, selected/partial programs at the genetic, species and/or ecosystem level only (please specify and provide details below)	X
c) Yes, complete programs at ecosystem level and selected/partial inventories at the genetic and/or species level (please specify and provide details below)	X

Further comments on ongoing programs to identify components of biodiversity at the genetic, species and ecosystem level.

There are programs for inventory of ecosystems. There are some programs for species level assessment but these are ad hoc and dependent on overseas universities to assist in this manner.

The Ministry of Agriculture has some important collection of agricultural biodiversity.

There is a long standing sea turtle monitoring program on one of the offshore islands and a Monitoring program for Antigua Racer, one of the most rare of snakes.

**20.**  On Article 7(b), which components of biological diversity identified in accordance with Annex I of the Convention, have ongoing, systematic monitoring programs?

a) at ecosystem level (please provide percentage based on area covered)	X
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 programs )	X

Further comments on ongoing monitoring programs at the genetic, species and ecosystem level.

All remaining Forest Mangroves , and beaches are monitored. Species monitored are mostly related to fisheries and since this is a reef fishery there are many species. The genetic programs are related to Agricultural Species.

**21. ❖** On Article 7(c), does your country have ongoing, systematic monitoring programs on any of the following key threats to biodiversity?

a) No	
b) Yes, invasive alien species (please provide details below)	X
c) Yes, climate change (please provide details below)	
d) Yes, pollution/eutrophication (please provide details below)	
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 programs on key threats to biodiversity.

Invasive alien species that are monitored are these that are a threat to Agricultural Biodiversity. There is an inventory of ecosystems and this is keep up to date.

**22. ❖** On Article 7 (d), does your country have a mechanism to maintain and organize data derived from inventories and monitoring programs and coordinate information collection and management at the national level?

a) No	X
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)	
e) Yes, a relatively complete system is in place (please provide details below)	

Further information on the coordination of data and information collection and management.

**23. ❖** Does your country use indicators for national-level monitoring of biodiversity? (decision III/10)

a) No	
b) No, but identification of potential indicators is under way (please describe)	X
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.

A list of Indicators have been identified and are undergoing a period of consultation:

**Box XLIII.**

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.

**The Implementation of this Article****Decisions on Taxonomy**

**24.**  Has your country developed a plan to implement the suggested actions as annexed to decision IV/1? (decision IV/1)

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.

In support of this decision the Government is working to allocate resources to a new botanical Garden. This entity is expected to become the focal point for the global taxonomic initiative.

Management of Biodiversity in Antigua and Barbuda relies heavily on traditional knowledge. There is no attempt at this time to catalogue, this knowledge.

**25.**  Is your country investing on a long-term basis in the development of appropriate infrastructure for your national taxonomic 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.

There is some limited infrastructure for taxonomy for Agricultural specimen. These however are poorly maintained. There is the will to invest these funds but there are limited funds available.



<b>26. ♦</b> Does your country provide training programs in taxonomy and work to increase its capacity of taxonomic research? (decision IV/1)	
a) No	X
b) Yes (please provide details below)	
Further information on training programs in taxonomy and efforts to increase the capacity of taxonomic research.	

<b>27. ♦</b> Has your country taken steps to ensure that institutions responsible for biological diversity inventories and taxonomic activities are financially and administratively stable? (decision IV/1)	
a) No	X
b) No, but steps are being considered	
c) Yes, for some institutions	
d) Yes, for all major institutions	

<b>28.*<sup>2</sup></b> Is your country collaborating with the existing regional, subregional and global initiatives, partnerships and institutions in carrying out the programme of work, including assessing regional taxonomic needs and identifying regional-level priorities? (decision VI/8)	
a) No	X
b) No, but collaborative programs are under development	
c) Yes, some collaborative programs are being implemented (please provide details about collaborative programs, including results of regional needs assessments)	
d) Yes, comprehensive collaborative programs are being implemented (please provide details about collaborative programs, including results of regional needs assessment and priority identification)	
Further information on the collaboration your country is carrying out to implement the programme of work for the GTI, including regional needs assessment and priority identification.	
The capacity for this work is not well developed in Antigua and Barbuda so the contribution to the regional process is not as significant as those countries with University and other research institutions.	

<sup>2</sup> 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.

**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)

a) No	
b) Yes, basic assessment made (please provide below a list of needs and capacities identified)	X
c) Yes, thorough assessment made (please provide below a list of needs and capacities identified)	

Further comments on national assessment of taxonomic needs and capacities.

These assessments are for basic decision making but the area of legislation and research are severely limiting.

**30. \*** Is your country working on regional or global capacity building to support access to, and generation of, taxonomic information in collaboration with other Parties? (annex to decision VI/8)

a) No	X
b) Yes, relevant programs are under development	
c) Yes, some activities are being undertaken for this purpose (please provide details below)	
d) Yes, many activities are being undertaken for this purpose (please provide details below)	

Further comments on regional or global capacity-building to support access to, and generation of, taxonomic information in collaboration with other Parties.

**31. \*** Has your country developed taxonomic support for the implementation of the programs of work under the Convention as called upon in decision VI/8? (annex to decision VI/8)

a) No	X
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)	

Further comments on the development of taxonomic support for the implementation of the programs of work under the Convention.



**32. \*** Has your country developed taxonomic support for the implementation of the cross-cutting issues under the Convention as called upon in decision VI/8?

a) No	X
b) Yes, for access and benefit-sharing (please provide details below)	
c) Yes, for Article 8(j) (please provide details below)	
d) Yes, for the ecosystem approach (please provide details below)	
e) Yes, for impact assessment, monitoring and indicators (please provide details below)	
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.

**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	X
c) Yes, some measures undertaken (please provide details below)	
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.

Draft legislation has been developed that specifically targets Biodiversity at the national level. This legislation provides for the implementation of all three objectives of the convention.

The Physical Planning Act (2003) provides the basis for the implementation of this Article. The next step needed however have not been taken. These include the development of Local Area Plans and related management plans. This Act provides for the protection of agricultural lands and ecosystems important to biodiversity.

**34. ♦** On Article 8(k), has your country developed or maintained the necessary legislation and/or other regulatory provisions for the protection of threatened species and populations?

a) No	
b) No, but legislation is being developed	X
c) Yes, legislation or other measures are in place (please provide details below)	

Further information on the legislation and/or regulations for the protection of threatened species and populations.

Draft legislation for Environmental Management is now before the Attorney's general office and should be passed in 2007.

**35. ♦** On Article 8(l), does your country regulate or manage processes and categories of activities identified under Article 7 as having significant adverse effects on biological diversity?

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 categories of activities identified by Article 7 as having significant adverse effects on biodiversity.

**Box XLIV.**

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

### Programme of Work on Protected Areas (Article 8 (a) to (e))

<b>36.</b> Has your country established suitable time bound and measurable national-level protected areas targets and indicators? (decision VII/28)	
a) No (please specify reasons)	X
b) No, but relevant work is under way	
c) Yes, some targets and indicators established (please provide details below)	
d) Yes, comprehensive targets and indicators established (please provide details below)	
Further comments on targets and indicators for protected areas.	

<b>37.</b> Has your country taken action to establish or expand protected areas in any large or relatively unfragmented natural area or areas under high threat, including securing threatened species? (decision VII/28)	
a) No	
b) No, but relevant programs are under development	
c) Yes, limited actions taken (please provide details below)	X
d) Yes, significant actions taken (please provide details below)	
Further comments on actions taken to establish or expand protected areas.	
<p>Sites have been identified and even demarcated but there is limited management capability at this time as well as inadequate legislation and financial resources for its implementation. These limitations are being address with financial assistance from the international community.</p>	

<b>38.</b> Has your country taken any action to address the under representation of marine and inland water ecosystems in the existing national or regional systems of protected areas? (decision VII/28)	
a) No	
b) Not applicable	X
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)	
Further comments on actions taken to address the under representation of marine and inland water ecosystems in the existing national or regional systems of protected areas.	
Not applicable.	

<b>39. Has your country identified and implemented practical steps for improving the integration of protected areas into broader land and seascapes, including policy, planning and other measures? (decision VII/28)</b>	
a) No	
b) No, but some programs are under development	
c) Yes, some steps identified and implemented (please provide details below)	X
d) Yes, many steps identified and implemented (please provide details below)	
Further comments on practical steps for improving integration of protected areas into broader land and seascapes, including policy, planning and other measures.	
Protected areas have been identified within the physical planning Act (2003), but most of them are being declared and managed under Fisheries Act and Forestry Act for example. These Acts does not promote and integrated approach to the management of Protected areas as much as the Physical Planning Act does. However there are steps to remedy this situation with more and more of the protected areas being declared under the Physical Planning Act where it can be integrated in the national land use plan and local area plans.	

<b>40. Is your country applying environmental impact assessment guidelines to projects or plans for evaluating effects on protected areas? (decision VII/28)</b>	
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)	X
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 to projects or plans for evaluating effects on protected areas.	
Yes it is being applied to some projects but not to Plans. The Physical Planning Act provides for EIA to be applied to a list of projects, but plans such as land use plans and housing projects are not subjected to an EIA unless otherwise required by the Minister responsible for Physical Planning or the Environment.	

<b>41. Has your country identified legislative and institutional gaps and barriers that impede effective establishment and management of protected areas? (decision VII/28)</b>	
a) No	
b) No, but relevant work is under way	X
c) Yes, some gaps and barriers identified (please provide details below))	
d) Yes, many gaps and barriers identified (please provide details below)	
Further comments on identification of legislative and institutional gaps and barriers that impede effective establishment and management of protected areas.	
This process has only just started and there is not enough information for provide details here.	





<b>42. Has your country undertaken national protected-area capacity needs assessments and established capacity building programs? (decision VII/28)</b>	
a) No	
b) No, but assessments are under way	
c) Yes, a basic assessment undertaken and some programs established (please provide details below)	X
d) Yes, a thorough assessment undertaken and comprehensive programs established (please provide details below)	
Further comments on protected-area capacity needs assessment and establishment of capacity building programs.	
A basic assessment has been initiated under a regional GEF project (OPAAL) being implemented by the World Bank, but the information is not ready for dissemination.	

