

REPUBLIC OF GHANA

Third National Report

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A. REPORTING PARTY

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Information on the preparation of the report

Box I.

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

Reporting Process:

The reporting process involved:

1. Identification of contributors, assembling and binding of reference materials and reporting format-July 11th to 19th, 2005.
2. Distribution of reporting format and relevant materials for study by contributors-July 20th to 22nd, 2005.
3. Convening of Contributors at a national workshop for compilation of draft national report-25th to 27th August, 2005.
4. Compilation of workshop report (draft report) and referral of same to members of National Coordination Committee 29th to 31st August, 2005.
5. Review of draft National Report by National Coordination Committee- 19th September, 2005.
6. Distribution of draft National Report to stakeholders for review and comments-23rd to 26th September, 2005.
7. National workshop for Stakeholder review of draft National Report and endorsement-29th September, 2005.
8. Incorporation of final stakeholder comments into draft report-29th September, 2005.
9. Submission of report to UNEP. October 3, 2005.

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Materials used included:

Documents from the E.P.A Ghana:

1. State of the environment report - 2002, 2004.
2. National Environmental Action Plan
3. EPA's Annual Reports 2001 to 2004
4. National Action Programme to Combat Drought & Desertification
5. First Initial National Report on Climate Change.
6. The Environmental Protection Agency Act, 1994 Act 490.
7. Pesticides Control and Management Act, 1996 Act 528.
8. Environmental Assessment Regulations, 1999-LI 1652.
9. Environmental Assessment (Amendment) Regulations, 2002

Documents from the Forestry Commission Ghana:

10. Collaborative Resource Management in Ghana - A Briefing Document by the Collaborative Resource Management Unit of the Wildlife Division, Forestry Commission, January 2004
11. Wildlife Division Policy on Collaborative Community Based Wildlife Management, September 2000
12. Forestry Commission's 2002 End of year Progress Report
13. Multi Resource Inventory Results – Timber-2001
14. Stumpage / Rent Disbursement Report - (1/01/2004 - 30/06/2004)
15. Stumpage / Rent Disbursement Report - (1/07/2003 - 31/12/2003)
16. Stumpage / Rent Disbursement Report - (1/01/2003 - 30/06/2003)
17. Stumpage / Rent Disbursement Report - (1/10/2002 - 31/12/2002)
18. Forest Protection Strategy-Inventory of Species List-1994
19. Stumpage / Rent Disbursement Report - (1/01/2002 - 30/06/2002)
20. Stumpage / Rent Disbursement Report - (1/07/2002 - 30/09/2002)
21. Forest Wildlife Survey 2001-2002 Results

Document from the Ministry of Lands Forestry and Mines.

22. Forest and Wildlife Policy-1994

Document from the Ministry of Environment and Science

23. National Biodiversity Strategy Document.

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.

Biological diversity is an important component of the Ghanaian heritage. It is seen as the source of the wealth of the nation. Therefore, Ghana considers the coming into force of the Convention on Biological Diversity as a blessing to mankind to ensure that adequate care is taken in the use of biological diversity as a resource for national development and inter-generational equity.

Ghana has not engaged in priority setting at the national level for biological diversity. However, there are various relevant activities and interventions taking place at the sectoral level, many of which have identified their own individual priorities. Ghana has begun a review of the status of implementation of the CBD at the national level, and the strategic plan that will be implemented following the review will assist in the achievements of the 2010 targets and contribute to the achievement of the MDGs.

Though Ghana has not set clear and specific targets on compliance to the articles of the CBD, many targets are embedded in sector ministries and departments as well as the research institutions.

The main obstacles revolve around four main issues; inadequate financial resources, limited skilled human capacity, deficiencies in infrastructure and the general lack of awareness on the importance of biodiversity.

Incidentally, Ghana has not engaged itself adequately in the discussion of setting priorities and targets. However various actions have been taken in different situations and sectors. It is worth noting that, while there is no national level setting of priorities and targets, many of the sectoral activities which relate to biological diversity in general have identified their own priorities and targets, noting along the way the perceived obstacles to be encountered. As Ghana begins the review of the implementation of the Convention on Biological Diversity at the national level, it is expected that the milestones that are indicated in the goals of the strategic plan of the convention, the contributions expected in progress towards the achievement of the 2010 targets, as well as the contribution to the achievement of the Millennium Development Goals and the programme of action for sustainable development, will be reflected appropriately within the national strategy and Action Plans.

Currently, the country has in place a National Biodiversity Strategy document but this will be reviewed in due course in the light of new and emerging ideas or information to provide opportunities for identifying well-coordinated action plans against priorities and 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 programmes of the work of the Convention.

Article/Provision/Programme 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		X	
v) Inland water biodiversity			X
w) Marine and coastal biodiversity		X	
x) Dryland and subhumid land biodiversity		X	
y) Mountain biodiversity		X	

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	1	1	1	0	1	1	3	1	1	0	0	1	3	1	0	3
b) Limited public participation and stakeholder involvement	2	2	3	2	3	1	1	3	3	2	3	2	3	1	3	2	3	3
c) Lack of mainstreaming and integration of biodiversity issues into	3	3	3	3	2	3	1	2	3	3	3	1	3	3	3	3	3	3

other sectors																		
d) Lack of precautionary and proactive measures	1	3	2	2	3	3	1	2	3	3	3	1	3	1	3	3	2	3
e) Inadequate capacity to act, caused by institutional weakness	2	2	2	3	2	3	1	2	3	1	3	2	3	3	3	3	3	3
f) Lack of transfer of technology and expertise	2	2	2	3	1	3	1	1	3	1	2	2	3	3	3	2	3	3
g) Loss of traditional knowledge	3	1	3	1	3	2	3	1	3	3	3	3	3	3	3	3	3	3
h) Lack of adequate scientific research capacities to support all the objectives	2	2	3	2	1	2	1	1	3	3	3	1	2	3	3	3	3	3
i) Lack of accessible knowledge and information	1	1	2	1	1	3	1	1	3	1	1	1	1	1	3	2	2	3
j) Lack of public education and awareness at all levels	3	2	3	2	3	2	2	2	3	3	3	2	2	2	3	2	3	3
k) Existing scientific and traditional knowledge not fully utilized	3	2	1	1	3	3	1	2	3	2	2	1	1	1	3	2	2	3
l) Loss of	2	2	2	1	2	1	2	2	2	1	2	1	3	2	3	2	2	3

biodiversity and the corresponding goods and services it provides not properly understood and documented																		
m) Lack of financial, human, technical resources	2	3	3	3	2	2	2	1	3	3	3	2	3	3	3	3	3	3
n) Lack of economic incentive measures	1	3	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	1
o) Lack of benefit-sharing	2	2	3	2	3	3	3	2	3	3	3	3	3	3	3	3	3	3
p) Lack of synergies at national and international levels	2	2	2	1	2	2	1	1	2	1	2	1	1	1	2	2	3	2
q) Lack of horizontal cooperation among stakeholders	2	3	3	1	1	1	1	2	2	1	2	2	2	1	3	2	2	2
r) Lack of effective partnerships	3	3	3	1	1	1	1	2	3	2	2	2	2	3	3	1	2	3
s) Lack of engagement of scientific community	2	1	0	2	1	3	1	1	1	2	3	1	1	3	2	1	2	2
t) Lack of appropriate	2	1	1	1	1	3	1	1	3	1	1	2	3	3	3	1	3	3

policies and laws																		
u) Poverty	3	3	3	3	3	3	2	3	3	3	1	3	3	3	3	3	3	3
v) Population pressure	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3
w) Unsustainable consumption and production patterns	1	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	3	3
x) Lack of capacities for local communities	3	2	2	2	2	0	3	3	3	3	2	3	3	3	3	3	2	2
y) Lack of knowledge and practice of ecosystem-based approaches to management	1	2	2	3	2	3	3	3	3	2	3	1	3	3	3	3	3	3
z) Weak law enforcement capacity	1	3	3	3	2	3	1	3	3	3	3	3	3	3	3	3	3	3
aa) Natural disasters and environmental change	1	2	3	1	3	3	1	2	3	3	3	3	3	3	3	3	3	3
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 programmes of work of the Convention. Parties and Governments are invited to develop their own targets with this flexible framework. Please provide relevant information by responding to the questions and requests contained in the following tables.

Box III.

Goal 1	Promote the conservation of the biological diversity of ecosystems, habitats and biomes.		
Target 1.1	At least ten percent of each of the world's ecological regions effectively conserved		
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 wildlife protected areas 5.6%			
Forest 11.1%			
Wetlands 0.7%			
Total 17.4%			
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		11.1%

f) Mountain		x	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes		x	
Please provide details below.			
The forest and wildlife policy developed.			
IV) Please provide information on current status and trends in relation to this target.			
There are reforms now to involve local participation on issues of sustainable use, benefit sharing and incentives.			
Policy review under consideration.			
V) Please provide information on indicators used in relation to this target.			
Involvement of communities in conservation and sustainable use issues.			
Request of communities for management technologies.			
VI) Please provide information on challenges in implementation of this target.			
Reduction of rural poverty.			
Lifestyle change.			
Absence of appropriate legislation.			
Instituting appropriate benefit sharing arrangements.			
VII) Please provide any other relevant information.			
Absence of appropriate legislation.			
Instituting appropriate benefit sharing arrangements.			

Box IV.

Target 1.2	Areas of particular importance to biodiversity protected		
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.			
Forest wetlands and wildlife areas.			
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		Ex situ collection and management of genetic resources in progress.
b) Inland water	X		Water bodies in forest reserves and protected areas protected, inland Ramsar sites Protected.
c) Marine and coastal	x		Five lagoons are Ramsar sites.
d) Dry and subhumid land	X		Majority of wildlife protected areas located here.
e) Forest	X		11.1% of the forest area protected.
f) Mountain	X		Highlands of elevation up to 1000m exits mostly in forest and subhumid areas.
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
All the work programme of the six areas have been identified in the Biodiversity Strategy Document. Actions on them are yet to be mainstreamed.			
The agricultural and forestry sectors have specific programmes at the national level.			
IV) Please provide information on current status and trends in relation to this target.			
On-going			

V) Please provide information on indicators used in relation to this target.
Involvement of communities in conservation and sustainable use issues.
Request of communities for management technologies.
VI) Please provide information on challenges in implementation of this target.
Same as box III VI page 11
VII) Please provide any other relevant information.
Same as box III VI page 11

Box V.

Goal 2	Promote the conservation of species diversity		
Target 2.1	Restore, maintain, or reduce the decline of populations of species of selected taxonomic groups		
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.			
Some wild life such as marine turtles, sea shore birds, mangroves, and some food crops e.g. root and tuber crops.			
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		Special emphasis on agrobiodiversity based on genetic resource conservation.
b) Inland water		X	
c) Marine and coastal	X		Recovery plans for Mangroves, sea turtles, and sea shore birds.
d) Dry and subhumid land	X		Elephant{national}, hippopotamus, crocodiles [local initiative]

e) Forest	X		Hardwood enrichment
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes	X		
Please provide details below.			
Unless otherwise stated as in IId, the entries in the other rows are at the national.			
IV) Please provide information on current status and trends in relation to this target.			
Ongoing.			
V) Please provide information on indicators used in relation to this target.			
Reports on poaching and or kills of these animals received less frequently. Mangrove areas restored and or maintained.			
VI) Please provide information on challenges in implementation of this target.			
Continued utilization of mangrove as fuel wood. Bushmeat trade diverted to other organisms or other sources of income.			
VII) Please provide any other relevant information.			
None			

Box VI .

Target 2.2	Status of threatened species improved		
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 habitats of some specific organism or species are conserved. Ban on exploitation of certain species in force.			
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		Star rating system provided for tree species in Ghana.
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan		X	
c) Yes, into sectoral strategies, plans and programmes			
Please provide details below.			
Threatened species are being targeted for strategic rehabilitation.			
IV) Please provide information on current status and trends in relation to this target.			
Ongoing			
V) Please provide information on indicators used in relation to this target.			
A list of threatened species in the various habitats compiled.			
VI) Please provide information on challenges in implementation of this target.			
Taking the species off the threatened situation by improving their habitats.			
Monitoring and evaluating the population of threatened species.			
VII) Please provide any other relevant information.			
None			

Box VII.

