THE REPUBLIC OF UGANDA

THE NATIONAL BIODIVERSITY STRATEGY ACTION PLAN (NBSAP) II 2015 -2025

ALIGNMENT TO THE KUNMING -MONTREAL GLOBAL BIODIVERSITY FRAMEWORK

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

MAY 2024

National target **Full name/title of national target**	**Alignment with global goals and targets**	**Degree of alignment**	High = covers all elements of the global target; Medium = covers most elements of the global target; Low = covers at least one element of the global target
1.1: By 2020, biodiversity values integrated into the National Development Plan, Budget Framework Papers, Ministerial Policy Statements and District Development Plans	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 14	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	Reference to budget relates to means of implementation. Integration into National Development is strong on mainstreaming
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* • D.1 International public funding, including official development assistance (ODA) for conservation and sustainable use of biodiversity and ecosystems • D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* ☐ <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)* ☐ <u>Other national indicators</u> • Trends in allocation of financial resources to biodiversity conservation and management • Integration of biodiversity issues in the NDP, sectoral and District Development Plans • Biodiversity issues planned and budgeted for at National and Local levels		

	• Biodiversity issues planned and budgeted for at National and Local levels	

1.2 National target: By 2015, NBSAPI reviewed, updated and adopted and being effectively implemented	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 14	☐ High ☐ Medium ☒ Low ☐ High ☒ Medium ☐ Low	Has very limited relationship with elements of Goal D The actions and activities in NBSAPII strongly relates to the elements of the targets
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* • D.1 International public funding, including official development assistance (ODA) for conservation and sustainable use of biodiversity and ecosystems • D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* ☐ Other national indicators • Level of integration of biodiversity issues within NDP, sectoral and local government plans with respective budgetary allocations • Key issues in NBSAPII mainstreamed and budgeted for in national, sectoral and district plans and programmes		
1.3 By 2015 an effective Monitoring and Evaluation strategy for the implementation of NBSAP developed and is in operation	☐ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☒ Global target 21	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	**Notes** Does have any relation with any of the Goals Has elements of target 21

	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* ☐ Other national indicators • Monitoring and Evaluation Strategy used by stakeholders to report on progress of implementing NBSAPII • A Monitoring and Evaluation Strategy in place	

2.1 By 2020, knowledge, research and science base relating to biodiversity has been significantly improved, and relevant technologies have been improved, shared and applied	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 20	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Has elements technology with relates to technology transfer in Goal D Has elements on technology which related to target 20
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* ☐ Other national indicators • Trends in investment and partnerships in biodiversity-related research, monitoring and information management • Number of functional biodiversity research Institutions with identified priority research areas in biodiversity		

2.2 By 2020, basic taxonomic information is packaged in user-friendly formats and widely disseminated, including use of school systems	☐ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☒ Global target 21	☐ High ☐ Medium ☐ Low ☐ High ☐ Medium ☒ Low	Does not align to Goals of the KMGBF Has elements information sharing

2.3 By 2019, traditional knowledge and practices of indigenous peoples and local communities integrated into biodiversity conservation and sustainable use at all levels	☐ Goal A ☐ Goal B ☒ Goal C ☐ Goal D ☒ Global target 21	☐ High ☒ Medium ☐ Low ☐ High ☐ Medium ☒ Low	Has elements on traditional knowledge, IPLCS Elements on traditional knowledge is reflected but larger elements missing

3.1: By 2020, at least 17% of terrestrial and inland water ecosystems in Uganda are conserved through effectively and equitably managed, ecologically representative and well-connected systems of protected areas for socio-economic benefit of the population	☒ Goal A ☒ Goal B ☐ Goal C ☐ Goal D ☒Global target 1 ☒Global target 3 ☒Global target 10 ☒Global target 11	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Has most of the elements of Goal A