<b>43. Is your country implementing country-level sustainable financing plans that support national systems of protected areas? (decision VII/28)</b>	
a) No	
b) No, but relevant plan is under development	X
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 plans that support national systems of protected areas.	
Same as above.	

<b>44. Is your country implementing appropriate methods, standards, criteria and indicators for evaluating the effectiveness of protected areas management and governance? (decision VII/28)</b>	
a) No	
b) No, but relevant methods, standards, criteria and indicators are under development	X
c) Yes, some national methods, standards, criteria and indicators developed and in use (please provide details below)	
d) Yes, some national methods, standards, criteria and indicators 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 of protected areas management and governance.	
Same as above.	

**Box XLV.**

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.

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### Article 8(h) - Alien species

**45.** Has your country identified alien species introduced into its territory and established a system for tracking the introduction of alien species?

a) No	X
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.**  Has your country assessed the risks posed to ecosystems, habitats or species by the introduction of these alien species?

a) No	
b) Yes, but only for some alien species of concern (please provide details below)	X
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 introduction of these alien species.

There have been some efforts to identify invasive species, but these are mostly in the area of agriculture. There is no database however where this information is readily accessible.

**47. ♦** Has your country undertaken measures to prevent the introduction of, control or eradicate, those alien species which threaten ecosystems, habitats or species?

a) No	
b) No, but potential measures are under consideration	
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 prevent the introduction of, control or eradicate those alien species that threaten ecosystems, habitats or species.

These measures are included as the regular phytosanitary procedures for agricultural pest. This has not been widened to include other species.

**48. ♦** In dealing with the issue of invasive species, has your country developed, or involved itself in, mechanisms for international cooperation, including the exchange of best practices? (decision V/8)

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 and bio-geographical approaches as appropriate in its work on alien invasive species? (decision V/8)

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

Further comments on the use of the ecosystem approach and precautionary and bio-geographical approaches in work on alien invasive species.

There are regional organizations that address phytosanitary issues. There are regional and international guidelines for the movement of species to prevent the movement of species that are harmful to agriculture species.

<b>50.</b> Has your country identified national needs and priorities for the implementation of the Guiding Principles? (decision VI/23)	
a) No	X
b) No, but needs and priorities are being identified	
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.	

<b>51.</b> Has your country created mechanisms to coordinate national programs for applying the Guiding Principles? (decision VI/23)	
a) No	X
b) No, but mechanisms are under development	
c) Yes, mechanisms are in place (please provide details below)	
Further comments on the mechanisms created to coordinate national programs for implementing the Guiding Principles.	

<b>52.</b> Has your country reviewed relevant policies, legislation and institutions in the light of the Guiding Principles, and adjusted or developed policies, legislation and institutions? (decision VI/23)	
a) No	X
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 institutions in light of the Guiding Principles.	

<b>53. Is your country enhancing cooperation between various sectors in order to improve prevention, early detection, eradication and/or control of invasive alien species? (decision VI/23)</b>	
a) No	X
b) No, but potential coordination mechanisms are under consideration	
c) Yes, mechanisms are in place (please provide details below)	
Further comments on cooperation between various sectors.	

<b>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)</b>	
a) No	
b) Yes, relevant collaborative programs are under development	
c) Yes, relevant programs are in place (please specify below the measures taken for this purpose)	X
Further comments on collaboration with trading partners and neighboring countries.	
These programs are limited to those for phytosanitary issues only.	

<b>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)</b>	
a) No	X
b) No, but programs for this purpose are under development	
c) Yes, some activities for developing capacity in this field are being undertaken (please provide details below)	
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	X
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.

The measures are mainly command and control.

**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.

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**Article 8(j) - Traditional knowledge and related provisions**

**GURTS**

**57.** Has your country created and developed capacity-building programs 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	X
b) No, but some programs are under development	
c) Yes, some programs are in place (please provide details below)	
d) Yes, comprehensive programs are in place (please provide details below)	

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

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### Status and Trends

<b>58.</b> 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	X
b) No, but support to relevant studies is being considered	
c) Yes (please provide information on the studies undertaken)	
Further information on the studies undertaken to determine the status, trends and threats related to the knowledge, innovations and practices of indigenous and local communities, and priority actions identified.	
We do not have any indigenous communities, but our agricultural communities do get significant support from the Government. The support however is not necessarily in the above mentioned area.	

### Akwé:Kon Guidelines

<b>59.</b> 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	X
b) No, but review is under way	
c) Yes, a review undertaken (please provide details on the review)	
Further information on the review.	

<b>60.</b> 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	X
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.	

## Capacity Building and Participation of Indigenous and Local Communities

<b>61.</b> 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	
b) No, but some programs being developed	X
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 indigenous and local communities.	
NGOs and Community groups are consulted on a regular basis and they even participate in Technical Advisory meetings. Since most of these person volunteer their time this type of support is not always effective.	

<b>62.</b> Has your country developed appropriate mechanisms, guidelines, legislation or other initiatives to foster and promote the effective participation of indigenous and local communities in decision making, policy planning and development and implementation of the conservation and sustainable use of biodiversity at international, regional, subregional, national and local levels? (decision V/16)	
a) No	X
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.	
These are under development.	

<b>63.</b> 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	X
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.	
The involvement of women is at the same leve there are no programs to target women.	



### Support to implementation

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

<b>65.</b> 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	
b) Yes (please provide details about the outcome of meetings)	X

Further information on the outcome of regional meetings.

The Government with assistance from the GEF has upgraded the National Museum which is located within the city to assist groups that would like to host large meetings. The government also provides considerable assistance to groups that want to build community centers.

<b>66.</b> 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	X
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.

The Government financed the development of a consultation strategy for NGOs and community groups. This strategy is being taken into consideration in the drafting of the Environmental Management Bill.

#### **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.

**Antigua and Barbuda has not done much in this area since there is no indigenous population. The local population however is not organized in a manner that can facilitate the implementation of the decisions above. This will take a much longer period for organization and then capacity building.**

## Article 9 - *Ex-situ* conservation

<b>67. <input checked="" type="checkbox"/></b> On Article 9(a) and (b), has your country adopted measures for the <i>ex-situ</i> conservation of components of biological diversity native to your country and originating outside your country?	
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 measures are in place (please provide details below)	
Further information on the measures adopted for the <i>ex-situ</i> conservation of components of biodiversity native to your country and originating outside your country.	
There are options available for mainly agricultural biodiversity and plant species within Botanical Garden.	

<b>68. <input checked="" type="checkbox"/></b> On Article 9(c), has your country adopted measures for the reintroduction of threatened species into their natural habitats under appropriate conditions?	
a) No	X
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 comments on the measures for the reintroduction of threatened species into their natural habitats under appropriate conditions.	

<b>69. <input checked="" type="checkbox"/></b> On Article 9(d), has your country taken measures to regulate and manage the collection of biological resources from natural habitats for <i>ex-situ</i> conservation purposes so as not to threaten ecosystems and <i>in-situ</i> populations of species?	
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 <i>ex-situ</i> conservation purposes so as not to threaten ecosystems and <i>in-situ</i> populations of species.	

**Box XLVIII.**

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.

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### Article 10 - Sustainable use of components of biological diversity

**70.**  On Article 10(a), has your country integrated consideration of the conservation and sustainable use of biological resources into national decision-making?

a) No	
b) No, but steps are being taken	X
c) Yes, in some relevant sectors (please provide details below)	
d) Yes, in most relevant sectors (please provide details below)	

Further information on integrating consideration of conservation and sustainable use of biological resources into national decision-making.


The first steps in this regard are national awareness and integration within the education system. This program is underway but it is only at it preliminary stage.

**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)	X
d) Yes, comprehensive measures are in place (please provide details below)	


Further information on the measures adopted relating to the use of biological resources that avoid or minimize adverse impacts on biological diversity.

Biodiversity issues are being integrated into the physical planning process and into the EIA guidelines.

**72.**  On Article 10(c), has your country put in place measures that protect and encourage customary use of biological resources that is compatible with conservation or sustainable use requirements?


a) No	X
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 customary use of biological resources that is compatible with conservation or sustainable use requirements.

**73.**  On Article 10(d), has your country put in place measures that help local populations develop and implement remedial action in degraded areas where biological diversity has been reduced?

a) No	X
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 help local populations develop and implement remedial action in degraded areas where biodiversity has been reduced.

**74.**  Has your country identified indicators and incentive measures for sectors relevant to the conservation and sustainable use of biodiversity? (decision V/24)

a) No	X
b) No, but assessment of potential indicators and incentive measures is under way	
c) Yes, indicators and incentive measures identified (please describe below)	

Further comments on the identification of indicators and incentive measures for sectors relevant to the conservation and sustainable use of biodiversity.

**75.**  Has your country implemented sustainable use practices, programs and policies for the sustainable use of biological diversity, especially in pursuit of poverty alleviation? (decision V/24)

a) No	X
b) No, but potential practices, programs and policies are under review	
c) Yes, some policies and programs are in place (please provide details below)	
d) Yes, comprehensive policies and programs are in place (please provide details below)	
Further information on sustainable use programs and policies.	

**76.**  Has your country developed or explored mechanisms to involve the private sector in initiatives on the sustainable use of biodiversity? (decision V/24)


a) No	
b) No, but mechanisms are under development	X
c) Yes, mechanisms are in place (please describe below)	
Further comments on the development of mechanisms to involve the private sector in initiatives on the sustainable use of biodiversity.	
There are some members of the private sector that are interested in the sustainable use of Biodiversity but there is limited mechanism for the form involvement of the sector.	


**77.** Has your country initiated a process to apply the Addis Ababa Principles and Guidelines for the Sustainable Use of Biodiversity? (decision VII/12)

a) No	X
b) No, but the principles and guidelines are under review	
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 and Guidelines for the Sustainable Use of Biodiversity.	

<b>78.</b> Has your country taken any initiative or action to develop and transfer technologies and provide financial resources to assist in the application of the Addis Ababa Principles and Guidelines for the Sustainable Use of Biodiversity? (decision VII/12)	
a) No	X
b) No, but relevant programs 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 provision of financial resources to assist in the application of the Addis Ababa Principles and Guidelines for the Sustainable Use of Biodiversity.	