Goal 3	Promote the conservation of genetic diversity		
Target 3.1	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		
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			X
Please provide details below.			
One aim of the Government of Ghana is to promote the conservation of genetic diversity. This is done from different sectoral policy directives eg. agriculture, fisheries, forestry, medicine etc.			
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		Livestock, fishery and aquaculture, and food crops production.
b) Inland water	X		Aquaculture development.
c) Marine and coastal	X		Coastal and brackish water aquaculture
d) Dry and subhumid land	X		Savanna crop research and production.
e) Forest	X		Forest resources research and production.
f) Mountain	X		There is a policy not to utilize slopes above 5°
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
The details in the column in II above apply.			
IV) Please provide information on current status and trends in relation to this target.			

Ongoing.
V) Please provide information on indicators used in relation to this target.
Improved crop and animal variety released.
VI) Please provide information on challenges in implementation of this target.
Maintenance of gene flow. Maintenance of gene banks. Prevention of genetic erosion.
VII) Please provide any other relevant information.
None.

Box VIII .

Goal 4	Promote sustainable use and consumption.		
Target 4.1	Biodiversity-based products derived from sources that are sustainably managed, and production areas managed consistent with the conservation of biodiversity		
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.			
Targets exist but they are not met.			
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		Fishery.
b) Inland water	X		Total allowable catch Open and close seasons -local
c) Marine and coastal	X		Total allowable catch Open and close seasons- local
d) Dry and subhumid land	X		Open and close seasons for wildlife.
e) Forest	X		Annual allowable cut-AAC.

f) Mountain		x	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes	X		
Please provide details below.			
As indicated in details column in II above.			
IV) Please provide information on current status and trends in relation to this target.			
Targets not met because of difficulties in enforcement.			
V) Please provide information on indicators used in relation to this target.			
Dwindling resources. Demand exceeds supply of resources.			
VI) Please provide information on challenges in implementation of this target.			
Monitoring and enforcement of resource utilization. A boost in the productivity.			
VII) Please provide any other relevant information.			
None			

Box IX.

Target 4.2	Unsustainable consumption, of biological resources, or that impacts upon biodiversity, reduced		
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.			
See target 4.1 box VIII.			
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		See target 4.1 box VIII

b) Inland water	X		See target 4.1 box VIII
c) Marine and coastal	X		See target 4.1 box VIII
d) Dry and subhumid land	X		See target 4.1 box VIII
e) Forest	X		See target 4.1 box VIII
f) Mountain	X		See target 4.1 box VIII
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
See target 4.1 box VIII			
IV) Please provide information on current status and trends in relation to this target.			
Unsustainable consumption is increasing.			
V) Please provide information on indicators used in relation to this target.			
Reduction in yields of resources.			
VI) Please provide information on challenges in implementation of this target.			
The need for education of resource users.			
VII) Please provide any other relevant information.			
None			

Box X.

Target 4.3	No species of wild flora or fauna endangered by international trade		
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.			
There is legislation place.			
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		Animals and plants
e) Forest	X		Animals and plants
f) Mountain	X		Animals and plants
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
Wildlife and timber certification process.			
IV) Please provide information on current status and trends in relation to this target.			
Implementation in progress.			
V) Please provide information on indicators used in relation to this target.			
Number of permits issued Reduced incidence of smuggling of animals and plants.			
VI) Please provide information on challenges in implementation of this target.			
Control of smuggling The status of the resources.			
VII) Please provide any other relevant information.			
None			

Box XI .

Goal 5	Pressures from habitat loss, land use change and degradation, and unsustainable water use, reduced.		
Target 5.1	Rate of loss and degradation of natural habitats decreased		
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.			
Aspects of land and aquatic resource use are in legislation.			
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		Legislation in place on water abstraction.
c) Marine and coastal	X		Legislation in place on pollution, sand mining.
d) Dry and subhumid land	X		Legislation on bush fires and other land use activities.
e) Forest	X		Legislation on bush fires and other land use activities.
f) Mountain	X		General legislation on the use of the habitats.
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
Details in II above.			
IV) Please provide information on current status and trends in relation to this target.			
Partial compliance with mixed results.			
V) Please provide information on indicators used in relation to this target.			

The forest cover has reduced. Some coastal waters are shrinking. Appearance of alien invasive species.
VI) Please provide information on challenges in implementation of this target.
Possibilities of reclamation and restoration. Communication, education and public awareness creation.
VII) Please provide any other relevant information.
None

Box XII.

Goal 6	Control threats from invasive alien species.		
Target 6.1	Pathways for major potential alien invasive species controlled		
I) National target: Has a national target been established corresponding to the global target above?			
a) No			
b) Yes, the same as the global target			X
c) Yes, one or more specific national targets have been established			
Please provide details below.			
Sensitization, quarantine provisions at the ports, immediate destruction of identified invasives.			
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		Management of obnoxious weeds eg. <i>Chromolaena</i> sp.
b) Inland water	X		Integrated aquatic weed control eg. <i>Eichhornia crassipes</i> .
c) Marine and coastal	X		Control of harmful marine algal bloom in the Western Region of Ghana eg. <i>Enteromorpha</i> sp.
d) Dry and subhumid land	X		Management of obnoxious weeds eg. <i>Chromolaena</i> sp.
e) Forest	X		Management of obnoxious weeds eg. <i>Chromolaena</i> sp.
f) Mountain	X		Management of obnoxious weeds eg. <i>Chromolaena</i> sp.
III) Has the global or national target been incorporated into relevant plans, programmes and			

strategies?	
a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X
Please provide details below.	
Refer to details in II above.	
IV) Please provide information on current status and trends in relation to this target.	
Ongoing	
V) Please provide information on indicators used in relation to this target.	
Reduced infestation of obnoxious weeds.	
VI) Please provide information on challenges in implementation of this target.	
Understanding the biology and ecology of the species in Ghana. Capacity to intercept unwanted invasive alien species.	
Understanding of the specificity of the biological control agents.	
VII) Please provide any other relevant information.	
None	

Box XIII.

Target 6.2	Management plans in place for major alien species that threaten ecosystems, habitats or species		
I) National target: Has a national target been established corresponding to the global target above?			
a) No			
b) Yes, the same as the global target			
c) Yes, one or more specific national targets have been established			X
Please provide details below.			
See box XII.			
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		See box XII for details
b) Inland water	x		See box XII for details

c) Marine and coastal	x		See box XII for details
d) Dry and subhumid land	x		See box XII for details
e) Forest	x		See box XII for details
f) Mountain	x		See box XII for details
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
See box XII for details			
IV) Please provide information on current status and trends in relation to this target.			
See box XII for details			
V) Please provide information on indicators used in relation to this target.			
See box XII for details			
VI) Please provide information on challenges in implementation of this target.			
See box XII for details			
VII) Please provide any other relevant information.			
None			

Box XIV.

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

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		X	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			X
Please provide details below.			
The Clean Development Mechanism			
IV) Please provide information on current status and trends in relation to this target.			
Ongoing			
V) Please provide information on indicators used in relation to this target.			
Carbon sinks are in place. Eg afforestation projects are ongoing, Natural forest are protected.			
VI) Please provide information on challenges in implementation of this target.			
Understanding of carbon sequestration consequences. Capacities in determination of atmospheric pollution.			
VII) Please provide any other relevant information.			
None			

Box XV.

Target 7.2		Reduce pollution and its impacts on biodiversity	
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.			
Guidelines on effluents, air quality developed and used.			
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		National Chemical Control Center for the use of agrochemicals
b) Inland water	X		Guidelines against Harmful effluent discharges A ban on the use of poisonous substances in fishing.
c) Marine and coastal	X		Guidelines against Harmful effluent discharges A ban on the use of poisonous substances in fishing.
d) Dry and subhumid land		X	
e) Forest		X	
f) Mountain		X	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes		X	
Please provide details below.			
As in II above.			
IV) Please provide information on current status and trends in relation to this target.			
Ongoing.			
V) Please provide information on indicators used in relation to this target.			
Maintenance of biodiversity.			

VI) Please provide information on challenges in implementation of this target.
Capacity to continuously monitor biodiversity.
VII) Please provide any other relevant information.
None.

Box XVI .

Goal 8	Maintain capacity of ecosystems to deliver goods and services and support livelihoods.		
Target 8.1	Capacity of ecosystems to deliver goods and services maintained		
I) National target: 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			X
Please provide details below.			
Legislations on protected areas are in force.			
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		Tree crop plantations are maintained
b) Inland water	X		Legislation to protect the integrity of inland waters in place.
c) Marine and coastal	X		Legislation to protect the integrity of marine and coastal waters in place. Guinea Current Large Marine Ecosystem Project in place. Restoration programmes for some coastal waters. E.g. Korle Lagoon.
d) Dry and subhumid land	X		Legislation in place. Northern Savanna Biodiversity Project in place. Strategy and Action Plan for desertification control in place.
e) Forest	X		Legislation in place. High Forest Biodiversity Project.

f) Mountain	X		Legislation in place. High Forest Biodiversity Project.
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes		X	
Please provide details below.			
See details in II above.			
IV) Please provide information on current status and trends in relation to this target.			
Ongoing.			
V) Please provide information on indicators used in relation to this target.			
Goods and services are being provided.			
VI) Please provide information on challenges in implementation of this target.			
Striking a balance between development and ecosystem health			
VII) Please provide any other relevant information.			
None.			

Box XVII.

Target 8.2	Biological resources that support sustainable livelihoods, local food security and health care, especially of poor people maintained		
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.			
Ghana Poverty Reduction Strategy- GPRS.			
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		Details in GPRS

b) Inland water	X		Details in GPRS
c) Marine and coastal	X		Details in GPRS
d) Dry and subhumid land	X		Details in GPRS
e) Forest	X		Details in GPRS
f) Mountain	X		Details in GPRS
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes		X	
Please provide details below.			
Details in GPRS.			
IV) Please provide information on current status and trends in relation to this target.			
On-going			
V) Please provide information on indicators used in relation to this target.			
Increase in the Gross Domestic Product-GDP.			
VI) Please provide information on challenges in implementation of this target.			
To increase productivity of critical biological resources.			
VII) Please provide any other relevant information.			
None.			

Box XVIII.

Goal 9	Maintain socio-cultural diversity of indigenous and local communities.		
Target 9.1	Protect traditional knowledge, innovations and practices		
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.		X	
Please provide details below.			

Draft legislation on Plant Variety before parliament.			
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		Draft Legislation
b) Inland water	X		Local Tradition
c) Marine and coastal	X		Local Tradition
d) Dry and subhumid land	X		Local Tradition
e) Forest	X		Local Tradition
f) Mountain	X		Local Tradition
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan		X	
c) Yes, into sectoral strategies, plans and programmes			
Please provide details below.			
See II above.			
IV) Please provide information on current status and trends in relation to this target.			
Compilation of information in progress.			
V) Please provide information on indicators used in relation to this target.			
Information is documented.			
Observance of traditional practices relevant to biodiversity conservation.			
VI) Please provide information on challenges in implementation of this target.			
Getting information from custodians of traditional knowledge.			
Protection of documented traditional knowledge.			
Valorization of traditional knowledge into scientific context.			
VII) Please provide any other relevant information.			
None.			

Box XIX.

Target 9.2	Protect the rights of indigenous and local communities over their traditional knowledge, innovations and practices, including their rights to benefit sharing		
I) National target: 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.			
Refer to Ghana Biodiversity Strategy document.			
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		See box xiii.
b) Inland water	X		See box xiii.
c) Marine and coastal	X		See box xiii.
d) Dry and subhumid land	X		See box xiii.
e) Forest	X		See box xiii.
f) Mountain	X		See box xiii.
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			X
c) Yes, into sectoral strategies, plans and programmes			
Please provide details below.			
Refer to Ghana Biodiversity Strategy document.			
IV) Please provide information on current status and trends in relation to this target.			
Ongoing.			
V) Please provide information on indicators used in relation to this target.			
The local communities are recognized as the custodians of traditional knowledge.			