	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* A.1 Red List of Ecosystems A.2 Extent of natural ecosystems A.3 Red List Index Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Red List Index (for utilized species) Living Planet Index (for used species) Ecosystem Intactness Index Ecosystem Integrity Index Species Habitat Index Biodiversity Habitat Index Living Planet Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Forest area as a proportion of total land area • Forest distribution • Tree cover loss • Grassland and savannah extent • Mountain Green Cover Index • Peatland extent and condition • Wetland Extent Trends Index • Change in the extent of inland water ecosystems over time • Forest Fragmentation Index • Forest Landscape Integrity Index • Biomass of selected natural ecosystems • Ecosystem Intactness Index • Biodiversity Intactness Index • Species Protection Index • Changes in plankton biomass and abundance • Fish abundance and biomass • Levels of poverty in biodiversity dependent communities • Ecological footprint • Number of certified forest areas under sustainable management with verified impacts on biodiversity conservation • Expected loss of phylogenetic diversity • Red List Index (pollinating species) • Green status index (pollinators) • Air quality index • Air pollution emissions account	

	• Zoonotic disease in wildlife <u>Other national indicators</u> • Trends in coverage of protected areas • Trends in the coverage connectivity/corridors of protected areas • Number of PA management developed and implemented • Number of PA networks with well-protected ecosystems, species and genetic resources		
3.2: By 2020,ecosystem resilience and the contribution of biodiversity to carbon stocks has been enhanced, through conservation and restoration, including restoration of at least 15%of degraded ecosystems	☒ Goal A ☒ Goal B ☐ Goal C ☐ Goal D ☒Global target 2 ☒Global target 8	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	Has elements relating to ecosystems and conservation
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* A.1 Red List of Ecosystems A.2 Extent of natural ecosystems A.3 Red List Index <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* • Red List Index (for utilized species) • Living Planet Index (for used species) • Ecosystem Intactness Index • Ecosystem Integrity Index • Species Habitat Index • Biodiversity Habitat Index • Living Planet Index <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)* • Forest area as a proportion of total land area • Forest distribution • Tree cover loss • Grassland and savannah extent • Mountain Green Cover Index • Wetland Extent Trends Index • Forest Fragmentation Index • Forest Landscape Integrity Index • Biomass of selected natural ecosystems • Ecosystem Intactness Index		

	• Biodiversity Intactness Index • Species Protection Index • Number of certified forest areas under sustainable management with verified impacts on biodiversity conservation <u>Other national indicators</u> • Status and trends in extent and condition of habitats that provide carbon storage • Trends in coverage of protected areas • Reduced emissions from deforestation • Reduced emissions from forest degradation • Conservation of forest carbon stocks • Sustainable management of forests • Enhancement of forest carbon stocks • Improved livelihoods of adjacent communities • Number of sector policies and plans that have mainstreamed climate change • Numbers of beneficiaries of REDD+ trained • Acreage afforested • Plant a least 200,000 ha trees annually to contribute to national target in Vision 2040		
3.3: By 2020, the extinction of known threatened species plants and animals inside and outside protected areas has been prevented and their conservation status improved	☒Goal A ☐Goal B ☐Goal C ☐ Goal D ☒Global target 2 ☒Global target 4 ☒Global target 9 ☒Global target 11	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Contains reasonable elements for Goal A Contains elements for targets 2, 4, 9 and 11
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* A.1 Red List of Ecosystems A.2 Extent of natural ecosystems A.3 Red List Index A.4 The proportion of populations within species with an effective population size > 500 <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* Ecosystem Intactness Index Ecosystem Integrity Index Species Habitat Index Biodiversity Habitat Index		

	Living Planet Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Tree cover loss • Ecosystem Intactness Index • Biodiversity Intactness Index • Species Protection Index Other national indicators • Trends in abundance of selected species • Reduction in the number nationally extinct, threatened and vulnerable species • Number of Species Management Plans under implementation • Number of previously extinct species re-introduced • Number of functional ex situ institutions • Number of strategies developed and implemented • Number of cases reported and successfully prosecuted • -Number of trophies confiscated at border points		
3.4: By 2020, The genetic diversity of cultivated plants and domesticated animals including their wild relatives and other socio-economically valuable species conserved	☒ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☒ Global target 4	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	Elements of goal are well reflected Elements of goal are well reflected
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* A.1 Red List of Ecosystems A.2 Extent of natural ecosystems A.3 Red List Index Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Species Habitat Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* ☐		