### Biodiversity and Tourism

<b>79.</b>  Has your country established mechanisms to assess, monitor and measure the impact of tourism on biodiversity?	
a) No	X
b) No, but mechanisms are under development	
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 measure the impact of tourism on biodiversity.	

<b>80.</b>  Has your country provided educational and training programs to the tourism operators so as to increase their awareness of the impacts of tourism on biodiversity and upgrade the technical capacity at the local level to minimize the impacts? (decision V/25)	
a) No	
b) No, but programs are under development	X
c) Yes, programs are in place (please describe below)	
Further comments on educational and training programs provided to tourism operators.	
Some NGOs are working with relevant persons within the sector to educate them on the importance of Biodiversity and the impacts of tourism. Some sectors of the Government are working to request certificated for tour guides.	

**81.** Does your country provide indigenous and local communities with capacity-building and financial resources to support their participation in tourism policy-making, development planning, product development and management? (decision VII/14)

a) No	
b) No, but relevant programs are being considered	
c) Yes, some programs are in place (please provide details below)	X
d) Yes, comprehensive programs are in place (please provide details below)	

Further comments in the capacity-building and financial resources provided to indigenous and local communities to support their participation in tourism policy-making, development planning, product development and management.

Some local communities are represented on boards etc, but these programs are very limited.

**82.** Has your country integrated the Guidelines on Biodiversity and Tourism Development in the development or review of national strategies and plans for tourism development, national biodiversity strategies and actions plans, and other related sectoral strategies? (decision VII/14)

a) No, but the guidelines are under review	
b) No, but a plan is under consideration to integrate some principles of the guidelines into relevant strategies	X
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 Biodiversity and Tourism Development are integrated.

Some of these were taken into consideration during the Development of the Draft Environmental Management Bill.

**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;
- 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.

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## Article 11 - Incentive measures

<b>83. ♦</b> Has your country established programs to identify and adopt economically and socially sound measures that act as incentives for the conservation and sustainable use of components of biological diversity?	
a) No	
b) No, but relevant programs are under development	X
c) Yes, some programs are in place (please provide details below)	
d) Yes, comprehensive programs are in place (please provide details below)	
Further comments on the programs to identify and adopt incentives for the conservation and sustainable use of biodiversity.	
These programs are in place but they are ad hoc. It is hoped that the passage of the new Environmental Legislation that this will be possible.	

<b>84. ♦</b> Has your country developed the mechanisms or approaches to ensure adequate incorporation of both market and non-market values of biological diversity into relevant plans, policies and programs and other relevant areas? (decisions III/18 and IV/10)	
a) No	X
b) No, but relevant mechanisms are under development	
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 non-market values of biodiversity into relevant plans, policies and programs.	

<b>85. ♦</b> Has your country developed training and capacity-building programs to implement incentive measures and promote private-sector initiatives? (decision III/18)	
a) No	X
b) No, but relevant programs are under development	
c) Yes, some programs are in place	
d) Yes, many programs are in place	



**86.** Does your country take into consideration the proposals for the design and implementation of incentive measures as contained in Annex I to decision VI/15 when designing and implementing incentive measures for the conservation and sustainable use of biodiversity? (decision VI/15)

a) No	
b) Yes (please provide details below)	X
Further information on the proposals considered when designing and implementing the incentive measures for the conservation and sustainable use of biodiversity.	
These were taken into consideration when designing the draft legislation.	

**87.** Has your country made any progress in removing or mitigating policies or practices that generate perverse incentives for the conservation and sustainable use of biological diversity? (decision VII/18)

a) No	X
b) No, but identification of such policies and practices is under way	
c) 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.

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## Article 12 - Research and training

**88.**  On Article 12(a), has your country established programs for scientific and technical education and training in measures for the identification, conservation and sustainable use of biological diversity and its components?

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

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

Research activities are still very limited, but steps are being taken to work with international and regional universities (Antigua and Barbuda does not have up to university level of education) to have students conduct their research work in Antigua and Barbuda. This is however a very expensive exercise and it is only possible to accommodate few students.

Training is something ongoing and there is a firm policy to train persons to the highest level possible.

**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.

Yes we do but we have a long way to go to institutionalize this policy.

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

**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.

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### 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.

Antigua and Barbuda conducted extensive public awareness and public participation activities in support of the Convention. The activities included

- hiring a teacher with no knowledge of biodiversity to work with schools and a variety of audiences; included top policy makers;
- designing a television program that built on the work being conducted within schools;
- Conducting a national PA program that focused on biodiversity and it's importance to Human wellbeing and livelihoods;
- Influencing the formal education program – curricula and production of texts:

Though biodiversity is now included as a specific topic in the science curriculum of secondary and increasing emphasis being placed on this through the topics chosen for school based assessments. A series text books based on local knowledge and tailored to suit the national setting are being produced for primary schools. The science curriculum was reviewed and environment

**92.** Is your country undertaking any activities to facilitate the implementation of the program 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 programs are under development	
c) Yes, some activities are being undertaken (please provide details below)	X
d) Yes, many activities are being undertaken (please provide details below)	

Further comments on the activities to facilitate the implementation of the program of work on CEPA.

Antigua and Barbuda was directly involved in the development of the Program of Work on CEPA by the participation in expert meetings and the presentation of its own experience at these meetings. Antigua and Barbuda is one of the few countries to have developed its own CEPA strategy in response to the recently adopted program of work.

**93.** Is your country strongly and effectively promoting biodiversity-related issues through the press, the various media and public relations and communications networks at national level? (decision VI/19)

a) No	
b) No, but some programs 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 press, the various media and public relations and communications networks at national level.

The CBD focal point is now working with the local media to have predictable and dedicated times available for programs related to Biodiversity. Other activities that have been implemented and planned includes:

- Organize for various experts to participate in radio programs;
- Workshops for media personnel;
- Production of own material for news segments;

**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 public awareness of biodiversity at the local level.

<b>95. Is your country supporting national, regional and international activities prioritized by the Global Initiative on Education and Public Awareness? (decision VI/19)</b>	
a) No	
b) No, but some programs are under development	
c) Yes, some activities supported (please provide details below)	X
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.	
We have not work directly with this program but if we were asked to we will be hapy to do so.	

<b>96. Has your country developed adequate capacity to deliver initiatives on communication, education and public awareness?</b>	
a) No	
b) No, but some programs are under development	X
c) Yes, some programs are being implemented (please provide details below)	
d) Yes, comprehensive programs are being implemented (please provide details below)	
Further comments on the development of adequate capacity to deliver initiatives on communication, education and public awareness.	
The Government is in the process of establishment of an Environmental Education Unit within the Environment Division. This Unit will be provided with adequate staff to address Biodiversity Education and Public awareness as well as other areas of Environment. The Unit will be utilizing the expertise of retired teachers and providing further financial support to current teachers so that they can carry out the work fo the EEU.	

<b>97. Does your country promote cooperation and exchange programs for biodiversity education and awareness at the national, regional and international levels? (decisions IV /10 and VI/19)</b>	
a) No	
b) Yes (please provide details below)	X
Further comments on the promotion of cooperation and exchange programs for biodiversity education and awareness, at the national, regional and international levels.	

<b>98.</b> Is your country undertaking some CEPA activities for implementation of cross-cutting issues and thematic programs of work adopted under the Convention?	
a) No (please specify reasons below)	
b) Yes, some activities undertaken for some issues and thematic areas (please provide details below)	
c) Yes, many activities undertaken for most issues and thematic areas (please provide details below)	X
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 issues and thematic programs of work adopted under the Convention.	
For further information the CEPA strategy is being placed on the Environment Division's Website at <a href="http://www.environmentdivision.info">www.environmentdivision.info</a> .	

<b>99.</b> <input checked="" type="checkbox"/> Does your country support initiatives by major groups, key actors and stakeholders that integrate biological diversity conservation matters in their practice and education programs as well as into their relevant sectoral and cross-sectoral plans, programs and policies? (decision IV/10 and Goal 4.4 of the Strategic Plan)	
a) No	
b) Yes (please provide details below)	X
Further comments on the initiatives by major groups, key actors and stakeholders that integrate biodiversity conservation in their practice and education programs as well as their relevant sectoral and cross-sectoral plans, programs and policies.	
NGOs and Community groups can get access to grants from the Government (very small amounts) as well as technicians to assist them in their public awareness efforts.	

<b>100.</b> 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 programs and activities? (decision VII/24)	
a) No	
b) No, but some programs are under development	
c) Yes, some programs developed and activities undertaken for this purpose (please provide details below)	X
d) Yes, comprehensive programs developed and many activities undertaken for this purpose (please provide details below)	
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.	
Programs have been developed mainly in the formal education sector, but they are not explicitly linked to the Decade on Education for Sustainable Development.	

**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.

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### Article 14 - Impact assessment and minimizing adverse impacts

**101.**  On Article 14.1(a), has your country developed legislation requiring an environmental impact assessment of proposed projects likely to have adverse effects on biological diversity?

a) No	
b) No, legislation is still in early stages of development	
c) No, but legislation is in advanced stages of development	X
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 likely to have adverse effects on biodiversity.

Legislation is in place for EIA but there is no specific requirement for Biodiversity Inclusion. Biodiversity is taken into consideration from the point of view of setbacks from ecosystems such as Mangroves, reefs and beaches. Terrestrial Biodiversity is also taken into consideration within the Terms of Reference for the project.

New Legislation has been drafted that will take a more specific look at the Biodiversity within EIAs and to provide more participation from the public.

**102.**  On Article 14.1(b), has your country developed mechanisms to ensure that due consideration is given to the environmental consequences of national programs and policies that are likely to have significant adverse impacts on biological diversity?

a) No	X
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)	

Further comments on the mechanisms developed to ensure that due consideration is given to the environmental consequences of national programs and policies that are likely to have significant adverse impacts on biodiversity.

Programs and policy development is still fragmented and this provides a challenge for coordination and assessment of these. This is gradually being overcome but still provides challenges for the Government for implementation.

**103.**  On Article 14.1(c), is your country implementing bilateral, regional and/or multilateral agreements on activities likely to significantly affect biological diversity outside your country's 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)	X

Further information on the bilateral, regional and/or multilateral agreements on activities likely to significantly affect biodiversity outside your country's jurisdiction.