The local communities are receiving benefits from traditional knowledge.
VI) Please provide information on challenges in implementation of this target.
The protection of the knowledge Development of benefit sharing guidelines. The transfer of knowledge from one generation to another.
VII) Please provide any other relevant information.
None

Box XX.

Goal 10	Ensure the fair and equitable sharing of benefits arising out of the use of genetic resources.		
Target 10.1	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		
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.			
Ghana has ratified the ITPGRFA and the CBD.			
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		The ITPGRFA document.
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, programmes and			

strategies?	
a) No	
b) Yes, into national biodiversity strategy and action plan	
c) Yes, into sectoral strategies, plans and programmes	X
Please provide details below.	
This is applied to only plant materials.	
IV) Please provide information on current status and trends in relation to this target.	
Ongoing.	
V) Please provide information on indicators used in relation to this target.	
Documentation and materials are available.	
VI) Please provide information on challenges in implementation of this target.	
How to ensure the proper transfer of genetic resources. Identification and tracking of materials that have been transferred.	
VII) Please provide any other relevant information.	
None.	

Box XXI .

Target 10.2	Benefits arising from the commercial and other utilization of genetic resources shared with the countries providing such resources		
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.			
In the process of developing a national 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		X	
III) Has the global or national target been incorporated into relevant plans, programmes and strategies?			
a) No			X
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			
Please provide details below.			
IV) Please provide information on current status and trends in relation to this target.			
Not applicable			
V) Please provide information on indicators used in relation to this target.			
Not applicable			
VI) Please provide information on challenges in implementation of this target.			
Not applicable			
VII) Please provide any other relevant information.			
Not applicable			

Box XXII.

Goal 11	Parties have improved financial, human, scientific, technical and technological capacity to implement the Convention.		
Target 11.1	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		
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, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			
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.

Target 11.2	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		
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, programmes and strategies?			
a) No			
b) Yes, into national biodiversity strategy and action plan			
c) Yes, into sectoral strategies, plans and programmes			
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.

Target 1. A widely accessible working list of known plant species, as a step towards a complete world flora.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
<p>A process of producing a flora of Ghana is in progress. Herbaria are in existence and records of plants are in place Some books are available that indicate useful plants e.g. as tree or medicinal uses, etc. Participation in plant resource of tropical Africa Project PROTA</p>	

II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
See I above	
III) Current status (please indicate current status related to this target)	
Close to realizing a national aim of producing a 'Flora of Ghana'	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Additional field collections being carried out. Review of existing literature. Training of taxonomists.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
On-going	
VI) Constraints to achieving progress towards the target	
Inadequate financial support. Inadequate human resource. Lack of infrastructure. Weak institutional capacity	
VII) Any other relevant information	
None	

Box XXV.

Target 2. A preliminary assessment of the conservation status of all known plant species, at national, regional and international levels.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Endemic, endangered and threatened species are being recorded and the monitoring process is on-going	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
<p>A joint project on medicinal plants of Ghana between the University of Ghana and the Department of Parks and Gardens with assistance from the Darwin Initiative and International Botanic Gardens has been undertaken.</p> <p>A study of Rheophytes of Ghana has been undertaken by the University of Ghana the CSIR and Royal Botanic Garden Kew, with the assistance of Darwin initiative.</p> <p>Conservation status of trees of Ghana has been conducted by the Ministry of Lands and Forestry.</p> <p>Usefulness of trees, shrubs and herbs in Ghana.</p>	
III) Current status (please indicate current status related to this target)	
On-going	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
<p>Developing techniques for ethno-botanical surveys by relevant research institutions, including some NGOs in the country.</p> <p>Development of taxonomic needs assessment</p>	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	

Increasing number of traditional and other local knowledge holders engaged. Sensitization of the general public on usefulness of plants. Availability of some publications.
VI) Constraints to achieving progress towards the target
Lack of financial support. Inadequate human resource. Lack of infrastructure. Weak institutional capacity.
VII) Any other relevant information
None

Box XXVI.

Target 3. Development of models with protocols for plant conservation and sustainable use, based on research and practical experience.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
However ,mangroves have protection under the National Wetlands strategy based on the results of the lower Volta mangrove project funded by DFID and implemented by Ministry of Lands and Forestry	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	
b) No	X
Please specify	
See I above.	
III) Current status (please indicate current status related to this target)	
On -going	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	

<p>Research activities On-going District Assemblies enacting appropriate bye-laws. Community managed natural resource reserves.</p>
<p>V) Progress made towards target (please specify indicators used to monitor progress towards the target)</p> <p>Increase in the establishment of appropriate District Bye-Laws. The number of communities managing natural resource reserves</p>
<p>VI) Constraints to achieving progress towards the target</p> <p>Inadequate financial support. Chronic poverty. Lack of relevant skills. Lack of inter -sectoral and ministerial linkages.</p>
<p>VII) Any other relevant information</p>

Box XXVII.

<p>Target 4. At least ten percent of each of the world's ecological regions effectively conserved.</p>	
<p>I) Has your country established national target corresponding to the above global target?</p>	
<p>a) Yes</p>	<p>X</p>
<p>b) No</p>	
<p>Please specify</p> <p>Ghana falls into 2 eco regions namely upper and lower Guinea within which at least 10% of every terrestrial ecological zone has been conserved.</p>	
<p>II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?</p>	
<p>a) Yes</p>	<p>X</p>
<p>b) No</p>	
<p>Please specify</p> <p>Forestry Commission of Ghana has established protected areas and Ramsar sites. Traditional authorities have established traditional groves which constitute core reserved areas</p>	
<p>III) Current status (please indicate current status related to this target)</p>	

These constitute the <i>in-situ</i> conservation models.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
There is a Legislative Instrument in respect of the above. Staff of the Forestry Commission oversee these sites. Local participation encouraged. Local taboos are respected.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
Areas under coverage are intact. Wild life species are present.	
VI) Constraints to achieving progress towards the target	
Limited financial resources for management.	
VII) Any other relevant information	
None	

Box XXVIII.

Target 5. Protection of fifty percent of the most important areas for plant diversity assured.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Use of other indicator organisms and or areas e.g. important bird areas, sanctuaries for keystone species and Globally Significant Biodiversity Areas [GSBAs].	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
GSBAs incorporated into the Forestry Commission programmes. Important bird areas and sanctuary programmes precipitated the adoption of the above.	
III) Current status (please indicate current status related to this target)	

All terrestrial ecological zones are fully represented in the high biodiversity conservation areas.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
There is a draft legislation towards this target	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
The public has been sensitized on the existence of high biodiversity areas through billboards and other advertisements. Concept has engaged the attention of NGOs and local authorities and other bodies.	
VI) Constraints to achieving progress towards the target	
Inadequate financial resources Inadequate development and dissemination of Communication, Educational, and Public Awareness [CEPA] materials.	
VII) Any other relevant information	
None	

Box XXIX.

Target 6. At least thirty percent of production lands managed consistent with the conservation of plant diversity.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Agroforestry, <i>Taungya</i> systems, ethno-botanical considerations as well as religious beliefs in some plants as sacred encourage the conservation of plant biodiversity in production lands.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	

As a general practice in farming systems in Ghana, crop production is always in the presence of other plants usually economic plants.
III) Current status (please indicate current status related to this target)
On-going
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)
Extension officers are in place. Transfer of traditional knowledge through cultural interactions especially festivals. Rehabilitation of degraded landscapes through Taungya.
V) Progress made towards target (please specify indicators used to monitor progress towards the target)
There are other useful plants maintained on crop farmlands.
VI) Constraints to achieving progress towards the target
Land use changes e.g. urbanization, roads, etc. are putting pressure on existing farmlands The problems of land tenure.
VII) Any other relevant information
None

Box XXX.

Target 7. Sixty percent of the world's threatened species conserved <i>In-situ</i>.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Efforts are being made to protect some threatened species, e.g. the plant, <i>Talbotiella gentii</i> , and Miss Waldron's red colobus monkey, <i>Colobus badius [waldronii]</i> .	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	

a) Yes	X
b) No	
Please specify	
Forestry Commission, Government Departments and Agencies, Universities, NGOs, and local groups involved in the protection.	
III) Current status (please indicate current status related to this target)	
Strategies are on-going	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Awareness has been created about the predicament of the species. Surveys are on-going	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
The population distribution of <i>Talbotiella gentii</i> has been determined, and silvicultural indices of the species have been documented. Surveys on-going for <i>Colobus badius [waldronii]</i> .	
VI) Constraints to achieving progress towards the target	
Inadequate human and financial resources	
VII) Any other relevant information	
None	

Box XXXI.

Target 8. Sixty percent of threatened plant species in accessible <i>Ex-situ</i> collections, preferably in the country of origin, and 10 percent of them included in recovery and restoration programmes.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Over 60% are in <i>ex situ</i> collections and more than 10% are being protected as indicated in Target 7	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
Arboreta, Botanic Gardens, and Herbaria are established by notable national institutions. Home gardens, orchards, and other such facilities have been established by organizations and individuals.	
III) Current status (please indicate current status related to this target)	
Threatened plant species have been documented Researches are on-going	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Some research has been carried out. Awareness on usefulness created. Commercialization of products initiated.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
On-going -see IV above	
VI) Constraints to achieving progress towards the target	

Inadequate financial and human resources Limited access to land. Non availability of materials - propagules for regeneration.
VII) Any other relevant information
None

Box XXXII.

Target 9. Seventy percent of the genetic diversity of crops and other major socio-economically valuable plant species conserved, and associated indigenous and local knowledge maintained.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Academic and research institutions for this purpose have been established at the national level.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
This has led to the establishment of these academic and research institutions e.g. CSIR Plant Genetic Resources Research Institute - PlantGRRRI- collects, documents and conserves plant genetic resources of Ghana in collaboration with the academic and research institutions and other stakeholders.	
III) Current status (please indicate current status related to this target)	
More than 70% of genetic diversity Ghana has been conserved.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Creation and management of gene banks e.g. PlantGRRRI at Bunso. Recognition of PlantGRRRI as the national focal point for plant genetic resources. Associated local knowledge are also collected.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	

Representative genetic resources of major crops and pasture plants of Ghana have been conserved in different ecological zones in different research and academic institutions.

VI) Constraints to achieving progress towards the target

Inadequate financial and human resources
 Infrastructural limitation, e.g. cryopreservation facilities, Molecular marker technology.
 Limited access to Land.

VII) Any other relevant information

None

Box XXXIII.

Target 10. Management plans in place for at least 100 major alien species that threaten plants, plant communities and associated habitats and ecosystems.

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

a) Yes	X
b) No	

Please specify

There is a national programme on two alien species, namely, *Chromolaena odorata* and *Eichhornia crassipes*

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

a) Yes	X
b) No	

Please specify

Agricultural and forest management plans.

III) Current status (please indicate current status related to this target)

Sufficient awareness creation has been achieved.
 Studies have gone into understanding the status of other alien invasive species in Ghana.

IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)

Sensitization of the populace. Management strategies introduced, many of them based on several local experiences.
V) Progress made towards target (please specify indicators used to monitor progress towards the target)
Some awareness created. Plants being used by the people.
VI) Constraints to achieving progress towards the target
Inadequate financial resources to manage invasives.
VII) Any other relevant information
None

Box XXXIV.

Target 11. No species of wild flora endangered by international trade.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Wild life and forest certification process in place. There is no law regulating export of plant materials except for timber. However, Ghana regulates exports of CITES-listed plant species.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
Mainly in the Biodiversity Strategy Document.	
III) Current status (please indicate current status related to this target)	
With the exception of timber and CITES-listed species, export of other plant materials are not regulated.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Serious discussions are underway	

V) Progress made towards target (please specify indicators used to monitor progress towards the target)
Access to genetic resources and other materials, including plants is under discussion for the proper legislation.
VI) Constraints to achieving progress towards the target
Inability to Control indiscriminate and unsustainable harvesting. Absence of legislation on export of plant materials except for timber and CITES listed species.
VII) Any other relevant information
None

Box XXXV.