	Other national indicators • Collection of at least 20% of the genetic diversity of important crops and animals in Uganda together with their wild relatives undertaken and conserved after estimating their baseline • Trends in genetic diversity of selected species • Information on germplasm documented • Fully functional national and local repositories for plant and animal genetic resources • Important species and varieties are adequately conserved • Number of germplasm reintroduced • Number of local community groups, women, men and youth trained on issue, risks and benefits of genetic diversity		
3.5: By 2020, the rate of loss of all natural habitats, including forests, is at least halved and where feasible brought close to zero to reduce degradation	☒ Goal A ☒ Goal B ☐ Goal C ☐ Goal D ☒ Global target 1 ☒ Global target 2 ☒ Global target 3 ☒ Global target 10 ☒ Global target 12	☐ High ☒ Medium ☐ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☒ Medium ☐ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Elements are reflected in Goal A and B
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* A.1 Red List of Ecosystems A.2 Extent of natural ecosystems Component indicators *(drop-down menu of component indicators for the global targets indicated above)* • Ecosystem Intactness Index • Ecosystem Integrity Index • Species Habitat Index • Biodiversity Habitat Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Forest area as a proportion of total land area • Trends in mangrove forest fragmentation • Forest distribution • Tree cover loss • Grassland and savannah extent • Wetland Extent Trends Index • Change in the extent of inland water ecosystems over time • Forest Fragmentation Index		

	• Forest Landscape Integrity Index <u>Other national indicators</u> • Trends in extent of selected forests and wetlands • Trends in the proportion of natural habitats converted • Vulnerable areas restored and protected		
3.6: By 2020, management plans are in place and implemented for areas under agriculture, aquaculture and forestry	☒ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☒ Global target 1 ☒ Global target 10	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☒ Medium ☐ Low	Has some elements of Goal A Has some elements of Target 1 Has agriculture, aquaculture and forestry which are in Target 10
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* A.2 Extent of natural ecosystems <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* Ecosystem Intactness Index Ecosystem Integrity Index Species Habitat Index Biodiversity Habitat Index <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)* • Forest area as a proportion of total land area • Forest distribution • Tree cover loss • Grassland and savannah extent • Forest Fragmentation Index • Forest Landscape Integrity Index <u>Other national indicators</u> • Trends in area and productivity of agricultural land, forests under sustainable management • Significant increase in area and distribution of agro-forestry practices in the country • Number of women and men engaged in agroforestry practices • Significant increase in area and distribution of SLM practices in the country • Mechanisms put in place to protect biodiversity in forests		

3.7: By 2020, pollution levels in critical urban ecosystems has been brought to levels that are not detrimental to ecosystem function and biodiversity	☒ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☒ Global target 7 ☒ Global target 10	☐ High ☐ Medium ☒ Low ☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	Covers issues on ecosystem function and biodiversity Has a number of elements that relates to Global target 7 and 10
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* A.4 The proportion of populations within species with an effective population size > 500 7.2 Pesticide environment concentration 10.1 Proportion of agricultural area under productive and sustainable agriculture Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Ecosystem Integrity Index Species Habitat Index Biodiversity Habitat Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* Species richness Other national indicators • Pollution standards in place and enforced • Pollution levels due to various anthropogenic practices such agriculture, waste water, oil and gas development activities compliant with national and international standards • Trends in water quality in aquatic ecosystems • Trends in sediment transfer rates • Trends in proportion of wastewater discharged after treatment • Trends in pollution levels • Effective and efficient options for managing all forms of waste are under implementation • Increased number of waste management/ recycling options being adopted • Number of new facilities operating (or planned)		
3.8: By 2020, invasive alien species harmful to biodiversity, socio-economic development and human health are managed to prevent their	☒ Goal A ☐ Goal B ☐ Goal C ☐ Goal D	☐ High ☒ Medium ☐ Low	Contains elements that relate to ecosystem integrity, restoration, increasing abundance of native species,

introduction and establishment	☒ Global target 2 ☒ Global target 6	☐ High ☐ Medium ☒ Low ☐ High ☒ Medium ☐ Low	maintenance of genetic diversity Elements links to restoration in Global Target Elements of the global target are adequately covered
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* A.2 Extent of natural ecosystems A.4 The proportion of populations within species with an effective population size > 500 Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Ecosystem Intactness Index Ecosystem Integrity Index Species Habitat Index Biodiversity Habitat Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Biodiversity Habitat Index • Biodiversity Intactness Index • Percentage of threatened species that are improving in status according to the Red List • Number of threatened species by species group • Species Protection Index • Proportion of local breeds classified as being at risk of extinction • Species Status Index Other national indicators • Management Plans in place to control most threatening invasive alien species • Trends in the economic impacts of selected invasive alien species • Trends in area covered invasive alien species • National guidelines on invasive species in place • Adequate measures to contain alien invasive species in vulnerable ecosystems are in place • An inventory of alien invasive species • Management plans developed and implemented		