We are signatories to CITES and the Cartagena Conventions each of which address the impact of trade and Pollution, respectively, on Biodiversity within and outside the jurisdiction of the state of Antigua and Barbuda..

**104.**  On Article 14.1(d), has your country put mechanisms in place to prevent or minimize danger or damage originating in your territory to biological diversity in the territory of other Parties or 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 development	
d) Yes, mechanisms are in place based on current scientific knowledge	X

**105.**  On Article 14.1(e), has your country established national mechanisms for emergency response to activities or events which present a grave and imminent danger to biological diversity?

a) No	X
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)	

Further information on national mechanisms for emergency response to the activities or events which present a grave and imminent danger to biodiversity.



**106.** Is your country applying the Guidelines for Incorporating Biodiversity-related Issues into Environment-Impact-Assessment Legislation or Processes and in Strategic Impact Assessment as contained in the annex to decision VI/7 in the context of the implementation of paragraph 1 of Article 14? (decision VI/7)

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, administrative or policy measures regarding liability and redress for damage to biological diversity? (decision VI/11)

a) No	X
b) Yes (please specify the measures)	
Further comments on national legislative, administrative or policy measures regarding liability and redress for damage to biological diversity.	

**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)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures in place to prevent damage to biological diversity.	
Most of the measures include legislative approach with fines to deter the damage to Biodiversity. The implementation of the legislation is further assisted by public awareness so there is considerable amount of community policing of biodiversity.	

**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 of national legislative regimes, policy and administrative measures on liability and redress? (decision VI/11)

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

Antigua and Barbuda is cooperating with the other OECS countries in regional and national projects and in the harmonization of Biodiversity Legislation.


**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.

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**Article 15 - Access to genetic resources**

**110.**  Has your country endeavored to facilitate access to genetic resources for environmentally sound uses by other Parties, on the basis of prior informed consent and mutually agreed terms, in accordance with paragraphs 2, 4 and 5 of Article 15?

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

Further information on the efforts taken by your country to facilitate access to genetic resources for environmentally sound uses by other Parties, on the basis of prior informed consent and mutually agreed terms.

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**111.**  Has your country taken measures to ensure that any scientific research based on genetic resources provided by other Parties is developed and carried out with the full participation of such Parties, in accordance with Article 15(6)?

a) No	X
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 to ensure that any scientific research based on genetic resources provided by other Contracting Parties is developed and carried out with the full participation of such Contracting Parties.

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**112.**  Has your country taken measures to ensure the fair and equitable sharing of the results of research and development and of the benefits arising from the commercial and other use of genetic resources with any Contracting Party providing such resources, in accordance with Article 15(7)?

a) No	X
b) No, but potential measures are under review	
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.

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**113.**  In developing national measures to address access to genetic resources and benefit-sharing, has your country taken into account the multilateral system of access and benefit-sharing set out in the International Treaty on Plant Genetic Resources for Food and Agriculture?

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

Further information on national measures taken which consider the multilateral system of access and benefit-sharing as set out in the International Treaty on Plant Genetic Resources for Food and Agriculture.

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**114.** Is your country using the Bonn Guidelines when developing and drafting legislative, administrative or policy measures on access and benefit-sharing and/or when negotiating contracts and other arrangements under mutually agreed terms for access and benefit-sharing? (decision VII/19A)

a) No	
b) No, but steps being taken to do so (please provide details below)	X
c) Yes (please provide details below)	

Please provide details and specify successes and constraints in the implementation of the Bonn Guidelines.

**115.** Has your country adopted national policies or measures, including legislation, which address the role of intellectual property rights in access and benefit-sharing arrangements (i.e. the issue of disclosure of origin/source/legal provenance of genetic resources in applications for intellectual property rights where the subject matter of the application concerns, or makes use of, genetic resources in its development)?

a) No	X
b) No, but potential policies or measures have been identified (please specify below)	
c) 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 and benefit-sharing arrangements.

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

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

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.

**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.

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### Article 16 - Access to and transfer of technology

**117.**  On Article 16(1), has your country taken measures to provide or facilitate access for and transfer to other Parties of technologies that are relevant to the conservation and sustainable use of biological diversity or make use of genetic resources and do not cause significant damage to the environment?


a) No	X
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 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.

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**118.**  On Article 16(3), has your country taken measures so that Parties which provide genetic resources are provided access to and transfer of technology which make use of those resources, on mutually agreed terms?

a) No	X
b) No, but potential measures are under review	
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	

**119.**  On Article 16(4), has your country taken measures so that the private sector facilitates access to joint development and transfer of relevant technology for the benefit of Government institutions and the private sector of developing countries?

a) No	X
b) No, but potential measures are under review	
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.	

**Box LV.**

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.

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**Programme of Work on transfer of technology and technology cooperation**

**120.** Has your country provided financial and technical support and training to assist in the implementation of the programme of work on transfer of technology and technology cooperation? (decision VII/29)

a) No	X
b) No, but relevant programs are under development	
c) Yes, some programs being implemented (please provide details below)	
d) Yes, comprehensive programs being implemented (please provide details below)	
Further comments on the provision of financial and technical support and training to assist in the implementation of the programme of work on transfer of technology and technology cooperation.	

**121.** Is your country taking any measures to remove unnecessary impediments to funding of multi-country initiatives for technology transfer and for scientific and technical cooperation? (decision VII/29)

a) No	X
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 funding of multi-country initiatives for technology transfer and for scientific and technical cooperation.

**122.** Has your country made any technology assessments addressing technology needs, opportunities and barriers in relevant sectors as well as related needs in capacity building? (annex to decision VII/29)

a) No	X
b) No, but assessments are under way	
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, opportunities and barriers in relevant sectors as well as related needs in capacity building.

There are some considerations but it was assembled into a comprehensive assessment.

**123.** Has your country made any assessments and risk analysis of the potential benefits, risks and associated costs with the introduction of new technologies? (annex to decision VII/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)	

Further comments on the assessments and risk analysis of the potential benefits, risks and associated costs with the introduction of new technologies.

There has been some work on the risks associated with GMOs and LMOs as part of the development of the Biosafety Frameworks.

**124.** Has your country identified and implemented any measures to develop or strengthen appropriate information systems for technology transfer and cooperation, including assessing capacity building needs? (annex to decision VII/29)

a) No	X
b) No, but some programs are under development	
c) Yes, some programs are in place and being implemented (please provide details below)	
d) Yes, comprehensive programs are being implemented (please provide details below)	

Further comments on measures to develop or strengthen appropriate information systems for technology transfer and cooperation.

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**125.** Has your country taken any of the measures specified under Target 3.2 of the program of work as a preparatory phase to the development and implementation of national institutional, administrative, legislative and policy frameworks to facilitate cooperation as well as access to and adaptation of technologies of relevance to the Convention? (annex to decision VII/29)

a) No	X
b) No, but a few measures being considered	
c) Yes, some measures taken (please specify below)	
d) Yes, many measures taken (please specify below)	

Further comments on the measures taken as a preparatory phase to the development and implementation of national institutional, administrative, legislative and policy frameworks to facilitate cooperation as well as access to and adaptation of technologies of relevance to the Convention.

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**Box LVI.**

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.

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## Article 17 - Exchange of information

<b>126.</b> <input checked="" type="checkbox"/> On Article 17(1), has your country taken measures to facilitate the exchange of information from publicly available sources with a view to assist with the implementation of the Convention and promote technical and scientific cooperation?	
a) No	
b) No, but potential measures are under review	
c) Yes, some measures are in place	X
d) Yes, comprehensive measures are in place	

### *The following question (127) is for DEVELOPED COUNTRIES*

<b>127.</b> <input checked="" type="checkbox"/> On Article 17(1), do these measures take into account the special needs of developing countries and include the categories of information listed in Article 17(2), such as technical, scientific and socio-economic research, training and surveying programs, specialized knowledge, repatriation of information and so on?	
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 programs, 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 programs, specialized knowledge, repatriation of information and so on	

### **Box LVII.**

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 18 - Technical and scientific cooperation

<b>128.</b> On Article 18(1), has your country taken measures to promote international technical and scientific cooperation in the field of conservation and sustainable use of biological diversity?	
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 measures are in place (please provide details below)	
Further information on the measures to promote international technical and scientific cooperation.	
Most of the Country's effort is within the framework of the convention. Most of the technical cooperation is between the OECS countries.	

<b>129.</b> On Article 18(4), has your country encouraged and developed methods of cooperation for the development and use of technologies, including indigenous and traditional technologies, in pursuance of the objectives of this Convention?	
a) No	X
b) No, but relevant methods are under development	
c) Yes, methods are in place	

<b>130.</b> On Article 18(5), has your country promoted the establishment of joint research programs and joint ventures for the development of technologies relevant to the objectives of the Convention?	
a) No	X
b) Yes (please provide some examples below)	
Examples for the establishment of joint research programs and joint ventures for the development of technologies relevant to the objectives of the Convention.	

<b>131.</b> Has your country established links to non-governmental organizations, private sector and other institutions holding important databases or undertaking significant work on biological diversity through the CHM? (decision V/14)	
a) No	X
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	

**The following question (132) is for DEVELOPED COUNTRIES**

**132.** Has your country further developed the CHM to assist developing countries and countries with economies in transition to gain access to information in the field of scientific and technical cooperation? (decision V/14)

a) No	
b) Yes, by using funding opportunities	
c) Yes, by means of access to, and transfer of technology	
d) Yes, by using research cooperation facilities	
e) Yes, by using repatriation of information	
f) Yes, by using training opportunities	
g) Yes, by using promotion of contacts with relevant institutions, organizations and the private sector	
h) Yes, by using other means (please specify below)	

Further comments on CHM developments to assist developing countries and countries with economies in transition to gain access to information in the field of scientific and technical cooperation.

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**133.** Has your country used CHM to make information available more useful for researchers and decision-makers? (decision V/14)

a) No	
b) No, but relevant initiatives under consideration	
c) Yes (please provide details below)	

Further comments on development of relevant initiatives.

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**134.** Has your country developed, provided and shared services and tools to enhance and facilitate the implementation of the CHM and further improve synergies among biodiversity-related Conventions? (decision V/14)

a) No	
b) Yes (please specify services and tools below)	

Further comments on services and tools to enhance and facilitate the implementation of CHM and further improve synergies among biodiversity-related Conventions.