Target 12. Thirty percent of plant-based products derived from sources that are sustainably managed.	
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, programmes 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 XXXVI.

Target 13. The decline of plant resources, and associated indigenous and local knowledge, innovations and practices that support sustainable livelihoods, local food security and health care, halted.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	
b) No	X
Please specify	
II) Has your country incorporated the above global or national target into relevant plans, programmes 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 XXXVII .

Target 14. The importance of plant diversity and the need for its conservation incorporated into communication, educational and public-awareness programmes.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Most conservation programmes bring out plant diversity and their conservation.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
<p>Ministry of Environment and Science instituted best environmental reporting award. Occasional workshops for journalists and teachers organized by appropriate Government agencies and environmental NGOs.</p> <p>Traditional and opinion leaders have become involved in awareness creation. Celebration of International Days associated with Biodiversity, Environment, Earth, Drought and Desertification, Wetlands, Water, Food, etc., which highlight conservation of biodiversity.</p> <p>Observation of special weeks at the local level for specific biodiversity-related activities, e.g. forestry and wildlife, water and watershed.</p>	
III) Current status (please indicate current status related to this target)	

On-going, but progress is slow

IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)

Workshops to educate participants.

Using media to reach the general public.

Creation of incentives.

Establishment of plant nurseries and tree planting schemes in catchment areas and other habitable surroundings.

Establishment of Wildlife and other environmental clubs in schools and communities.

V) Progress made towards target (please specify indicators used to monitor progress towards the target)

Production of teachers' manual for environmental studies.

Introduction of environmental study programmes in tertiary institutions.

National organization of tree planting days.

VI) Constraints to achieving progress towards the target

Inadequate financial resources

Negative attitudes towards plant conservation

Absence of long-term land use plans e.g. for 'green belt' development

VII) Any other relevant information

None

Box XXXVIII.

Target 15. The number of trained people working with appropriate facilities in plant conservation increased, according to national needs, to achieve the targets of this Strategy.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Academic and research institutions undertaking training of people. Some institutions and NGOs being resourced to undertake training.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
In National Biodiversity Strategy Document.	
III) Current status (please indicate current status related to this target)	
Increase in number of trained personnel. Increase in the number of NGOs in Biodiversity conservation.	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Local and overseas training. Periodic reviews of curricula to reflect current issues in biodiversity conservation. Sensitization of the public.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
Increase in number of trained personnel. Increase in the number of NGOs in Biodiversity conservation. Facilities for training, research, monitoring, and conservation provided.	
VI) Constraints to achieving progress towards the target	
Inadequate financial resource. Unstructured and uncoordinated public education.	
VII) Any other relevant information	
None	

Box XXXIX.

Target 16. Networks for plant conservation activities established or strengthened at national, regional and international levels.	
I) Has your country established national target corresponding to the above global target?	
a) Yes	X
b) No	
Please specify	
Some NGOs and facilities like Botanic Gardens and Herbaria are networked internationally. Other network facilities exist for forest plants.	
II) Has your country incorporated the above global or national target into relevant plans, programmes and strategies?	
a) Yes	X
b) No	
Please specify	
Through Plant Resources for Tropical Africa, Tropenbos Ghana, CBUD, Northern Savanna Biodiversity Project, Conservation International Ghana, Birdlife International through Ghana Wildlife Society, Nature Conservation and Research Center, Friends of the Earth, etc.	
III) Current status (please indicate current status related to this target)	
On-going	
IV) Measures taken to achieve target (please indicate activities, legislative measures and other steps taken with a view to achieve the target)	
Establishment of a Website for Ghana's biodiversity information in progress. Focal points established for PROTA and Tropenbos at FORIG in Kumasi Other local NGOs are in contact with well-known international organizations, e.g. WWF, IUCN, Earth Watch International, and BirdLife International.	
V) Progress made towards target (please specify indicators used to monitor progress towards the target)	
Some networks are in place, and others are being planned. Publications by PROTA, Tropenbos, Conservation International, etc. More trained young scientists are working in areas of biodiversity conservation.	

VI) Constraints to achieving progress towards the target
Inadequate financial resources. Presence of communication gaps between and among NGOs and Government institutions.
VII) Any other relevant information
None

Box XL.

<p>Please elaborate below on the implementation of this strategy specifically focusing on:</p> <ul style="list-style-type: none"> 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.
<ul style="list-style-type: none"> a) Outcomes and impacts of actions taken have been variable, but overall they have been found to be positive. b) The GSPC has been relevant and meaningful in the achievement of the goals of the strategic plan of the convention. c) Although considerable amount of progress has been made, there is need for more action towards the achievement of the 2010 target d) Progress has been very slow in implementation as a result of lack of communication and coordination among the sectors that control biodiversity conservation e) In ensuring the conservation of plant biodiversity, human livelihoods are expected to improve in the areas of food security, good family health and environmental sustenance which would lead to the achievement of the Millennium Development Goals 1 and 4-7 f) The constraints encountered in implementation of the GSPC are in the areas of financial and human resource limitations, communication and coordination

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.

3. ?¹ Is your country applying the ecosystem approach, taking into account the principles and guidance contained in the annex to decision V/6? (decision V/6)	
a) No	
b) No, but application is under consideration	X
c) Yes, some aspects are being applied	X
d) Yes, substantially implemented	

4. ? Is your country developing practical expressions of the ecosystem approach for national policies and legislation and for implementation activities, with adaptation to local, national, and regional conditions? (decision V/6)	
a) No	
b) No, but development is under consideration	X
c) Yes, practical expressions have been developed for applying some principles of the ecosystem approach	X
d) Yes, practical expressions have been developed for applying most principles of the ecosystem approach	

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

5. 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	

6. ? 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
Further comments on regional cooperation in applying the ecosystem approach across national borders.	
Guinea Current Large Marine Ecosystem programme which involves countries bordering the Gulf of Guinea	

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 programmes are under development	
c) Yes, some programmes are being implemented (please provide details below)	X
d) Yes, comprehensive programmes are being implemented (please provide details below)	
Further comments on facilitating the exchange of experiences, capacity building, technology transfer and awareness raising to assist with the implementation of the ecosystem approach.	
The ecosystem-based approach for sustainable livelihood in coastal communities in Ghana.	
A Darwin funded project for a Toolkit for managing wetland based on the ecosystem approach is being implemented by the Centre for African Wetlands, the University of Liverpool and the Ghana Wildlife Society.	

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 programmes are under development	X
c) Yes, some policies and programmes are in place (please provide details below)	
d) Yes, comprehensive policies and programmes are in place (please provide details below)	
Further comments on the creation of an enabling environment for the implementation of the ecosystem approach.	

C. ARTICLES OF THE CONVENTION

Article 5 – Cooperation

9. ? Is your country actively cooperating with other Parties in respect of areas beyond national jurisdiction for the conservation and sustainable use of biological diversity?	
a) No	
b) Yes, bilateral cooperation (please give details below)	
c) Yes, multilateral cooperation (please give details below)	
d) Yes, regional and/or subregional cooperation (please give details below)	X
e) Yes, other forms of cooperation (please give details below)	
Further comments on cooperation with other Parties in respect of areas beyond national jurisdiction for the conservation and sustainable use of biodiversity.	
Guinea Current Large Marine Ecosystem which involves 18 countries along the shores of the Gulf of Guinea International Commission for the Conservation of Atlantic Tunas- ICCAT ECOWAS Protocol- free movement of humans and animals Volta Basin catchment- Ghana, Togo, Burkina Faso, La Côte d'Ivoire	

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)	
a) No	X
b) No, but consultations are under way	
c) Yes, some mechanisms and networks have been established (please provide details below)	
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.	
11. Is your country taking steps to harmonize national policies and programmes, with a view to optimizing policy coherence, synergies and efficiency in the implementation of various multilateral environment agreements (MEAs) and relevant regional initiatives at the national level? (decision VI/20)	
a) No	
b) No, but steps are under consideration	
c) Yes, some steps are being taken (please specify below)	X
d) Yes, comprehensive steps are being taken (please specify below)	
Further comments on the harmonization of policies and programmes at the national level.	
Rio Conventions are harmonized.	

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.	
a)	Outcomes and impacts of actions taken are effective
b)	Through regional and sub-regional co-operations, aspects of the

Convention programmes are implemented which contribute to the goals of the strategic plan

- c) As a result of these multilateral co-operations awareness of the 2010 target has become apparent
- d) Implementing biodiversity strategies and action plans in the sub-region has been minimal
- e) contribution to the achievement of the Millennium Development Goals has been minimal
- f) Constraints encountered in implementation include linguistic divide, financial and human resources and political instability

Article 6 - General measures for conservation and sustainable use

12. Has your country put in place effective national strategies, plans and programmes 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 programmes are under development	
c) Yes, some strategies, plans and programmes are in place (please provide details below)	X
d) Yes, comprehensive strategies, plans and programmes are in place (please provide details below)	

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

The strategic plan encompasses the broad objectives of all the sectors responsible for biodiversity conservation. However, strategic actions to coordinate all sectors are being developed.

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.

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 identified, e.g. international cooperation, participation of all stakeholders including local communities, application of biotechnology, capacity-building for monitoring, incorporation of traditional knowledge, awareness creation, access and benefit sharing, asserting tenurial rights, and establishment of a National Biodiversity Commission

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

a) No	
b) Yes, in some sectors (please provide 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, programmes and policies.

Forestry sector rewards through royalties on any timber tree felled.

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

a) Yes	X
b) No	

I) If **YES**, please briefly describe the extent to which it addresses

(a) Conservation, sustainable use and/or restoration of migratory species	By providing corridors
---	------------------------

(b) Conservation, sustainable use and/or restoration of migratory species' habitats, including protected areas	Providing corridors
(c) Minimizing or eliminating barriers or obstacles to migration	On-going
(d) Research and monitoring for migratory species	On-going
(e) Transboundary movement	On-going
II) If NO, please briefly indicate below	
(a) The extent to which your country addresses migratory species at national level	
(b) Cooperation with other Range States since 2000	

Biodiversity and Climate Change

17. Has your country implemented projects aimed at mitigating and adapting to climate change that incorporate biodiversity conservation and sustainable use? (decision VII/15)	
a) No	
b) No, but some projects or programs are under development	
c) Yes, some projects have been implemented (please provide details below)	X
Further comments on the projects aimed at mitigating and adapting to climate change that incorporate biodiversity conservation and sustainable use.	
As part of the Netherlands Climate Assistance ' NCA' Project on impact of climate change on land management including biodiversity.	

18. 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.	

Box XLII .

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

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

All issues under reference are on-going.

Article 7 - Identification and monitoring

19.2 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 programmes at the genetic, species and/or ecosystem level only (please specify and provide details below)	
c) Yes, complete programmes at ecosystem level and selected/partial inventories at the genetic and/or species level (please specify and provide details below)	X

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

Tilapia genetics, *Milicia* spp. [iroko] etc.

20. ? On Article 7(b), which components of biological diversity identified in accordance with Annex I of the Convention, have ongoing, systematic monitoring programmes?	
a) at ecosystem level (please provide percentage based on area covered)	Terrestrial 17%
b) at species level (please provide number of species per taxonomic group and percentage of total known number of species in each group)	Incomplete data
c) at genetic level (please indicate number and focus of monitoring programmes)	
Further comments on ongoing monitoring programmes at the genetic, species and ecosystem level.	