	• Capacity (personnel, equipment and human resource) built for monitoring alien invasive species • Trends in alien invasive species		
3.9: By 2020, the impacts of fisheries activities on fish stocks, species and ecosystems are within safe ecological limits	☒ Goal A ☐ Goal B ☐ Goal C ☐ Goal D	☐ High ☒ Medium ☐ Low	Contains most of the elements of the global target
	☒ Global target 5	☐ High ☐ Medium ☒ Low	Has elements that relates to preventing overexploitation in the global target
	☒ Global target 9	☐ High ☐ Medium ☒ Low	Has elements that relates to management and sustainable use in the global target
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* A.4 The proportion of populations within species with an effective population size > 500 <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* Species Habitat Index <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)* Fish abundance and biomass Genetic scorecard for wild species Species richness <u>Other national indicators</u> • Trends in catch per unit effort • Trends in area, frequency, or intensity of destructive fishing practices • Trends in fish catch • Measures put in place to control alien fish species • Reduced surface area under Water Hyacinth, congress weed and *Salvinia molesta* • Trends in farmers (women and men) and local community groups engaged in aquaculture • Trends in catch • Number of mitigation Measures put in place to restore degraded open water habitats • Number of alternative livelihood options identified and promoted • Harmonized fisheries legislations and management practices • Transboundary fisheries management initiatives in place		

3.10: By 2020, fish are managed and harvested sustainably, legally, overfishing is avoided and recovery plans and measures are in place for all depleted species	☒ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☒ Global target 9 ☒ Global target 10	☐ High ☒ Medium ☐ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	The elements of the targets are relevant to the global target The elements of the targets are relevant to the global target Some elements of the national target implied in the global target
4.1: By 2020, appropriate incentives for biodiversity conservation and sustainable use are in place and applied	☐ Goal A ☐ Goal B ☒ Goal C ☒ Goal D ☒ Global target 13 ☒ Global target 14 ☒ Global target 15 ☒ Global target 18	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	The elements of the national target not reflected in the global goal Few elements of the national targets reflected in the global target
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* C.1 Indicator on monetary benefits received C.2 Indicator on non-monetary benefits 15.1 Number of companies reporting on disclosures of risks, dependencies and impacts on biodiversity 18.1 Positive incentives in place to promote biodiversity conservation and sustainable use 18.2 Value of subsidies and other incentives harmful to biodiversity that have been eliminated, phased out or reformed Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Value of subsidies and other incentives harmful to biodiversity, that are redirected, repurposed or eliminated Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Trends in potentially environmentally harmful elements of government support to agriculture (producer support estimate) • Number of companies publishing sustainability reports		

	Other national indicators • Trends in the number and value of incentives, including subsidies, harmful to biodiversity, removed, reformed or phased out • Number of economic instruments supporting biodiversity conservation and sustainable use • Green procurement is being widely used to protect biodiversity and its sustainable use • Biodiversity accounting reflected national accounting and reporting processes		
4.2: By 2020 at least 2 partnerships established to ensure that wild harvested plant-based products are sourced sustainably	☒ Goal A ☒ Goal B ☐ Goal C ☐ Goal D ☒ Global target 9 ☒ Global target 15	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Few elements are reflected in the global goal Few elements are reflected in the global target
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* A.3 Red List Index A.4 The proportion of populations within species with an effective population size > 500 Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Species Habitat Index Biodiversity Habitat Index Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Fish abundance and biomass • Percentage of threatened species that are improving in status according to the Red List • Number of threatened species by species group • Percentage of threatened species that are improving in status according to the Red List • Number of threatened species by species group		