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**Box LVIII.**

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.

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### Article 19 - Handling of biotechnology and distribution of its benefits

**135.**  On Article 19(1), has your country taken measures to provide for the effective participation in biotechnological research activities by those Contracting Parties which provide the genetic resources for such research?

a) No	
b) No, but potential measures are under review	X
c) Yes, some measures are in place	
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	

**136.**  On Article 19(2), has your country taken all practicable measures to promote and advance priority access by Parties, on a fair and equitable basis, to the results and benefits arising from biotechnologies based upon genetic resources provided by those Parties?

a) No	
b) No, but potential measures are under review	X
c) Yes, some measures are in place	
d) Yes, comprehensive measures are in place	

**Box LIX.**

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.

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## Article 20 – Financial resources

**Box LX.**

Please describe for each of the following items the quantity of financial resources, both internal and external, that have been utilized, received or provided, as applicable, to implement the Convention on Biological Diversity, on an annual basis, since your country became a Party to the Convention.

a) Budgetary allocations by national and local Governments as well as different sectoral ministries	834,000.00USD
b) Extra-budgetary resources (identified by donor agencies)	GEF USD200,000.00
c) Bilateral channels (identified by donor agencies)	
d) Regional channels (identified by donor agencies)	OECS 45,000.00
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 programs, such as biodiversity trust funds or specific programs that have been established in your country.

**New legislation has been drafted to provide for an environmental fund but this is at the Attorney's General office for review.**

**137.**  On Article 20(1), has your country provided financial support and incentives to those national activities that are intended to achieve the objectives of the Convention?

a) No	
b) Yes, incentives only (please provide a list of such incentives below)	
c) Yes, financial support only	
d) Yes, financial support and incentives (please provide details below)	X

Further comments on financial support and incentives provided.

There are no specific funding programs funds and incentives are made available via the government regular budgetary process.

***The next question (138) is for DEVELOPED COUNTRIES***

**138.**  On Article 20(2), has your country provided new and additional financial resources to enable developing country Parties to meet the agreed incremental costs to them of implementing measures 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 WITH ECONOMIES IN TRANSITION***

**139.**  On Article 20(2), has your country received new and additional financial resources to enable it to meet the agreed full incremental costs of implementing measures which fulfill the obligations of the Convention?

a) No	X
b) Yes	

**140.**  Has your country established a process to monitor financial support to biodiversity, including support provided by the private sector? (decision V/11)

a) No	X
b) No, but procedures being established	
c) Yes (please provide details below)	
Further comments on processes to monitor financial support to biodiversity, including support provided by the private sector.	

**141.**  Has your country considered any measures like tax exemptions in national taxation systems to encourage financial support to biodiversity? (decision V/11)

a) No	X
b) No, but exemptions are under development (please provide details below)	
c) Yes, exemptions are in place (please provide details below)	
Further comments on tax exemptions for biodiversity-related donations.	

**142.** Has your country reviewed national budgets and monetary policies, including the effectiveness of official development assistance allocated to biodiversity, with particular attention paid to positive incentives and their performance as well as perverse incentives and ways and means for their removal or mitigation? (decision VI/16)

a) No	X
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 the effectiveness of official development assistance.	
Antigua and Barbuda is not a recipient of official development assistance.	

**143.** Is your country taking concrete actions to review and further integrate biodiversity considerations in the development and implementation of major international development initiatives, as well as in national sustainable development plans and relevant sectoral policies and plans? (decisions VI/16 and VII/21)

a) No	
b) No, but review is under way	
c) Yes, in some initiatives and plans (please provide details below)	X

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.	
Antigua and Barbuda has only started to review trade agreement to determine their impacts on the Environment. This process is only just beginning and there are plans to increase coordination between environmental and trade professionals.	

<b>144.</b> Is your country enhancing the integration of biological diversity into the sectoral development and assistance programs? (decision VII/21)	
a) No	
b) No, but relevant programs are under development	X
c) Yes, into some sectoral development and assistance programs (please provide details below)	
d) Yes, into major sectoral development and assistance programs (please provide details below)	
Further comments on the integration of biodiversity into sectoral development and assistance programs	

**The next question (145) is for DEVELOPED COUNTRIES**

<b>145.</b> 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.	
A r e a s	Support provided
a) Undertaking national or regional assessments within the framework of MEA (decision VI/8)	
b) <i>In-situ</i> conservation (decision V/16)	
c) Enhance national capacity to establish and maintain the mechanisms to protect traditional knowledge (decision VI/10)	
d) <i>Ex-situ</i> 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)	
Further information on financial support provided to developing countries and countries with economies in transition.	

**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		
	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)	X		
c) Priority actions to implement the Global Taxonomy Initiative (decision V/9)			
d) <i>In-situ</i> conservation (decision V/16)		X	
e) Development of national strategies or action plans to deal with alien species (decision VI/23)			
f) <i>Ex-situ</i> conservation, establishment and maintenance of <i>Ex-situ</i> conservation facilities (decision V/26)			X

g) Projects that promote measures for implementing Article 13 (Education and Public Awareness) (decision VI/19)		<b>x</b>	<b>x</b>
h) Preparation of national reports (decisions III/9, V/19 and VI/25)	<b>x</b>		
i) Projects for conservation and sustainable use of inland water biological diversity (decision IV/4)			
j) Activities for conservation and sustainable use of agricultural biological diversity (decision V/5)			
k) Implementation of the Cartagena Protocol on Biosafety (decision VI/26)	<b>x</b>		
l) Implementation of the Global Taxonomy Initiative			
m) Implementation of the Addis Ababa Principles and Guidelines for the Sustainable Use of Biodiversity			
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.

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## D. THEMATIC AREAS

147. Please use the scale indicated below to reflect the level of challenges faced by your country in implementing the thematic programs 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						
Challenges	Program of Work					
	Agricultural	Forest	Marine and coastal	Inland water ecosystem	Dry and subhumid lands	Mountain
(a) Lack of political will and support	2	2	3	2	NA	NA
(b) Limited public participation and stakeholder involvement	2	2	3	2	NA	NA
(c) Lack of mainstreaming and integration of biodiversity issues into other sectors	3	2	3	3	NA	NA
(d) Lack of precautionary and proactive measures	1	3	2	3	NA	NA
(e) Inadequate capacity to act, caused by institutional weakness	3	3	3	3	NA	NA
(f) Lack of transfer of technology and expertise	3	3	3	3	NA	NA
(g) Loss of traditional knowledge	2	1	2	1	NA	NA
(h) Lack of adequate scientific research capacities to support all the objectives	3	3	3	3	NA	NA
(i) Lack of accessible knowledge and information	3	3	3	1	NA	NA
(j) Lack of public education and awareness at all levels	2	2	2	3	NA	NA
(k) Existing scientific and traditional knowledge not fully utilized	2	1	2	1	NA	NA

(l) Loss of biodiversity and the corresponding goods and services it provides not properly understood and documented	3	3	3	3	NA	NA
(m) Lack of financial, human, technical resources	1	3	2	3	NA	NA
(n) Lack of economic incentive measures	3	3	2	3	NA	NA
(o) Lack of benefit-sharing	1	3	1	2	NA	NA
(p) Lack of synergies at national and international levels	1	2	1	3	NA	NA
(q) Lack of horizontal cooperation among stakeholders	2	2	2	3	NA	NA
(r) Lack of effective partnerships	1	2	1	3	NA	NA
(s) Lack of engagement of scientific community	1	3	3	3	NA	NA
(t) Lack of appropriate policies and laws	1	3	2	3	NA	NA
(u) Poverty	1	1	1	1	NA	NA
(v) Population pressure	1	1	1	1	NA	NA
(w) Unsustainable consumption and production patterns	2	1	2	1	NA	NA
(x) Lack of capacities for local communities	3	2	3	2	NA	NA
(y) Lack of knowledge and practice of ecosystem-based approaches to management	2	3	2	2	NA	NA
(z) Weak law enforcement capacity	3	3	3	3	NA	NA
(aa) Natural disasters and environmental change	2	3	3	3	NA	NA
(bb) Others (please specify)						

### Inland water ecosystems

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

Strategies, 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	X			
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 program of work

The islands of Antigua and Barbuda, located in the northern Leeward Islands, are characterised by relatively low relief and upper watershed lands. The country has a low average rainfall and highly erratic distribution; additionally there are very few surface or ground water storage areas. Watersheds represent the major inland water ecosystems and given the critical nature of the fresh water resource, combined with the fact that very little priority has been accorded to watershed management, there is a definite need to focus on this area in the future. There are no effective laws relating to watershed protection and no watershed reserves have been declared. Shallow reservoirs and high rates of evapotranspiration lead to significant loss of surface stored water in inland ecosystems such as dams and ponds. The last major investment in fresh water storage capacity was more than 30 years ago. Salt water intrusion into groundwater supplies is a problem in several aquifers, especially during times of drought when extraction is excessive.

Currently, many agencies have responsibility for various aspects of watershed and coastal zone management, although watersheds are hardly recognised, as such, in any legal or institutional arrangements. Adequate data collection, processing and storage in accessible systems remain a pressing need. Present levels of human and physical resources are insufficient to provide the monitoring that is necessary.

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

a) No	X
b) Outcome oriented targets developed but priority activities not developed	
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).

Effective management of both watersheds and coastal areas has been constrained by a lack of basic scientific information on the status of these ecosystems and the results of various pressures to which they have been exposed. Adequate data collection, processing and storage in accessible systems remain a pressing need. Present levels of human and physical resources are insufficient to provide the monitoring that is necessary.

New ways of revenue generation are required to support the management systems that are required and it is proposed that greater attention to cost recovery for services provided to the tourism sector should be pursued.

There is need for a plan of action, which focuses on increasing general awareness of the function of watersheds in providing water resources for the nation and in protecting the fisheries and coastal ecosystems on which tourism is so dependent. The concept of a model watershed is outlined as a vehicle to raise awareness by visible demonstration and at the same time to address, in a local context, the many management and technical issues that have to be solved at a national level, if watersheds and coastal areas are to be managed in a more integrated and functional manner, thereby maximizing the sustainable use of these indispensable natural resources. There is also need to set up a regional system for monitoring levels of toxic substances in soils, aquatic and coastal environments. National capabilities to collect and prepare samples would be have to be supported by regional laboratories with a mandate to provide specialist analytical services. This would be particularly helpful to the smaller territories of the Eastern Caribbean which do not have the resources, physical or human, for many types of pesticide analysis.