21. ? On Article 7(c), does your country have ongoing, systematic monitoring programmes 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)	X
d) Yes, pollution/eutrophication (please provide details below)	X
e) Yes, land use change/land degradation (please provide details below)	X
f) Yes, overexploitation or unsustainable use (please provide details below)	X
Further comments on monitoring programmes on key threats to biodiversity.	
<p>A number of Ghanaian institutions are involved in developing strategies for the management of effects of invasive alien species.</p> <p>EPA of Ghana is monitoring CFCs and advising on phase-out period.</p> <p>Most lagoons in Ghana are polluted and undergoing eutrophication.</p> <p>UNU-PLEC Project has indicated the resilience of agro-biodiversity in the face of land use change.</p> <p>Marine fisheries, Lake Volta fisheries and brackish water fisheries indicate overexploitation and use of inappropriate fishing methods</p>	

22. ? On Article 7 (d), does your country have a mechanism to maintain and organize data derived from inventories and monitoring programmes 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	X
b) No, but identification of potential indicators is under way (please describe)	
c) Yes, some indicators identified and in use (please describe and, if available, provide website address, where data are summarized and presented)	
d) Yes, a relatively complete set of indicators identified and in use (please describe and, if available, provide website address, where data are summarized and presented)	
Further comments on the indicators identified and in use.	

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.

All of the above issues related to implementation are on-going

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.

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	X
b) Yes (please provide details below)	

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

26.? Does your country provide training programmes in taxonomy and work to increase its capacity of taxonomic research? (decision IV/1)	
a) No	
b) Yes (please provide details below)	X
Further information on training programmes in taxonomy and efforts to increase the capacity of taxonomic research.	
Universities and research institutes are providing opportunities for training in an effort to increase capacity of taxonomic research. However these efforts are hampered by infrastructural, human and financial limitations.	

27.? 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	

28.*² 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 programmes are under development	
c) Yes, some collaborative programmes are being implemented (please provide details about collaborative programmes, including results of regional needs assessments)	
d) Yes, comprehensive collaborative programmes are being implemented (please provide details about collaborative programmes, including results of regional needs assessment and priority identification)	

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

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.

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	X
b) Yes, basic assessment made (please provide below a list of needs and capacities identified)	
c) Yes, thorough assessment made (please provide below a list of needs and capacities identified)	

Further comments on national assessment of taxonomic needs and capacities.

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 programmes 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 programmes 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 programmes 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	X
b) No, but potential measures are being identified	
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.	

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	
c) Yes, legislation or other measures are in place (please provide details below)	X
Further information on the legislation and/or regulations for the protection of threatened species and populations.	
Wildlife Preservation Act 43 of 1961.	
Fisheries Law Act 625 2002.	

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	
b) No, but relevant processes and categories of activities being identified	X
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.

<p>Please elaborate below on the implementation of this article and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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
In issues relating to implementation of this article actions are either on-going or non-existent.

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

36. Has your country established suitable time bound and measurable national-level protected areas targets and indicators? (decision VII/28)	
a) No (please specify reasons)	
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)	X
Further comments on targets and indicators for protected areas.	
Government of Ghana has decided that every ecological zone in the country should have a representative protected area established.	

37. 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 programmes are under development	
c) Yes, limited actions taken (please provide details below)	
d) Yes, significant actions taken (please provide details below)	X
Further comments on actions taken to establish or expand protected areas.	
Globally Significant Biodiversity Areas e.g. Atiwa, Bawjiase, Bobiri, and Kyabobo National Park established.	

38. 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	X
b) Not applicable	
c) No, but relevant actions are being considered	
d) Yes, limited actions taken (please provide details below)	
e) Yes, significant actions taken (please provide details below)	
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.	

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)	
a) No	
b) No, but some programmes 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.	
Existence of Ramsar Sites provided an initiative for involving local authorities in management of protected areas.	

40. Is your country applying environmental impact assessment guidelines to projects or plans for evaluating effects on protected areas? (decision VII/28)	
a) No	
b) No, but relevant EIA guidelines are under development	
c) Yes, EIA guidelines are applied to some projects or plans (please provide details below)	
d) Yes, EIA guidelines are applied to all relevant projects or plans (please provide details below)	x
Further comments on application of environmental impact assessment guidelines to projects or plans for evaluating effects on protected areas.	
EIA is mandatory for all projects in sensitive areas.	

41. Has your country identified legislative and institutional gaps and barriers that impede effective establishment and management of protected areas? (decision VII/28)	
a) No	
b) No, but relevant work is under way	
c) Yes, some gaps and barriers identified (please provide details below)	x
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.	

Compensation issues have been identified as the major gaps.

42. Has your country undertaken national protected-area capacity needs assessments and established capacity building programmes? (decision VII/28)

a) No	
b) No, but assessments are under way	
c) Yes, a basic assessment undertaken and some programmes established (please provide details below)	
d) Yes, a thorough assessment undertaken and comprehensive programmes established (please provide details below)	X
Further comments on protected-area capacity needs assessment and establishment of capacity building programmes.	
This has been undertaken as part of restructuring of wildlife and forest sub-sectors.	

43. Is your country implementing country-level sustainable financing plans that support national systems of protected areas? (decision VII/28)

a) No	X
b) No, but relevant plan is under development	
c) Yes, relevant plan is in place (please provide details below)	
d) Yes, relevant plan is being implemented (please provide details below)	
Further comments on implementation of country-level sustainable financing plans that support national systems of protected areas.	

44. Is your country implementing appropriate methods, standards, criteria and indicators for evaluating the effectiveness of protected areas management and governance? (decision VII/28)

a) No	X
b) No, but relevant methods, standards, criteria and indicators are under development	
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.

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.

Issues related to the above are on-going.

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	
b) Yes, some alien species identified but a tracking system not yet established	X
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.

Chromolaena odorata and *Eichhornia crassipes* are two examples of such alien species.

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.	
Plant Quarantine Unit. Integrated aquatic weed control. Destruction of identified invasive plants. Sensitization of general public.	

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 biogeographical 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 biogeographical approaches in work on alien invasive species.	

50. Has your country identified national needs and priorities for the implementation of the Guiding Principles? (decision VI/23)	
a) No	
b) No, but needs and priorities are being identified	
c) Yes, national needs and priorities have been identified (please provide below a list of needs and priorities identified)	X

Further comments on the identification of national needs and priorities for the implementation of the Guiding Principles.

Through the alien invasive species project of the Commonwealth Agricultural Bureau international (CABI) with six African countries including Ghana, the needs and priorities for Ghana have been identified.

51. Has your country created mechanisms to coordinate national programmes 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 programmes for implementing the Guiding Principles.

52. 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.

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)

a) No	
b) No, but potential coordination mechanisms are under consideration	x
c) Yes, mechanisms are in place (please provide details below)	

Further comments on cooperation between various sectors.

54. Is your country collaborating with trading partners and neighboring countries to address threats of invasive alien species to biodiversity in ecosystems that cross international boundaries? (decision VI/23)	
a) No	
b) Yes, relevant collaborative programmes are under development	X
c) Yes, relevant programmes are in place (please specify below the measures taken for this purpose)	
Further comments on collaboration with trading partners and neighboring countries.	

55. Is your country developing capacity to use risk assessment to address threats of invasive alien species to biodiversity and incorporate such methodologies in environmental impact assessment (EIA) and strategic environmental assessment (SEA)? (decision VI/23)	
a) No	X
b) No, but programmes for this purpose are under development	
c) Yes, some activities for developing capacity in this field are being undertaken (please provide details below)	
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.	

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.

Issues on implementation of this article are on-going.

Article 8(j) - Traditional knowledge and related provisions

GURTS

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

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

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

Status and Trends

58. Has your country supported indigenous and local communities in undertaking field studies to determine the status, trends and threats related to the knowledge, innovations and practices of indigenous and local communities? (decision VII/16)

a) No	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.

Akwé:Kon Guidelines

59. Has your country initiated a legal and institutional review of matters related to cultural, environmental and social impact assessment, with a view to incorporating the Akwé:Kon Guidelines into national legislation, policies, and procedures?	
a) No	X
b) No, but review is under way	
c) Yes, a review undertaken (please provide details on the review)	
Further information on the review.	

60. Has your country used the Akwé:Kon Guidelines in any project proposed to take place on sacred sites and/or land and waters traditionally occupied by indigenous and local communities? (decision VII/16)	
a) No	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

61. Has your country undertaken any measures to enhance and strengthen the capacity of indigenous and local communities to be effectively involved in decision-making related to the use of their traditional knowledge, innovations and practices relevant to the conservation and sustainable use of biodiversity? (decision V/16)

a) No	
b) No, but some programmes being developed	
c) Yes, some measures taken (please provide details below)	X
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.

Drafting of the Biodiversity Strategy involved some representatives of local communities.

Communities involved in harvesting strategies from protected areas e.g. the Kakum National Park.

62. 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	
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)	X

Further information on the mechanisms, guidelines and legislation developed.

There is no documented guidelines and legislation in the involvement of the local people. However, it has become a tradition to invite and involve them in decision-making, policy planning and development

63. Has your country developed mechanisms for promoting the full and effective participation of indigenous and local communities with specific provisions for the full, active and effective participation of women in all elements of the programme of work? (decision V/16, annex)	
a) No	
b) No, but relevant mechanisms are being developed	
c) Yes, mechanisms are in place (please provide details below)	X
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.	
In all activities in communities, women participation is encouraged.	

Support to implementation

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

65. Has your country assisted indigenous and local community organizations to hold regional meetings to discuss the outcomes of the decisions of the Conference of the Parties and to prepare for meetings under the Convention?	
a) No	X
b) Yes (please provide details about the outcome of meetings)	
Further information on the outcome of regional meetings.	

66. Has your country supported, financially and otherwise, indigenous and local communities in formulating their own community development and biodiversity conservation plans that will enable such communities to adopt a culturally appropriate strategic, integrated and phased approach to their development needs in line with community goals and objectives?	
a) No	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.	

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.

Issues related to the above are all on-going.

Article 9 - Ex-situ conservation

67. ? On Article 9(a) and (b), has your country adopted measures for the *ex-situ* 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	
c) Yes, some measures are in place (please provide details below)	
d) Yes, comprehensive measures are in place (please provide details below)	X

Further information on the measures adopted for the *ex-situ* conservation of components of biodiversity native to your country and originating outside your country.

Presence of herbaria, botanic gardens, arboreta, museums, zoos, and other forms of gene banks.

68. ? 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.

69. ? 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)	
d) Yes, comprehensive measures are in place (please provide details below)	X
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.	
Plant genetic material obtained from farmers for establishing gene banks.	

Box XLVIII.

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:	
<ul style="list-style-type: none"> 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. 	
Issues related to the above are all on-going.	

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	
c) Yes, in some relevant sectors (please provide details below)	X
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.	
Wildlife and forest sub-sectors	

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.	
Value addition to timber logs prior to export reduces the rampant rate of tree felling.	

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	
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)	X
Further information on the measures that protect and encourage customary use of biological resources that is compatible with conservation or sustainable use requirements.	
District assemblies and traditional authorities are ensuring sustainable utilization of biological resources through enactment of by-laws which relate to traditional norms and taboos.	

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	
b) No, but potential measures are under review	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures that help local populations develop and implement remedial action in degraded areas where biodiversity has been reduced.	
Through community afforestation programmes and taungya systems.	

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, programmes and policies for the sustainable use of biological diversity, especially in pursuit of poverty alleviation? (decision V/24)	
a) No	
b) No, but potential practices, programmes and policies are under review	
c) Yes, some policies and programmes are in place (please provide details below)	X
d) Yes, comprehensive policies and programmes are in place (please provide details below)	
Further information on sustainable use programmes and policies.	
Development of aquaculture will reduce the pressure on natural resources and provide alternative livelihoods	

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	
c) Yes, mechanisms are in place (please describe below)	X
Further comments on the development of mechanisms to involve the private sector in initiatives on the sustainable use of biodiversity.	
Private sector is considered as the engine of growth and therefore opportunities are available to them in this sphere. Some identifiable NGOs are fully involved.	

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.	