	Other national indicators • Partnerships with the private sector developed • Evidence of collaborative ventures between the private sector and public institutions • Private sector and local communities engaged in processing for value addition on plant based products		
4.3: By 2020, a well established framework for implementing the Multilateral System of accessing and sharing of benefits arising from access to Plant Genetic Resources (PGR) in place	☐ Goal A ☐ Goal B ☒ Goal C ☐ Goal D ☒ Global target 13	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	Key elements are in the global goal The elements of the national target are in the global target
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* C.1 Indicator on monetary benefits received C.2 Indicator on non-monetary benefits Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Number of users that have provided information relevant to the utilization of genetic resources to designated checkpoints • Total number of internationally recognized certificates published in the ABS Clearing-House • Number of checkpoint communiqués published in the ABS Clearing-House • Number of internationally recognized certificates of compliance for non-commercial purposes • Integration of biodiversity into national accounting and reporting systems, defined as implementation of the System of Environmental-Economic Accounting Other national indicators • A framework in place for sharing the benefits from access to PGR in the country • Documents prepared on indigenous knowledge on PGR for food, agriculture and medicine		

	• Effective and documented mechanisms for sharing benefits from access to PGR put in place and are being implemented • Detailed documentation of traditional knowledge, innovations and practices in PGR available • PGR management activities initiated in some parts of the country		
4.4: By 2016, the Nagoya Protocol on Access to Genetic Resources and Benefit Sharing in force	☐ Goal A ☐ Goal B ☒ Goal C ☐ Goal D ☒ Global target 13	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	Key elements are in the global goal The elements of the national target are in the global target
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* C.1 Indicator on monetary benefits received C.2 Indicator on non-monetary benefits <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* ☐ <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)* • Number of users that have provided information relevant to the utilization of genetic resources to designated checkpoints • Total number of internationally recognized certificates published in the ABS Clearing-House • Number of checkpoint communiqués published in the ABS Clearing-House • Number of internationally recognized certificates of compliance for non-commercial purposes • Integration of biodiversity into national accounting and reporting systems, defined as implementation of the System of Environmental-Economic Accounting <u>Other national indicators</u> • Improved regulatory framework for ABS in Uganda enforced with involvement of IPLCs • ABS Regulations reviewed incorporating elements of the Nagoya Protocol • Both bioprospecting and biotrade are regulated for the benefit of the local communities		

5.1: By 2020 people are aware of the meaning and values of biodiversity and the steps they can take to use it sustainably	☐ Goal A ☒ Goal B ☐ Goal C ☐ Goal D	☐ High ☐ Medium ☒ Low	The elements that link to global target is biodiversity values
	☒ Global target 14	☐ High ☒ Medium ☐ Low	The elements are better captured in global target 14
	☒ Global target 15	☐ High ☒ Medium ☐ Low	The elements are better captured in global target 14
	☒ Global target 16	☐ High ☐ Medium ☒ Low	The elements on awareness and values are reflected in the global target
	☒ Global target 21	☐ High ☒ Medium ☐ Low	The elements are better captured in global target 21
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* B.1 Services provided by ecosystems Component indicators *(drop-down menu of component indicators for the global targets indicated above)* • Red List Index (for utilized species) • Living Planet Index (for used species) Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* Other national indicators • Trends in behavioral change particularly among decision makers and the general public towards biodiversity conservation and sustainable use • Trends in communication programmes and actions promoting social corporate responsibility • Number and types of IEC materials produced • Number of institutions/districts where IEC materials disseminated • Number of IPLCs and community groups sensitized on biodiversity conservation		
5.2: By 2020 at the latest, students and teaching staff are aware of the values of biodiversity	☐ Goal A ☒ Goal B ☐ Goal C ☐ Goal D	☐ High ☐ Medium ☒ Low	The elements that link to global target is biodiversity values
	☒ Global target 21	☐ High ☐ Medium ☒ Low	

			The elements that link to global target is awareness
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* B.1 Services provided by ecosystems Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Red List Index (for utilized species) Living Planet Index (for used species) Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* ☐ Other national indicators • Positive attitude and behavioral change among students and teachers in educational institutions • Biodiversity integrated into the National School Curriculum • Biodiversity incorporated in school curricula at various levels • Biodiversity incorporated in environmental activities in educational institutions at all levels, including clubs and competitions • Educational materials developed, produced, accessed, used, and appreciated		
5.3: By 2020, international cooperation and networking is effective enough to enhance communication of the value of biodiversity conservation and sustainable use	☐ Goal A ☒ Goal B ☐ Goal C ☐ Goal D ☒ Global target 20	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Sustainable use and conservation are the elements that are in the global target The elements are related to the global target but are not explicit
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ N/A Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ N/A		

	Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* ☐ N/A Other national indicators • Adequate and active participation in regional and global fora by Ugandans • Number of women and men at international conferences and workshops on biodiversity and related areas • Number of biodiversity regional and international workshops organized and held in Uganda • Number of Reports • Project proposals on biodiversity programs developed and implemented		
6.1: By 2018, public awareness, education and participation in biotechnology and biosafety are enhanced	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 17	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Elements are implied in the global goal though not explicitly stated Elements are implied in the global goal though not explicitly stated
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Number of countries with mechanisms to facilitate the sharing of and access to information on potential adverse impacts of biotechnology on biodiversity and human health Other national indicators • Increased participation and support of biotechnology by policy makers and the general public • Increased stakeholder involvement in biotechnology and Biosafety practices • Increased number of trained Technical Personnel in biotechnology and Biosafety		
6.2: By 2020, national capacity for biotechnology applications and use is adequate	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☐ Global target 17	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Elements are implied in the global goal though not explicitly stated Elements are implied in the global goal

			though not explicitly stated
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators • Number of countries that have the necessary biosafety legal and administrative measures in place • Number of countries that implement their biosafety measures • Number of countries that have the necessary measures and means for detection and identification of products of biotechnology • Number of countries that carry out scientifically sound risk assessments to support biosafety decision-making • Number of countries that establish and implement risk management measures • Percentage of Parties to the Cartagena Protocol on Biosafety implementing the relevant provisions of the Protocol • Percentage of countries with systems in place for restoration and compensation of damage to conservation and sustainable use of biological diversity • Number of countries with mechanisms to facilitate the sharing of and access to information on potential adverse impacts of biotechnology on biodiversity and human health Other national indicators • Mechanisms for continuous Human and Infrastructural Resource Capacity Development, deployment retention put in place • Biotech tools developed and optimized for biodiversity conservation • National capacity for biotechnology and Biosafety assessed • Number of scientists trained in Biotechnology and Biosafety • Accredited Biotechnology and Biosafety infrastructure developed. • Adequate tools developed for identification, characterization and conservation of biodiversity		
6.3: By 2018, the national biotechnology and biosafety law in place	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☐ Global target 17	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Biotechnology and biosafety are the elements that relate to the elements in the global Biotechnology and biosafety are the elements that relate to

			the elements in the global
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators • Number of countries that have the necessary biosafety legal and administrative measures in place • Number of countries that implement their biosafety measures • Percentage of Parties to the Cartagena Protocol on Biosafety implementing the relevant provisions of the Protocol • Percentage of countries with systems in place for restoration and compensation of damage to conservation and sustainable use of biological diversity • Number of countries with mechanisms to facilitate the sharing of and access to information on potential adverse impacts of biotechnology on biodiversity and human health Other national indicators • National Biotechnology and Biosafety Bill 2012 passed into law • National Biosafety Committee effectively supported to perform its functions • A Biotechnology and Biosafety law in place • Increased Awareness and knowledge on Biotechnology and Biosafety policy		
6.4: By 2018, the Nagoya–Kuala Lumpur Supplementary Protocol on Liability and Redress under the Cartagena Protocol on Biosafety in operation and implemented	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 17	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☐ Low	
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐		

	Complementary indicators • Number of countries that have the necessary biosafety legal and administrative measures in place • Number of countries that implement their biosafety measures • Percentage of Parties to the Cartagena Protocol on Biosafety implementing the relevant provisions of the Protocol • Percentage of countries with systems in place for restoration and compensation of damage to conservation and sustainable use of biological diversity • Number of countries with mechanisms to facilitate the sharing of and access to information on potential adverse impacts of biotechnology on biodiversity and human health Other national indicators • Increased compliance with national and international requirements • Accession to the Supplementary Protocol planned for 2015 • The Protocol on Liability and Redress is enforced		
6.5: By 2020, there is widespread application and use of biotechnology and its products for national development	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 17	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☐ Low	Biotechnology is the element that relates
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* ☐ Component indicators *(drop-down menu of component indicators for the global targets indicated above)* ☐ Complementary indicators • Number of countries that have the necessary biosafety legal and administrative measures in place • Number of countries that implement their biosafety measures • Percentage of Parties to the Cartagena Protocol on Biosafety implementing the relevant provisions of the Protocol • Percentage of countries with systems in place for restoration and compensation of damage to conservation and sustainable use of biological diversity • Number of countries with mechanisms to facilitate the sharing of and access to information on potential		