**150.** Is your country promoting synergies between this program 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? (decision VII/4 )

a) Not applicable (not Party to Ramsar Convention)	X
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)	X

Further comments on the promotion of synergies between the program 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.

Antigua and Barbuda has incorporated comprehensive measures for joint implementation. The National Environmental Management Strategy (NEMS) identifies priority actions for both RAMSAR and the CBD. The Fisheries Division is responsible for activities related to RAMSAR. Additionally, the Environmental Management Bill provides legislative support to the activities as national priorities.

**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?		X	
d) Species and all taxonomic levels?		X	
e) On threats to which inland water ecosystems are subjected?			X

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

<b>152.</b> Has your country promoted the application of the guidelines on the rapid assessment of the biological diversity of inland water ecosystems? (decision VII/4 )	
a) No, the guidelines have not been reviewed	X
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.	

**Box LXIII.**

Please elaborate below on the implementation of this program 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.

Watersheds have been identified as areas in need of attention despite this the Forestry Sub-Sector has not been able to manage the forest areas of Antigua with the meagre resources at its disposal over the last decade or two. This situation has not been helped by the weak legal support at its disposal. As a result of this and the aforementioned lack of any remit for APUA to manage watersheds, little has been done to improve the status and efficiency of our upper watershed lands, which include forest, scrub and other lands, particularly in the south west of the island. Indiscriminate cutting, burning, clearing and grazing of such lands is all too common, with negative consequences for water attraction and retention, as well as related biodiversity.



## Marine and coastal biological diversity

### General

<b>153.</b> 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
c) Building capacity within the country for management of marine and coastal resources, including through educational programs and targeted research initiatives (if yes, please elaborate on types of initiatives in the box below)	X
d) Instituting improved integrated marine and coastal area management (including catchments management) in order to reduce sediment and nutrient loads into the marine environment	X
e) Protection of areas important for reproduction, such as spawning and nursery areas	X
f) Improving sewage and other waste treatment	X
g) Controlling excessive fishing and destructive fishing practices	
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	
Please elaborate on the above activities and list any other priority actions relating to conservation and sustainable use of marine and coastal biodiversity.	
<p>Fisheries</p> <p>The fisheries sub-sector is faced with declining stocks and increased pressure from the growing number of artisanal and recreational fisherfolk, while degradation of coastal resources accelerate due to sand mining and the destruction and conversion of wetlands to tourism related uses. The sub-sector is attempting to train fisherfolk to utilise the considerable stocks of fish that are to be found further off-shore, where most fishermen are unwilling to venture with traditional boats and equipment. This also requires capital investment for the provision of larger vessels, navigational equipment and fish handling facilities. The Government is committed to following this approach in order to reduce pressure on the inshore stocks.</p>	

### Implementation of Integrated Marine and Coastal Area Management

**154.** Has your country established and/or strengthened institutional, administrative and legislative arrangements for the development of integrated management of marine and coastal ecosystems?

a) No	
b) Early stages of development	
c) Advanced stages of development	<b>X</b>
d) Arrangements in place (please provide details below)	
e) Not applicable	

Further comments on the current status of implementation of integrated marine and coastal area management.

The Country has a new Fisheries Act under which most protected areas are being declared and managed. Additional legislation has been passed, the Physical Planning Act, which provides the framework for the integration of Marine and coastal management into land use planning and development. This Act however is in its very early stages of implementation.

**155.** Has your country implemented ecosystem-based management of marine and coastal resources, for example through integration of coastal management and watershed management, or through integrated multidisciplinary coastal and ocean management?

a) No	
b) Early stages of development	X
c) Advanced stages of development	
d) Arrangements in place (please provide details below)	
e) Not applicable	

Further comments on the current status of application of the ecosystem to management of marine and coastal resources.

Since 2000, there are three marine protected areas designed to protect marine resources of particular importance. These are located at Palaster reef, off Barbuda; Diamond reef off Antigua's north coast and Cades reef, off the south coast of Antigua. However, little protection is possible because of the fact that the boundaries are not demarcated and Fisheries has few resources to patrol or control. A management plan for the Cades reef reserve is in preparation.

Besides the concerns regarding levels of fisheries exploitation, there are parallel concerns about regeneration and habitat degradation in the coastal environment. Human activity has profoundly altered the marine and coastal environment through habitat loss, unsustainable use of resources, shoreline development and pollution. It is estimated that approximately 40% of the mangrove sites, which are vital nursery sites for reef fish, have been destroyed in Antigua. There is an urgent need to recover some of these mangrove areas. Additionally, several major wetlands have been removed for tourism developments in the last 20 years. Mangroves have also been impacted by drought, which makes them less able to cope with these other stresses, and from the chemical leachate from the main solid waste disposal site in the Creekside watershed.

## Marine and Coastal Living Resources

**156.** Has your country identified components of your marine and coastal ecosystems, which are critical for their functioning, as well as key threats to those ecosystems?

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)	X
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

Critical components have been identified and management plans are being developed.

Antigua is bordered by fringing and patch reefs on the east, north and south coasts, and Barbuda has fringing reefs along the eastern shoreline. Other patch reefs occur between the two islands and the total area of reef is estimated to be 25 sq. km. The coral reef systems are important to the country's fisheries and tourism sectors, as well as providing vital coast protection against storm surges and hurricane-related wave systems, but there been a dramatic decline in their status in the past few decades. Marked declines in coral reef health have been observed, particularly on the North Coast of Antigua<sup>3</sup> and coral cover has declined by 8% to 22% over the last decade<sup>4</sup>. While hurricanes damage is partly responsible, the overall decline in reef health has been attributed to the cumulative affects of human and natural impacts rather than any single catastrophic event. Indeed, the decline is most likely to be the result of increasing sediment loads as an indirect result of land degradation and drought, loss and removal of mangroves, and a direct result of anchor, storm and hurricane damage, as well as natural disease, coral bleaching and predation. There is a need for a comprehensive coral reef monitoring programme to aid in identifying negative trends in coral diversity, distribution and associated species numbers, and to assist in effective management of coral reefs around the islands.

Seagrass beds are common in shallow coastal areas around both islands and are an important nursery area for juvenile fish and invertebrate species, as well as binding together highly mobile sands and sediments. The seagrass beds have not been studied in detail; however, declines have been observed in the beds on the Northern coast of Antigua during the 1980s<sup>5</sup>. The country's tourism sector has grown at a rapid pace since then and acres of seagrass beds may have been removed for the creation of sandy beach areas. There is a need for a comprehensive programme to monitor the health of seagrass beds around Antigua and Barbuda and to document the species of fauna that are commonly found in these areas.

Antigua and Barbuda is well known for its magnificent white sandy beaches and these have been the focus for the majority of tourism developments. Many of these beaches also serve as a critical habitat for endangered marine turtles including the Green turtle (*Chelonia mydas*,

<sup>3</sup> Weiss 1989

<sup>4</sup> Multer 1996

<sup>5</sup> Weiss 1989

CITES-Appendix I, IUCN-EN), Hawksbill Turtle (*Eretmochelys imbricata* CITES-Appendix I, IUCN-CR) and Leather Back turtle (*Dermochelys coriacea* CITES-Appendix I, EN). The peak turtle nesting seasons is during the summer months and extends through to early fall (October/November)<sup>6</sup>. The 1992 Sea Turtle Recovery and Action Plan (STRAP) reported some forty three known nesting beaches on Antigua and 13 on Barbuda. Many of these are adjacent to privately owned lands and almost all have some level of development. Beach erosion and sand-mining also pose significant threats to nesting sea turtles as they can lead to decrease in the availability of appropriate nesting sites.

**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.

<b>Activities</b>	<b>Not implemented nor a priority</b>	<b>Not implemented but a priority</b>	<b>Currently implemented</b>	<b>Not applicable</b>
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		
e) Stakeholder partnerships, community participation programs and public education campaigns			X	
f) Provision of training and career opportunities for marine taxonomists and ecologists		X		
g) Development of early warning systems of coral bleaching		X		
h) Development of a rapid response capability to document coral bleaching and mortality		X		

<sup>6</sup> Fuller et al. 1992

i) Restoration and rehabilitation of degraded coral reef habitats		X		
j) Others (please specify below)				
Please elaborate on ongoing activities.				
Coastal monitoring and management is one of the most expensive exercises and although important will not be a priority for the Government at this time. A new approach (for the Government) is the development of relationship with universities that can conduct research at a more economical cost. This is still in its very early stages of development.				

### Marine and Coastal Protected Areas

<b>158.</b> 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)	Four areas
b) Management plans for these marine and coastal protected areas have been developed with involvement of all stakeholders	Only one to date.
c) Effective management with enforcement and monitoring has been put in place	No
d) A national system or network of marine and coastal protected areas is under development	yes
e) A national system or network of marine and coastal protected areas has been put in place	no
f) The national system of marine and coastal protected areas includes areas managed for purpose of sustainable use, which may allow extractive activities	
g) The national system of marine and coastal protected areas includes areas which exclude extractive uses	X
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.	
<p>There is only one fully designated terrestrial protected area in Antigua and Barbuda (Nelsons Dockyard National Park under the National Parks Act of 1984), although there is a preliminary list of 8 proposed terrestrial sites. There are two marine parks, one on each of the main islands. Diamond Reef Marine Park (2000 ha) was established off the northwest coast of Antigua in 1973, and Palaster Reef Marine Park (500 ha) is located off the southern tip of Barbuda. Neither of these areas is presently administered or managed as a protected area. A fairly significant marine reserve has been proposed and approved to the south of Antigua at Cades Reef but assistance is needed to finalise the zoning and management plan. Another larger marine reserve is planned for the northeast coast and offshore islands, which supports a number of endemic species and is under tourist pressure. More recently, Codrington Lagoon in Barbuda has been designated as a National Park.</p> <p>Besides the concerns regarding levels of fisheries exploitation, there are parallel concerns about</p>	

regeneration and habitat degradation in the coastal environment. Human activity has profoundly altered the marine and coastal environment through habitat loss, unsustainable use of resources, shoreline development and pollution. It is estimated that approximately 40% of the mangrove sites, which are vital nursery sites for reef fish, have been destroyed in Antigua. There is an urgent need to recover some of these mangrove 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	
b) Development and application of effective site selection methods in the framework of integrated marine and coastal area management	
c) Development of effective methods for effluent and waste control	
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	
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	
l) Considering traditional knowledge, where applicable, as a source to develop sustainable mariculture techniques	
m) Not applicable	X
Further comments on techniques that aim at minimizing adverse impacts of mariculture on marine and coastal biodiversity.	
NA	

### 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	X
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	
Further comments on the current status of activities relating to prevention of introductions of alien species in the marine and coastal environment, as well as any eradication activities.	
The only mechanism is the signing of agreements with the IMO that encourages ships to address this issue.	