78. 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 programmes are under development	
c) Yes, some technologies developed and transferred and limited financial resources provided (please provide details below)	
d) Yes, many technologies developed and transferred and significant financial resources provided (please provide details below)	
Further comments on the development and transfer of technologies and 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

79. ? Has your country established mechanisms to assess, monitor and measure the impact of tourism on biodiversity?	
a) No	
b) No, but mechanisms are under development	
c) Yes, mechanisms are in place (please specify below)	X
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.	
Baseline data on coastal sensitivity (ESI maps and reports) by EPA.	
Stakeholders' Workshop on Environmental Impacts of Coastal Tourism by the Ministry of	

80. ? Has your country provided educational and training programmes 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	X
b) No, but programmes are under development	
c) Yes, programmes are in place (please describe below)	
Further comments on educational and training programmes provided to tourism operators.	

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 programmes are being considered	
c) Yes, some programmes are in place (please provide details below)	X
d) Yes, comprehensive programmes 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 tourist destinations, like the Kakum National Park, Boaben-Fiema sanctuary and Wli water falls fall in this category where the local people have received financial and capacity building resources.	

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	
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)	X

Further information on the sectors where the principles of the Guidelines on Biodiversity and Tourism Development are integrated.

The National Biodiversity Strategy deals with this

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.

Article 11 - Incentive measures

83. ? Has your country established programmes 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	X
b) No, but relevant programmes are under development	
c) Yes, some programmes are in place (please provide details below)	
d) Yes, comprehensive programmes are in place (please provide details below)	

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

84. ? 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 programmes 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 programmes.

85. ? Has your country developed training and capacity-building programmes to implement incentive measures and promote private-sector initiatives? (decision III/18)

a) No	X
b) No, but relevant programmes are under development	
c) Yes, some programmes are in place	
d) Yes, many programmes are in place	

86. Does your country take into consideration the proposals for the design 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	X
b) Yes (please provide details below)	

Further information on the proposals considered when designing and implementing the incentive measures for the conservation and sustainable use of biodiversity.

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.

Issues related to the above are all on-going.

Article 12 - Research and training

88. ? On Article 12(a), has your country established programmes 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 programmes are under development	
c) Yes, programmes are in place (please provide details below)	X

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

Involvement of universities, research institutes and other government agencies in this area in research and training are in place.

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.

Involvement of universities, research institutes and other government agencies in this area in research and training are in place.

Bilateral research and training relationships with some developed countries is providing opportunities in this area.

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.

A number of institutes of the CSIR and the Ghana Atomic Energy Commission (GAEC) are in league with the universities and other agencies both within and outside the country in the development of technologies for conservation and sustainable use of biological diversity, e.g. timber species, fish, food and cash crops, snails and small mammals, etc.

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.

- a) There has been tremendous improvement in research and training
- b) Many research products have contributed to the conservation of biological diversity
- c) Many research activities have provided opportunity for reducing the trend in loss of biological diversity
- d) Implementation of the National Biodiversity Strategy has provided new research leads.
- e) Many of the research products are promoting the achievement of the Millennium Development Goals
- f) Financial constraints notwithstanding, our researchers have blazed the trail in successfully attracting strategic and or contract research funding.

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

92. Is your country undertaking any activities to facilitate the implementation of the programme of work on Communication, Education and Public Awareness as contained in the annex to decision VI/19? (decision VI/19)	
a) No	X
b) No, but some programmes are under development	
c) Yes, some activities are being undertaken (please provide details below)	
d) Yes, many activities are being undertaken (please provide details below)	
Further comments on the activities to facilitate the implementation of the programme of work on CEPA.	

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 programmes are under development	
c) Yes, to a limited extent (please provide details below)	
d) Yes, to a significant extent (please provide details below)	X
Further comments on the promotion of biodiversity-related issues through the press, the various media and public relations and communications networks at national level.	

Involvement of some stakeholders in educating the public on importance of biodiversity conservation at thematic national day celebrations.

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.

Through the print and electronic media and environmental and wildlife clubs in schools and communities.

95. Is your country supporting national, regional and international activities prioritized by the Global Initiative on Education and Public Awareness? (decision VI/19)

a) No	X
b) No, but some programmes are under development	
c) Yes, some activities supported (please provide details below)	
d) Yes, many activities supported (please provide details below)	

Further comments on the support of national, regional and international activities prioritized by the Global Initiative on Education and Public Awareness.

96. Has your country developed adequate capacity to deliver initiatives on communication, education and public awareness?

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

Further comments on the development of adequate capacity to deliver initiatives on communication, education and public awareness.

Some organisations are implementing conservation education programmes in schools and communities. e.g. Ghana Wildlife Society.

97. Does your country promote cooperation and exchange programmes for biodiversity education and awareness at the national, regional and international levels? (decisions IV /10 and VI/19)	
a) No	
b) Yes (please provide details below)	X
Further comments on the promotion of cooperation and exchange programmes for biodiversity education and awareness, at the national, regional and international levels.	
Attendance and active participation in international fora on biodiversity conservation and sustainable use.	

98. Is your country undertaking some CEPA activities for implementation of cross-cutting issues and thematic programmes of work adopted under the Convention?	
a) No (please specify reasons below)	X
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)	
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 programmes of work adopted under the Convention.	
CEPA activities have not been brought to the fore in Ghana.	

99. ? Does your country support initiatives by major groups, key actors and stakeholders that integrate biological diversity conservation matters in their practice and education programmes as well as into their relevant sectoral and cross-sectoral plans, programmes 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 programmes as well as their relevant sectoral and cross-sectoral plans, programmes and policies.	
A number of local programmes are in consonance with such initiatives e.g. MIKE programme of CITES, species survival Commission Initiative of IUCN, etc.	

100. Is your country communicating the various elements of the 2010 biodiversity target and establishing appropriate linkages to the Decade on Education for Sustainable Development in the implementation of your national CEPA programmes and activities? (decision VII/24)	
a) No	X
b) No, but some programmes are under development	
c) Yes, some programmes developed and activities undertaken for this purpose (please provide details below)	
d) Yes, comprehensive programmes 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.	

Box LII .

Please elaborate below on the implementation of this article and associated decisions specifically focusing on:
<ul style="list-style-type: none"> 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.
CEPA has not been implemented as a strategy in Ghana. However, several aspects of it are already being applied, which eventually contribute to issues a-e above with attendant emphasis to inherent constraints.

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	
d) Yes, legislation is in place (please provide details below)	X
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.

The Environmental Assessment Regulation of 1999, LI 1652.

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

a) No	
b) No, mechanisms are still in early stages of development	
c) No, but mechanisms are in advanced stages of development	
d) Yes, mechanisms are in place (please provide details below)	x

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

The GPRS was subjected to a Strategic Environmental Assessment.

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)	
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.

West African Gas Pipeline Project between Ghana, Togo, Benin and Nigeria is an example.

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	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 based on current scientific knowledge	

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	
b) No, mechanisms are still in early stages of development	
c) No, but mechanisms are in advanced stages of development	
d) Yes, mechanisms are in place (please provide details below)	X

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

Ghana has in place a National Disaster Management Organization (NADMO), Ghana National Fire Service, and Community-based Fire Fighters.

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	
c) Yes, some aspects being applied (please specify below)	X
d) Yes, major aspects being applied (please specify below)	

Further comments on application of the guidelines.

The SEA has been conducted for a number of projects, namely, the VIP, Tema EPZ, AgSSIP, GPRS, and Small towns water supply project. However, the timing of the SEA is ineffective, rendering very vital data irrelevant.

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	
b) Yes (please specify the measures)	X

Further comments on national legislative, administrative or policy measures regarding liability and redress for damage to biological diversity.

Compensation is paid for damage.
There are punishments meted out for other infractions.

108. Has your country put in place any measures to prevent damage to biological diversity?	
a) No	
b) No, but some measures are being developed	
c) Yes, some measures are in place (please provide details below)	
d) Yes, comprehensive measures are in place (please provide details below)	X
Further information on the measures in place to prevent damage to biological diversity.	
Refer to 107 notes above.	
Permit required for tree felling and in addition replanting must be done.	

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 programmes 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.	
The West Africa Gas Pipeline.	
Guinea Current Large Marine Ecosystem (GCLME)	
Ocean Data and Information Network for Africa (ODINAFRICA) project of IOC/UNESCO.	

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.

- a. EIA procedures in Ghana are intact and effective.
- b. The actions can contribute to the achievement of the goals of the strategic plan of the Convention
- c. The procedures contribute to the reduction in the loss of biodiversity towards the 2010 targets
- d. The implementation of the National Biodiversity strategy will benefit from the EIA procedures.
- e. The EIA procedures contribute to the removal of hunger and alleviation of poverty.
- f. The agency responsible for EIA should be proactive.

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.

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.

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.

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.

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	X
b) No, but steps being taken to do so (please provide details below)	
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)	X
b) No	
Please provide further information on capacity-building activities (your involvement as donor or recipient, key actors involved, target audience, time period, goals and objectives of the capacity-building activities, main capacity-building areas covered, nature of activities). Please also specify whether these activities took into account the Action Plan on capacity-building for access and benefit-sharing adopted at COP VII and available in annex to decision VII/19F.	

Box LIV.

<p>Please elaborate below on the implementation of this article and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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.
Issues relating to this article are under consideration.

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.	

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	
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	X

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	
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	X
Further information on the measures taken.	

Box LV.

Please elaborate below on the implementation of this article specifically focusing on:
<ul style="list-style-type: none"> 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.
Issues relating to access to and transfer of technology are under consideration.

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 programmes are under development	
c) Yes, some programmes being implemented (please provide details below)	
d) Yes, comprehensive programmes 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.

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.

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

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

Biosafety in biotechnology programmes.

125. Has your country taken any of the measures specified under Target 3.2 of the programme 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.	

Box LVI.

<p>Please elaborate below on the implementation of this article and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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.
Issues in this article are under consideration.

Article 17 - Exchange of information

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

The following question (127) is for DEVELOPED COUNTRIES

127. ? 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 programmes, 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 programmes, specialized knowledge, repatriation of information and so on	
c) Yes, and they include categories of information listed in Article 17 (2), such as technical, scientific and socio-economic research, training and surveying programmes, specialized knowledge, repatriation of information and so on	

Box LVII .

<p>Please elaborate below on the implementation of this article and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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

128. ? 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	
c) Yes, some measures are in place (please provide details below)	X
d) Yes, comprehensive measures are in place (please provide details below)	
Further information on the measures to promote international technical and scientific cooperation.	
The establishment of CHM and a National Biosafety Database which is being further developed into the National Biosafety- Clearing House.	

129. ? 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	
b) No, but relevant methods are under development	
c) Yes, methods are in place	X

130. ? On Article 18(5), has your country promoted the establishment of joint research programmes and joint ventures for the development of technologies relevant to the objectives of the Convention?	
a) No	
b) Yes (please provide some examples below)	X
Examples for the establishment of joint research programmes and joint ventures for the development of technologies relevant to the objectives of the Convention.	
Technical cooperation between Forestry Research Institute of Ghana and the DFID on forest tree identification.	

131. 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	
b) No, but coordination with relevant NGOs, private sector and other institutions under way	
c) Yes, links established with relevant NGOs, private sector and institutions	X

The following question (132) is for DEVELOPED 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.	

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	X
c) Yes (please provide details below)	
Further comments on development of relevant initiatives.	

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	X
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.	

Box LVIII.

<p>Please elaborate below on the implementation of this article and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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.
Issues relating to this article implementation are under consideration.

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	
c) Yes, some measures are in place	X
d) Yes, comprehensive legislation are in place	
e) Yes, comprehensive statutory policy and subsidiary legislation are in place	
f) Yes, comprehensive policy and administrative measures are in place	

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.

With regard to issues a-e above, the country has developed its Biosafety framework with implementing technical guidelines but its accompanying Biosafety Bill is under serious consideration.

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	The Ministry of Environment and Science allocated an amount of €364,915,064 (equivalent to \$40,546.118) for activities relating to biodiversity conservation in 2004 and 2005
b) Extra-budgetary resources (identified by donor agencies)	uncertain
c) Bilateral channels (identified by donor agencies)	The Irish Government has sponsored a case study exercise on ABS with an amount of \$16,000
d) Regional channels (identified by donor agencies)	uncertain
e) Multilateral channels (identified by donor agencies)	<u>GEF Sponsored projects:</u> National: 24.575 Million US D. Regional: 11.761 Million US D Global : 15.275 Million US D
f) Private sources (identified by donor agencies)	uncertain
g) Resources generated through financial instruments, such as charges for use of biodiversity	uncertain

Box LXI.

Please describe in detail below any major financing programmes, such as biodiversity trust funds or specific programmes that have been established in your country.

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	X
d) Yes, financial support and incentives (please provide details below)	
Further comments on financial support and incentives provided.	

The next question (138) is for DEVELOPED COUNTRIES

138. ? On Article 20(2), has your country provided new and additional financial 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.	

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.	
Biodiversity considerations have been integrated into the Poverty Reduction Strategy.	

144. Is your country enhancing the integration of biological diversity into the sectoral development and assistance programmes? (decision VII/21)	
a) No	
b) No, but relevant programmes are under development	
c) Yes, into some sectoral development and assistance programmes (please provide details below)	x
d) Yes, into major sectoral development and assistance programmes (please provide details below)	
Further comments on the integration of biodiversity into sectoral development and assistance programmes	
Wildlife Division Support project Northern Savanna Biodiversity Conservation Project.	

The next question (145) is for DEVELOPED COUNTRIES

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

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 (private)
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	x	
e) Development of national strategies or action plans to deal with alien species (decision VI/23)		x	
f) <i>Ex-situ</i> conservation, establishment and maintenance of <i>Ex-situ</i> conservation facilities (decision V/26)		x	x
g) Projects that promote measures for implementing Article 13 (Education and Public Awareness) (decision VI/19)			
h) Preparation of national reports (decisions III/9, V/19 and VI/25)	x		
i) Projects for conservation and sustainable use of inland water biological diversity (decision IV/4)		x	x
j) Activities for conservation and sustainable use of agricultural biological diversity (decision V/5)		x	x
k) Implementation of the Cartagena Protocol on Biosafety (decision VI/26)	x	x	
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.

- a. There has been a growing public awareness in biodiversity conservation in all levels.
- b. There is an increased number of local community involvement in biodiversity conservation activities in the country.
- c. There is high potential of reducing biodiversity loss by 2010.
- d. It has enabled Ghana develop its Biodiversity Strategy. The preparation of the Action Plan is awaiting funding.
- e. The livelihoods of communities along reserves have been improved by their involvement in ecotourism activities.
- f. Funding has always been a problem.

D. THEMATIC AREAS

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

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

Challenges	Programme of Work					
	Agricultural	Forest	Marine and coastal	Inland water ecosystem	Dry and subhumid lands	Mountain

(a) Lack of political will and support	0	0	0	0	0	0
(b) Limited public participation and stakeholder involvement	1	2	3	3	2	N.A
(c) Lack of mainstreaming and integration of biodiversity issues into other sectors	3	3	3	3	3	3
(d) Lack of precautionary and proactive measures	2	2	2	2	2	2
(e) Inadequate capacity to act, caused by institutional weakness	2	2	2	2	2	2
(f) Lack of transfer of technology and expertise	3	3	3	3	3	3
(g) Loss of traditional knowledge	1	3	1	1	3	N.A
(h) Lack of adequate scientific research capacities to support all the objectives	1	1	2	2	2	3
(i) Lack of accessible knowledge and information	1	1	2	2	2	3
(j) Lack of public education and awareness at all levels	2	3	3	3	3	3
(k) Existing scientific and traditional knowledge not fully utilized	1	1	1	1	1	N.A

(l) Loss of biodiversity and the corresponding goods and services it provides not properly understood and documented	1	1	2	2	2	3
(m) Lack of financial, human, technical resources	1	2	3	3	3	3
(n) Lack of economic incentive measures	1	1	3	3	2	3
(o) Lack of benefit-sharing	1	2	2	2	2	3
(p) Lack of synergies at national and international levels	1	1	3	3	2	3
(q) Lack of horizontal cooperation among stakeholders	2	1	2	2	1	N.A
(r) Lack of effective partnerships	1	1	3	3	2	N.A
(s) Lack of engagement of scientific community	0	0	1	1	0	3
(t) Lack of appropriate policies and laws	1	2	1	1	1	1
(u) Poverty	3	3	3	3	3	3
(v) Population pressure	3	3	3	3	3	3
(w) Unsustainable consumption and production patterns	3	3	3	3	3	N.A
(x) Lack of capacities for local communities	0	2	1	1	3	N.A

(y) Lack of knowledge and practice of ecosystem-based approaches to management	3	3	3	3	2	3
(z) Weak law enforcement capacity	2	3	3	3	3	N.A
(aa) Natural disasters and environmental change	3	2	1	1	3	3
(bb) Others (please specify)	None	None	None	None	None	None

Inland water ecosystems

148. Has your country incorporated the objectives and relevant activities of the programme of work into the following and implemented them? (decision VII/4)				
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 programme of work				
Although a lot of activities are undertaken by a number of institutions, including the Water Commission, CSIR Water Research Institute, Ghana Water Company, Fisheries Directorate of the Ministry of Fisheries, these are not specifically along the programme of work.				

149. Has your country identified priorities for each activity in the programme of work, including timescales, in relation to outcome oriented targets? (decision VII/4)	
a) No	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).	

150. Is your country promoting synergies between this programme of work and related activities under the Ramsar Convention as well as the implementation of the Joint Work Plan (CBD-Ramsar) at the national level? (decision VII/4)	
a) Not applicable (not Party to Ramsar Convention)	
b) No	
c) No, but potential measures were identified for synergy and joint implementation	X
d) Yes, some measures taken for joint implementation (please specify below)	
e) Yes, comprehensive measures taken for joint implementation (please specify below)	
Further comments on the promotion of synergies between the programme of work and related activities under the Ramsar Convention as well as the implementation of the Joint Work Plan (CBD-Ramsar) at the national level.	

151. Has your country taken steps to improve national data on: (decision VII/4)			
Issues	Yes	No	No, but development is under way
a) Goods and services provided by inland water ecosystems?	X		
b) The uses and related socioeconomic variables of such goods and services?	X		

c) Basic hydrological aspects of water supply as they relate to maintaining ecosystem function?	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.			
Documentation on fish species, aquatic plants including alien invasives, plankton, and hydrobiology, etc.			

152. 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.

<p>Please elaborate below on the implementation of this programme of work and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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.
<p>Even though the programme of work has not been strictly followed, the mandate of the institutions responsible for inland water ecosystems enables them to achieve substantial levels of development as far as impacts and achievement of the MDGs on the livelihoods of the local communities are concerned.</p>

Marine and coastal biological diversity

General

153. Do your country's strategies and action plans include the following? Please use an "X" to indicate your response. (decisions II/10 and IV/15)	
a) Developing new marine and coastal protected areas	
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 programmes 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	X
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)	X
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>Community-based fisheries management, integrated coastal zone management strategies and national wetlands management committee in place.</p> <p>Courses in Integrated Coastal Management are offered in the Universities.</p> <p>Non-governmental organizations are involved in training and capacity building.</p> <p>Korle Lagoon Ecological Restoration Project.</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	
d) Arrangements in place (please provide details below)	X
e) Not applicable	

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

Ministry of Environment and Science
 Environmental Protection Agency
 Guinea Current Large Marine Ecosystem (GCLME)
 Gulf of Guinea Large Marine Ecosystem projects
 Ghana National Commission of Intergovernmental and Oceanography
 Commission
 Ocean Data and Information Network for Africa (ODINAFRICA)
 Community-based organizations.

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.

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	
<p>Studies on marine turtles, marine mammals, mangroves, plankton, marine macro algae and organisms on the bottom of the sea are on-going. Others include:</p> <p>Monitoring of sea turtles and coastal avifauna.</p> <p>Environmental Sensitivity Index maps and reports.</p> <p>Coastal and Wetland management projects.</p>	

157. Is your country undertaking the following activities to implement the Convention's work plan on coral reefs? Please use an "X" to indicate your response.				
Activities	Not implemented nor a priority	Not implemented but a priority	Currently implemented	Not applicable
a) Ecological assessment and monitoring of reefs				x
b) Socio-economic assessment and monitoring of communities and stakeholders				x
c) Management, particularly through application of integrated coastal management and marine and coastal protected areas in coral reef environments				X

d) Identification and implementation of additional and alternative measures for securing livelihoods of people who directly depend on coral reef services				X
e) Stakeholder partnerships, community participation programmes 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				
h) Development of a rapid response capability to document coral bleaching and mortality				X
i) Restoration and rehabilitation of degraded coral reef habitats				X
j) Others (please specify below)				
Please elaborate on ongoing activities.				

Marine and Coastal Protected Areas

158. Which of the following statements can best describe the current status of marine and coastal protected areas in your country? Please use an "X" to indicate your response.	
a) Marine and coastal protected areas have been declared and gazetted (please indicate below how many)	X
b) Management plans for these marine and coastal protected areas have been developed with involvement of all stakeholders	X
c) Effective management with enforcement and monitoring has been put in place	X
d) A national system or network of marine and coastal protected areas is under development	
e) A national system or network of marine and coastal protected areas has been put in place	

f) The national system of marine and coastal protected areas includes areas managed for purpose of sustainable use, which may allow extractive activities	X
g) The national system of marine and coastal protected areas includes areas which exclude extractive uses	
h) The national system of marine and coastal protected areas is surrounded by sustainable management practices over the wider marine and coastal environment.	
i) Other (please describe below)	
j) Not applicable	
Further comments on the current status of marine and coastal protected areas.	
5 Ramsar sites established.	

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.	

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.	
Ghana is yet to undertake any activity relating to 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.

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Agricultural biological diversity

161. ? Has your country developed national strategies, programmes 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, programmes and plans are under development	
c) Yes, some strategies, programmes and plans are in place (please provide details below)	X
d) Yes, comprehensive strategies, programmes and plans are in place (please provide details below)	

Further comments on agrobiodiversity components in national strategies, programmes and plans.

There are some guidelines on agrochemicals, farming on slopes along waterways, etc.

162. ? Has your country identified ways and means to address the potential impacts of genetic use restriction technologies on the *In-situ* and *Ex-situ* conservation and sustainable use, including food security, of agricultural biological diversity? (decision V/5)

a) No	
b) No, but potential measures are under review	X
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 *In-situ* and *Ex-situ* conservation and sustainable use of agricultural biodiversity.

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

Programme element 1 – Assessment	
163. Has your country undertaken specific assessments of components of agricultural biodiversity such as on plant genetic resources, animal genetic resources, pollinators, pest management and nutrient cycling?	
a) No	
b) Yes, assessments are in progress (please specify components below)	X
c) Yes, assessments completed (please specify components and results of assessments below)	
Further comments on specific assessments of components of agricultural biodiversity.	
Agricultural research institutions are assessing genetically improved local varieties of crops and livestock, and fish.	

164. 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	X
b) Yes, assessments are under way	
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).	

165. 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	X
b) Yes, assessment is under way	
c) Yes, assessment completed (please specify where information can be retrieved below)	
Further comments on assessment of the knowledge, innovations and practices of farmers and indigenous and local communities.	

166. 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	X
b) Yes, no change found (status quo)	
c) Yes, overall degradation found (please provide details below)	
d) Yes, overall restoration or rehabilitation observed (please provide details below)	
Further comments on observations.	

Programme element 2 - Adaptive management	
167. Has your country identified management practices, technologies and policies that promote the positive, and mitigate the negative, impacts of agriculture on biodiversity, and enhance productivity and the capacity to sustain livelihoods?	
a) No	
b) No, but potential practices, technologies and policies being identified	
c) Yes, some practices, technologies and policies identified (please provide details below)	X
d) Yes, comprehensive practices, technologies and policies identified (please provide details below)	
Further comments on identified management practices, technologies and policies.	
Control of use of agrochemicals, sustainable land use, agro forestry practices, control of bushfires, zero tillage agriculture being promoted in some areas.	

Programme 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 <i>In-situ</i> conservation, sustainable use and management of agricultural biological diversity?	
a) No	
b) Yes (please specify area/component and target groups with increased capacity)	X
Further comments on increased capacities of farmers, indigenous and local communities, and their organizations and other stakeholders.	