**Box LXIV.**

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.

### Agricultural biological diversity

<b>161.</b> Has your country developed national strategies, programs and plans that ensure the development and successful implementation of policies and actions that lead to the conservation and sustainable use of agrobiodiversity components? (decisions III/11 and IV/6)	
a) No	
b) No, but strategies, programs and plans are under development	X
c) Yes, some strategies, programs and plans are in place (please provide details below)	
d) Yes, comprehensive strategies, programs and plans are in place (please provide details below)	
Further comments on agrobiodiversity components in national strategies, programs and plans.	
<p>There are no specific plans for Agricultural Biodiversity but there are plans that incorporated elements of this within them. These plans are however somewhat fragmented but still effective for implementation. : Additionally, in the last few years, the country's biological resources - its biodiversity - have come under closer scrutiny and with it there has been a growing recognition of its value. This has been particularly true in the recognition, by some, of the scope for eco-tourism. The government is committed to the development of Antigua and Barbuda's natural resources in a way that can sustain and preserve such diversity for future generations. In addition, these resources, if suitably developed and marketed, can provide a valuable addition to the present tourism product. The Forestry Division has been in the forefront of such activities, developing sites and working with the private sector, but needs greater resources to develop new facilities and maintain existing ones. New legislation is needed to allow collection of user fees for use of developed natural amenities and the passage of the Forestry Act is urgently needed to support such activities. Greater flexibility of national fiscal management procedures would allow such monies to be ploughed back into the facilities that produce them and would provide greater incentives to further develop such facilities. In addition, there is scope for greater utilisation of natural products found in the wild as ingredients or materials for craft production, herbal medicines and small business enterprises making soaps or other products using natural inputs. There is a growing market for such natural "folk" or "organic" products among the tourist visitors from developed countries.</p>	

<b>162.</b> Has your country identified ways and means to address the potential impacts of genetic use restriction technologies on the <i>In-situ</i> and <i>Ex-situ</i> conservation and sustainable use, including food security, of agricultural biological diversity? (decision V/5)	
a) No	X
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 genetic use restriction technologies on the <i>In-situ</i> and <i>Ex-situ</i> conservation and sustainable use of agricultural biodiversity.	



## Annex to decision V/5 - Programme of work on agricultural biodiversity

Programme element 1 – Assessment	
<b>163.</b> Has your country undertaken specific assessments of components of agricultural biodiversity such as on plant genetic resources, animal genetic resources, pollinators, pest management and nutrient cycling?	
a) No	X
b) Yes, assessments are in progress (please specify components below)	
c) Yes, assessments completed (please specify components and results of assessments below)	
Further comments on specific assessments of components of agricultural biodiversity.	

<b>164.</b> Is your country undertaking assessments of the interactions between agricultural practices and the conservation and sustainable use of the components of biodiversity referred to in Annex I of the Convention (e.g. ecosystems and habitats; species and communities; genomes and genes of social, scientific or economic importance)?	
a) No	
b) Yes, assessments are under way	X
c) Yes, some assessments completed (please provide details below)	
d) Yes, comprehensive assessments completed (please provide details below)	
Further comments on assessment of biodiversity components (e.g. ecosystems and habitats; species and communities; genomes and genes of social, scientific or economic importance).	
The assessment is mainly on the impacts of agriculture chemicals on ecosystems, POPs and agrochemicals. This study is not very well developed at this time but will continue to be addressed over the past few years.	

<b>165.</b> Has your country carried out an assessment of the knowledge, innovations and practices of farmers and indigenous and local communities in sustaining agricultural biodiversity and agro-ecosystem services for food production and food security?	
a) No	
b) Yes, assessment is under way	
c) Yes, assessment completed (please specify where information can be retrieved below)	X
Further comments on assessment of the knowledge, innovations and practices of farmers and indigenous and local communities.	
An assessment was conducted but not specifically for agricultural Biodiversity. The report is not available at this time.	

<b>166.</b> Has your country been monitoring an overall degradation, status quo or restoration/rehabilitation of agricultural biodiversity since 1993 when the Convention entered into force?	
a) No	
b) Yes, no change found (status quo)	
c) Yes, overall degradation found (please provide details below)	X
d) Yes, overall restoration or rehabilitation observed (please provide details below)	
Further comments on observations.	
<p>There is overall loss of ecosystems to housing and tourism development as well as pollution occurring in those areas that are being protected. There has been however a decline in the rate of loss of biodiversity and with the implementation of new legislation and management systems this trend is expected to reverse.</p> <p>A small core of medium sized farms (5 to 15 hectares) have developed efficient, mechanized production technologies and have demonstrated the potential to produce high quality produce competitively. Few steep lands are cultivated, and mixed cropping practices are applied on over 90% of the farmland. Crops are rotated, and there are weed fallow periods (drought periods also frequently translate into fallow periods). These and other good practices have resulted in considerable reduction in soil degradation. Overall, production is good for a country with poor soil quality, low annual rainfall and very limited access to international markets. However, pollution from inorganic fertilizers and pesticides results from high levels of application and there is no adequate monitoring of impacts. Integrated pest management is a national government policy, but inadequate funding has constrained implementation. Antigua reportedly imports more agro-chemicals than any of the other Leeward Islands giving rise to concerns about possible contamination of water resources, through chemical wash or percolation<sup>7</sup>.</p> <p>Vegetative cover is affected by the traditional use of fires to clear and prepare land. The traditional preference for slash-and-burn techniques to prepare lands for planting and encourage new growth contribute to the lost of over 0.5 km<sup>2</sup> of grasslands and woodlands every year. The limited forest resources continue to decline due to the continued traditional use of wattle (for fish traps), cedar and mahogany trees (for house and boat building) and charcoal (for cooking).</p> <p>The issue of uncontrolled fires is compounded by the invasive Lemon Grass species (<i>Citronella</i> sp.). The grass was introduced in the 1960s to control soil erosion, but it has spread over vast tracts of land in several of the main watersheds and is now a major factor contributing to soil erosion. The grass is burnt to promote new, more palatable re-growth for livestock and to a lesser extent to clear land for cultivation. Many fires are, however, set for no obvious productive motive. These fires often spread out of control with devastating effect on the surrounding remnant natural vegetation. Lemon grass is adapted to survive fires and therefore out-competes native ground cover species. When the grass is burnt it re-grows in clumps and leaves a significant amount of bare soil exposed to wind and water damage.</p> <p>A significant constraint to more widespread adoption of sound agricultural practices is the current tenure system that deters farmers from investing in needed infrastructure to ensure continuous water supplies or marketing systems.</p> <p>Livestock production, which accounts for over 5% of GDP and is an important source of local protein, is</p>	

<sup>7</sup> There has been at least one incidence of a fish kill at Potworks Reservoir, the cause of which was not confirmed, but agro-chemical poisoning was strongly suspected

characterized by unsustainable practices. Uncontrolled grazing of livestock (sheep, goats, donkeys and cattle) affects vegetative cover. This is widely perceived as one of the country's leading environmental problems. The end of sugar-cane production in the early 1970s resulted in large tracts of land becoming idle. In the absence of enforcement of regulations, a practice emerged whereby the majority of livestock were owned by persons who had no, or at best very little, land on which to raise their animals. Animals were allowed to graze the considerable areas of idle lands vacated by the sugar corporation. In the case of goats, because of their more diverse feeding habits, the "pasture" areas expanded to encompass much of the scrub and forested watershed lands. There has been very little control on population sizes, except that exerted by natural causes. For many farmers the size of the herd has important cultural significance. Economically, a herd is important not only in terms of productivity but because it is regarded as a "fixed deposit" to be used in times of need as a source of capital. For these "landless" livestock owners, the inputs for maintaining this living "fixed deposit" are supplied by utilization of public (and in some cases - private) land. The owner bears very little of the cost. There is therefore little economic constraint on increasing the animal population. There is growing recognition that this practice is not sustainable, especially as urbanisation is increasingly removing available land from use as pasture. Currently, legislation and a registration system for animals, including tagging, is being prepared. However, given the pressure on the land resource base, it is likely that more intensive production systems will have to be introduced in order to maintain sufficient production of animal products on fewer acres of land. An intensive or semi-intensive system, defined in accordance with soil types, climatic conditions and topography, is an important option for the country to explore.

**Program 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	X
b) No, but potential practices, technologies and policies being identified	
c) 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.

**Program element 3 - Capacity-building**

**168.** Has your country increased the capacities of farmers, indigenous and local communities, and their organizations and other stakeholders, to manage sustainable agricultural biodiversity and to develop strategies and methodologies for *In-situ* conservation, sustainable use and management of agricultural biological diversity?

a) No	X
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.

**169.** Has your country put in place operational mechanisms for participation by a wide range of stakeholder groups to develop genuine partnerships contributing to the implementation of the program of work on agricultural biodiversity?

a) No	
b) No, but potential mechanisms being identified	X
c) No, but mechanisms are under development	
d) Yes, mechanisms are in place	

**170.** Has your country improved the policy environment, including benefit-sharing arrangements and incentive measures, to support local-level management of agricultural biodiversity?

a) No	X
b) No, but some measures and arrangements being identified	
c) No, but measures and arrangements are under development	
d) Yes, measures and arrangements are being implemented (please specify below)	

Further comments on the measures taken to improve the policy environment.