Use of extension officers and NGOs, farmers has been taught to improve their home gardens, integrated farming systems, and increased capacity to use animal traction.

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 programme of work on agricultural biodiversity?

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

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	
b) No, but some measures and arrangements being identified	
c) No, but measures and arrangements are under development	X
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 programmes?

a) No	
b) No, but review is under way	X
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 programmes (please provide details below)	
e) Yes, some national plans or strategies mainstreamed into major sectoral plans and programmes (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 programmes.

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.

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.

Plant Genetic Resources Research Institute collects crop germ plasm for on-farm and *ex situ* conservation.

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.

There is currently a programme on pollinators being coordinated at the University of Cape Coast.

Box LXVI.

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.

a)-e) Regardless of the constraints, the establishment of gene banks ensures the maintenance of agro-biodiversity which in turn can improve food security and thus addressing the MDGs

Forest Biological Diversity

General

174. Has your country incorporated relevant parts of the work programme into your national biodiversity strategies and action plans and national forest programmes?

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 programmes

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.

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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	
175. Is your country applying the ecosystem approach to the management of all types of forests?	
a) No (please provide reasons below)	x
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).	

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

Options	X	Details
a) Yes	X	<p>Please specify below the major threats identified in relation to each objective of goal 2 and the measures undertaken to address priority actions</p> <p>Obj.1- the prominent IAS in the Ghanaian forest ecosystem is <i>Chromolaena odorata</i>, which is being managed.</p> <p>Obj. 3-A number of adaptation actions have been established For Climate change mitigation.</p> <p>Obj. 4- Ghana has Forest fire prevention and control policy which is enforced by the communities and the local Government.</p> <p>Obj. 6- Ghana has developed as part of its protected area management systems, ecological corridors at the national and international level to link fragmented forests.</p>
b) No		Please provide reasons below

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

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

Options	X	Details
a) Yes	x	Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities

		<p>Obj. 1- restoration: Degraded secondary forests are being restored through plantation and or enrichment planting.</p> <p>Obj. 2.- endemic and threatened sp: Ghana has established Globally Significant Biodiversity Areas to protect these species where they occur.</p> <p>Obj. 3.- protected forest area networks: Ghana has a well developed protected area network across the country to reflect the different forest types.</p>
b) No		Please provide reasons below
Further comments on measures to protect, recover and restore forest biological diversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).		

178. Is your country undertaking any measures to promote the sustainable use of forest biological diversity?		
Options	X	Details
a) Yes	x	<p>Please specify priority actions in relation to each objective of goal 4 and describe measures undertaken to address these priorities</p> <p>Obj.1- sustainable use of forest resources: Licensing and permit issuance and annual allowable cut of timber.</p> <p>Obj.2- unsustainable harvesting of forest resources: Licensing and permit issuance and annual allowable cut of timber.</p> <p>Obj.3-participation of local people: the observance of local taboos and by-laws and their involvement in decision making.</p>
b) No		Please provide reasons below
Further comments on the promotion of the sustainable use of forest biological diversity (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).		

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

Options	X	Details
a) Yes	x	<p>Please specify priority actions in relation to each objective of goal 5 and describe measures undertaken</p> <p>We are currently developing more holistic measures to take into account the adhoc approaches that have been in place.</p>
b) No		<p>Please provide reasons below</p>

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

Programme element 2 – Institutional and socio-economic enabling environment

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

Options	X	Details
a) Yes		<p>Please identify priority actions in relation to each objective of Goal 1 and describe measures undertaken to address these priorities</p> <p>Obj.1- comprehension of causes of loss of forest biodiversity: there are Government institutions that are continuously studying these. E.g. Forest Research Institute of Ghana-CSIR and the divisions of the Forestry Commission.</p> <p>Obj.2- integration of biodiversity into other sectors: This is not fully in place.</p> <p>Obj.3- governance: There is a strong governance structure in place.</p> <p>Obj.4- law enforcement and trade: This is being vigorously Pursued.</p>
b) No		<p>Please provide reasons below</p>

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	X	<p>Please identify priority actions in relation to each objective of Goal 2 and describe measures undertaken to address these priorities</p> <p>This is one goal which Ghana seeks support to be able to accomplish. The issue of cost benefit analysis is difficult to undertake in the situation where the value of biodiversity is only determined by timber.</p>
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	X	<p>Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities</p> <p>A number of Government and civil society organizations have intensified efforts to increase public awareness on biological diversity.</p>
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	x	Please identify priority actions in relation to each objective of Goal 1 and describe measures undertaken to address these priorities Obj.2- Classification systems and maps: These are updated from time to time. Obj.3- Surveying in priority areas: This is on-going.
b) No		Please provide reasons below
Further comments on characterization of forest ecosystems at various scales (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).		

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	x	Please identify priority actions in relation to each objective of goal 2 and describe measures undertaken to address these priorities An attempt has been made to develop criteria and indicators for forest status and trends assessment.
b) No		Please provide reasons below

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

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	x	<p>Please identify priority actions in relation to each objective of goal 3 and describe measures undertaken to address these priorities</p> <p>Some on-going researches from the universities and research institutions provide information on the understanding of the relationship between forest ecosystem and ecological functioning.</p> <p>The Forest Research Institute of Ghana has embarked upon research to restore the availability of some identifiable hardwoods in the ecosystem.</p>
b) No		<p>Please provide reasons below</p>
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	x	<p>Please identify priority actions in relation to each objective of goal 4 and describe measures undertaken to address these priorities</p> <p>The Resource Management Support Centre of the Forestry Services Division in collaboration with the Forest Research Institute of Ghana have, developed data bases.</p>

b) No		Please provide reasons below
Further comments on the improvement of the infrastructure for data and information management (including effectiveness of actions taken, lessons learned, impacts on forest biodiversity, constraints, needs, tools and targets).		

Box LXXI.

<p>Please elaborate below on the implementation of this programme of work and associated decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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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Even though the work programme of the forest biological diversity has not been followed strictly, it can be observed that the actions so far on the ground make adequate contributions to a-e referred to above in the implementation.

It is believed that when the work programme becomes properly integrated into the national focus with adequate capacities at the institutional and human levels and with funding, constraints that may hinder progress or success will be avoided.

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 programme of work? (decisions V/23 and VII/2)	
a) No	
b) Yes (please provide details below)	x
Further comments on scientific, technical and financial support, at the national and regional levels, to the activities identified in the programme of work.	
The activities provided in the programme of work are being handled by the Environmental Protection Agency.	

188. Has your country integrated actions under the programme of work of dry and sub-humid lands into its national biodiversity strategies and action plans or the National Action Programme (NAP) of the UNCCD? (decisions V/23, VI/4 and VII/2)	
a) No	
b) Yes (please provide details below)	x
Further comments on actions under the programme of work of dry and sub-humid lands integrated into national biodiversity strategies and action plans or the National Action Programme (NAP) of the UNCCD.	
Their main priority is to ensure that the landscape is protected from bushfires and other destructive activities in the environment.	

189. Has your country undertaken measures to ensure synergistic/collaborative implementation of the programme of work between the national UNCCD process and other processes under related environmental conventions? (decisions V/23, VI/4 and VII/2)	
a) No	
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 programme of work between the national UNCCD processes and other processes under related environmental conventions.	
There are some adaptation projects which have landscape restoration and protection and biodiversity conservation in focus in an attempt to mitigate the harmful effects of climate change on the environment.	

Programme 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	
b) No, but assessment is ongoing	x
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.	

Programme 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	
b) Yes, some measures taken (please provide details below)	x
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.	
There are a number of Government agencies and Civil Society Organizations that are actively working with local communities to ensure the conservation and sustainable use of biological diversity of dry and sub-humid areas of Ghana.	
The Northern Savanna Biodiversity Project, which focuses on useful biological resources of the people in the dry and sub-humid areas, is developing programmes for the conservation and sustainable use of biodiversity of the area.	

192. Has your country taken measures to strengthen national capacities, including local capacities, to enhance the implementation of the programme of work?	
a) No	
b) Yes, some measures taken (please provide details below)	x
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 programme of work.	
Capacities are being developed in the communities by both government and civil society groups.	

Box LXXII.

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.

Even though the work programme of the forest biological diversity of dry and sub-humid lands has not been followed strictly, it can be observed that the actions so far on the ground make adequate contributions to a-e referred to above in the implementation.

It is believed that when the work programme becomes properly integrated into the national focus with adequate capacities at the institutional and human levels and with funding, constraints that may hinder progress or success will be avoided.

Mountain Biodiversity

Programme Element 1. Direct actions for conservation, sustainable use and benefit sharing

193. Has your country taken any measures to prevent and mitigate the negative impacts of key threats to mountain biodiversity?

a) No	
b) No, but relevant measures are being considered	
c) Yes, some measures taken (please provide details below)	x
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

Land use restrictions apply at slope gradients of more than 10%.

194. 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)	x
d) Yes, many measures taken (please provide details below)	
Further comments on the measures taken to protect, recover and restore mountain biodiversity	
The landscape of Afadjato mountain range in the Volta Region of Ghana near the border with the Republic of Togo is being rehabilitated.	

195. 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)	x
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	
Some measures are being considered at the local community levels.	

196. 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	x
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	x
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	x
b) No, but relevant programmes are under development	
c) Yes, some measures are in place (please provide details below)	
d) Yes, comprehensive measures are in place (please provide details below)	

Further comments on the measures for identification, monitoring and 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	X
b) No, but relevant programmes are under development	
c) Yes, some measures are in place (please provide details below)	
d) Yes, comprehensive measures are in place (please provide details below)	

Further comments on the measures for improving research, technical and scientific cooperation and capacity building for conservation and sustainable use of mountain biodiversity

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

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

Further comments on the measures to develop, promote, validate and transfer appropriate technologies for the conservation of mountain ecosystems

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.

The outcomes and impacts cannot be assessed in the absence of a national work programme on mountains.

E. OPERATIONS OF THE CONVENTION

202. Has your country actively participated in subregional and regional activities in order to prepare for Convention meetings and enhance implementation of the Convention? (decision V/20)

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

Further comments on the regional and subregional activities in which your country has been involved.

Ghana has actively participated in all sponsored Regional Preparatory and other regional thematic Meetings for the Conference of Parties. These meetings, when scheduled, have been very useful.

203. Is your country strengthening regional and subregional cooperation, enhancing integration and promoting synergies with relevant regional and subregional processes? (decision VI/27 B)

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

Further comments on regional and subregional cooperation and processes.

Ghana is implementing this through the Clearing House Mechanisms (CHM), the ECOWAS protocol, Guinea Current Large Marine Ecosystems project, West Africa Gas pipeline Project etc.

The following question (204) is for DEVELOPED COUNTRIES

204. 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 programmes are under development	
c) Yes, included in existing cooperation frameworks (please provide details below)	
d) Yes, some cooperative activities ongoing (please provide details below)	

Further comments on support for the work of existing regional coordination mechanisms and the development of regional and subregional networks or processes.

205. 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	X

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	X
b) Yes (please provide details below)	
Further comments on contribution to the assessment of the regional and subregional mechanisms.	

Box LXXIV.

<p>Please elaborate below on the implementation of the above decisions specifically focusing on:</p> <ul style="list-style-type: none"> 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.
<ul style="list-style-type: none"> a. There are some impacts, for example all the participating countries along the coast of West Africa are implementing the Guinea Current Large Marine Ecosystem Project. b. There is an implication on the goals of the Strategic Plan in the implementation schedule of the Guinea Current Project. c. There is an implication to the 2010 targets. d. This is in progress. e. This is in progress. f. Language barriers and funding.

F. COMMENTS ON THE FORMAT

Box LXXV.

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

We note that the format attempts to extract information on implementation of the articles and provisions of the Convention as much as possible from Parties. We admit that in doing this the questionnaire has been lengthy, though we do not think that there is a shorter route here. However we want to suggest that the questions asked are made simple so that answers are easily provided.