#### Programme element 4 – Mainstreaming

**171.** Is your country mainstreaming or integrating national plans or strategies for the conservation and sustainable use of agricultural biodiversity in sectoral and cross-sectoral plans and programs?

a) No	X
b) No, but review is under way	
c) No, but potential frameworks and mechanisms are being identified	
d) Yes, some national plans or strategies mainstreamed and integrated into some sectoral plans and programs (please provide details below)	
e) Yes, some national plans or strategies mainstreamed into major sectoral plans and programs (please provide details below)	

Further comments on mainstreaming and integrating national plans or strategies for the conservation and sustainable use of agricultural biodiversity in sectoral and cross-sectoral plans and programs.

There is no approved comprehensive plans for agriculture, the draft plans however calls for the integration. Although there is already some integration of agricultural plans within the land use plans there is yet to specifically include agricultural biodiversity.

**172.** Is your country supporting the institutional framework and policy and planning mechanisms for the mainstreaming of agricultural biodiversity in agricultural strategies and action plans, and its integration into wider strategies and action plans for biodiversity?

a) No	
b) Yes, by supporting institutions in undertaking relevant assessments	X
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.

See answer above.

**173.** In the case of centers of origin in your country, is your country promoting activities for the conservation, on farm, *In-situ*, and *Ex-situ*, of the variability of genetic resources for food and agriculture, including their wild relatives?

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

Further comments on of the conservation of the variability of genetic resources for food and agriculture in their center of origin.

These are limited to a few crops only, and these are mainly commercial varieties.

**Box LXV.**

Please provide information concerning the actions taken by your country to implement the Plan of Action for the International Initiative for the Conservation and Sustainable Use of Pollinators.

We do not have a comprehensive plan for the implementation of this plan of action.

**Box LXVI.**

Please elaborate below on the implementation of this program 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.

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## Forest Biological Diversity

### General

<b>174.</b> Has your country incorporated relevant parts of the work programme into your national biodiversity strategies and action plans and national forest programs?	
a) No	X
b) Yes, please describe the process used	
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 programs	

#### 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.

#### 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.

**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.

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**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.

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### Expanded programme of work on forest biological diversity

Programme element 1 – Conservation, sustainable use and benefit-sharing	
<b>175.</b> 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)	
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).	

<b>176.</b> Has your country undertaken measures to reduce the threats to, and mitigate its impacts on forest biodiversity?		
Options	X	Details
a) Yes	<input type="checkbox"/>	Please specify below the major threats identified in relation to each objective of goal 2 and the measures undertaken to address priority actions
b) No	<input type="checkbox"/>	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).	

<b>177.</b> Is your country undertaking any measures to protect, recover and restore forest biological diversity?		
Options	X	Details
a) Yes	<input type="checkbox"/>	Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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).		

<b>178.</b> Is your country undertaking any measures to promote the sustainable use of forest biological diversity?		
Options	X	Details
a) Yes	<input type="checkbox"/>	Please specify priority actions in relation to each objective of goal 4 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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).		
Antigua and Barbuda has limited forests and this section does not apply.		



<b>179.</b> Is your country undertaking any measures to promote access and benefit-sharing of forest genetic resources?		
Options	X	Details
a) Yes	<input type="checkbox"/>	Please specify priority actions in relation to each objective of goal 5 and describe measures undertaken
b) No	<input type="checkbox"/>	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)		

<b>Programme element 2 – Institutional and socio-economic enabling environment</b>		
<b>180.</b> 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	<input type="checkbox"/>	Please identify priority actions in relation to each objective of Goal 1 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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
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
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).		

**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	<input type="checkbox"/>	Please identify priority actions in relation to each objective of Goal 1 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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).

**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	<input type="checkbox"/>	Please identify priority actions in relation to each objective of goal 2 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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).

**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	<input type="checkbox"/>	Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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).		

**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	<input type="checkbox"/>	Please identify priority actions in relation to each objective of goal 4 and describe measures undertaken to address these priorities
b) No	<input type="checkbox"/>	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).		

**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.

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### Biological diversity of dry and sub-humid lands

**187.** Is your country supporting scientifically, technically and financially, at the national and regional levels, the activities identified in the program of work? (decisions V/23 and VII/2 )

a) No	X
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 program of work.

These issues are taken into consideration on an island basis, there is no specific work program to address this Work Program.

**188.** Has your country integrated actions under the program of work of dry and sub-humid lands into its national biodiversity strategies and action plans or the National Action Program (NAP) of the UNCCD? (decisions V/23, VI/4 and VII/2)

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

Further comments on actions under the program of work of dry and sub-humid lands integrated into national biodiversity strategies and action plans or the National Action Program (NAP) of the UNCCD.

As mentioned there isn't a significant dry and sub-humid lands and these are dispersed throughout the NBSAP.

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

a) No	
b) Yes, some linkages established (please provide details below)	X
c) Yes, extensive linkages established (please provide details below)	

Further comments on the measures to ensure the synergistic/collaborative implementation of the

program of work between the national UNCCD processes and other processes under related environmental conventions.

Most of the work related to this workprogram is under the UNCCD and the NAP of the UNCCD.

**Program Part A: Assessment**

**190.** Has your country assessed and analyzed information on the state of dryland biological diversity and the pressures on it, disseminated existing knowledge and best practices, and filled knowledge gaps in order to determine adequate activities? (Decision V/23, Part A: Assessment, Operational objective, activities 1 to 6)

a) No	X
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 status and trends and dissemination of existing knowledge and best practices.

**Program Part B: Targeted Actions**

**191.** Has your country taken measures to promote the conservation and sustainable use of the biological diversity of dry and sub-humid lands and the fair and equitable sharing of the benefits arising out of the utilization of its genetic resources, and to combat the loss of biological diversity in dry and sub-humid lands and its socio-economic consequences? (part B of annex I of decision V/23, activities 7 to 9)

a) No	X
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 sustainable use of the biological diversity of dry and sub-humid lands and the fair and equitable sharing of the benefits arising out of the utilization of its genetic resources, and to combat the loss of biological diversity in dry and sub-humid lands and its socio-economic consequences.

<b>192.</b> Has your country taken measures to strengthen national capacities, including local capacities, to enhance the implementation of the program of work?	
a) No	X
b) Yes, some measures taken (please provide details below)	
c) Yes, comprehensive measures taken (please provide details below)	
d) Yes, all identified capacity needs met (please provide details below)	
Further comments on measures taken to strengthen national capacities, including local capacities, to enhance the implementation of the program of work.	

**Box LXXII.**

Please elaborate below on the implementation of this program 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.

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**Mountain Biodiversity**

<b>Program Element 1. Direct actions for conservation, sustainable use and benefit sharing</b>	
<b>193.</b> Has your country taken any measures to prevent and mitigate the negative impacts of key threats to mountain biodiversity?	
a) No	X
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	
Antigua and Barbuda do not have any mountain ecosystems.	

<b>194.</b> Has your country taken any measures to protect, recover and restore mountain biodiversity?	
a) No	
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 mountain biodiversity	

<b>195.</b> Has your country taken any measures to promote the sustainable use of mountain biological resources and to maintain genetic diversity in mountain ecosystems?	
a) No	
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 biological resources and to maintain genetic diversity in mountain ecosystems	

<b>196.</b> Has your country taken any measures for sharing the benefits arising from the utilization of mountain genetic resources, including preservation and maintenance of traditional knowledge?	
a) No	
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 for sharing the benefits arising from the utilization of mountain genetic resources	



**Programme Element 2. Means of implementation for conservation,  
sustainable use and benefit sharing**

**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	X
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.

**198.** Has your country been involved in regional and/or transboundary cooperative agreements on mountain ecosystems for conservation and sustainable use of mountain biodiversity?

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 agreements on mountain ecosystems for conservation and sustainable use of mountain biodiversity

**Programme Element 3. Supporting actions for conservation,  
sustainable use and benefit sharing**

**199.** Has your country taken any measures for identification, monitoring and assessment of mountain biological diversity?

a) No	
b) No, but relevant programs 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 assessment of mountain biodiversity

**200.** Has your country taken any measures for improving research, technical and scientific cooperation and capacity building for conservation and sustainable use of mountain biodiversity?

a) No	
b) No, but relevant programs 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 improving research, technical and scientific cooperation and capacity building for conservation and sustainable use of mountain biodiversity

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**201.** Has your country taken any measures to develop, promote, validate and transfer appropriate technologies for the conservation of mountain ecosystems?

a) No	
b) No, but relevant programs 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 to develop, promote, validate and transfer appropriate technologies for the conservation of mountain ecosystems

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**Box LXXIII.**

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.

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## E. OPERATIONS OF THE CONVENTION

<b>202.</b> 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 your country has been involved.	
Antigua and Barbuda has participated in regional meetings and has even served on the bureau on several occasions.	

<b>203.</b> Is your country strengthening regional and sub-regional cooperation, enhancing integration and promoting synergies with relevant regional and sub-regional processes? (decision VI/27 B)	
a) No	
b) Yes (please provide details below)	
Further comments on regional and sub-regional cooperation and processes.	
There are limited regional activities, with the exception of GEF projects. Where these exists Antigua and Barbuda have participated fully.	

***The following question (204) is for DEVELOPED COUNTRIES***

<b>204.</b> Is your country supporting the work of existing regional coordination mechanisms and the development of regional and subregional networks or processes? (decision VI/27 B)	
a) No	
b) No, but programs 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 mechanisms and the development of regional and subregional networks or processes.	

<b>205.</b> Is your country working with other Parties to strengthen the existing regional and subregional mechanisms and initiatives for capacity-building? (decision VI/27 B)	
a) No	
b) Yes	

**206.** Has your country contributed to the assessment of the regional and subregional mechanisms for implementation of the Convention? (decision VI/27 B)

a) No

b) Yes (please provide details below)

X

Further comments on contribution to the assessment of the regional and subregional mechanisms.

We have not send comments but have participated in discussion and workshops where appropriate.

**Box LXXIV.**

Please elaborate below on the implementation of the above 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.

## F. COMMENTS ON THE FORMAT

**Box LXXV.**

Please provide below recommendations on how to improve this reporting format.

**The format was detailed and organized, it made the focal points and the various agencies pay close attention to the various articles of the convention as well as the work programs. It took a long time to completed and it was difficult to coordinate between the agencies.**

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