	adverse impacts of biotechnology on biodiversity and human health Other national indicators • Biotechnology applications and use widely accepted by the Ugandan public • ESIAs conducted and complied with by developers in biotechnology, • A strong monitoring system in place for biotechnology use and applications • Biotechnology applications mainstreamed in National macroeconomic programmes • Effective mechanisms in place for sharing costs and benefits of biotechnology		
7.1: By 2015, a study is undertaken in respect of CBD Decision X/3 and guidelines for financing biodiversity in Uganda developed	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☐ Global target 18 ☐ Global target 19	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	The main element that relates to global goal is financing The main element is are the financial resources
	Indicators to be used to monitor this national target Headline indicators *(drop-down menu of headline indicators for the global targets indicated above)* • 18.1 Positive incentives in place to promote biodiversity conservation and sustainable use • 18.2 Value of subsidies and other incentives harmful to biodiversity that have been eliminated, phased out or reformed • D.1 International public funding, including official development assistance (ODA) for conservation and sustainable use of biodiversity and ecosystems • D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems • D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems Component indicators *(drop-down menu of component indicators for the global targets indicated above)* Value of subsidies and other incentives harmful to biodiversity, that are redirected, repurposed or eliminated Complementary indicators *(drop-down menu of complementary indicators for the global targets indicated above)* • Trends in potentially environmentally harmful elements of government support to agriculture (producer support estimate) • Amount of funding provided through the Global Environment Facility and allocated to the biodiversity focal area		

	• Foreign direct investment, official development assistance and South-South cooperation • Amount of biodiversity-related philanthropic funding • Number of countries (and number of instruments) with payments for ecosystem services (PES) programmes • Number of countries that have (a) assessed values of biodiversity in accordance with the Convention, (b) identified and reported funding needs, gaps and priorities, (c) developed national financial plans for biodiversity, (d) been provided with the necessary funding and capacity-building to undertake the above activities <u>Other national indicators</u> • Guidelines and action plans for financing biodiversity in Uganda developed and implemented • Trends in financial resources mobilized • Biodiversity Finance Plan for resource mobilization developed and implemented • Study undertaken and information collected to use in the development of guidelines • Guidelines developed • Biodiversity Finance Plan		
7.2: By 2017, finance resources for effectively implementing NBSAPII is increased by at least 10% from the current level	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☒ Global target 19	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	The element on increasing financial resources relates to the global goal The element on increasing financial resources relates to the global target
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* D.1 International public funding, including official development assistance (ODA) for conservation and sustainable use of biodiversity and ecosystems D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* ☐ <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)*		

	• Financial and technical assistance provided in dollars (including through South-South, North-South and triangular cooperation) • Finance mobilized for capacity-building • Species threat abatement and restoration metric • Number of companies publishing sustainability reports <u>Other national indicators</u> • Trends in National financial resource allocation for biodiversity conservation • Increased funding from diverse sources mobilized • Capacity built for writing project proposals • Number of project proposals submitted • Number of projects approved • Mobilize additional resources through partnership with the other Conventions • Proportion of funds annually budgeted for by line ministries for biodiversity activities • Gender-responsive allocation for activities • Biodiversity projects which incorporate aspects of accountability, transparency, gender mainstreaming		
7.3: By 2018, new financing mechanisms are operational and new funding mobilized for biodiversity conservation	☐ Goal A ☐ Goal B ☐ Goal C ☒ Goal D ☐ Global target 19	☐ High ☒ Medium ☐ Low ☐ High ☒ Medium ☐ Low	The elements that relates with the global goal is the new financing mechanisms The elements that relates with the global goal is the new financing mechanisms
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* D.1 International public funding, including official development assistance (ODA) for conservation and sustainable use of biodiversity and ecosystems D.2 Domestic public funding on conservation and sustainable use of biodiversity and ecosystems D.3 Private funding (domestic and international) on conservation and sustainable use of biodiversity and ecosystems <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* ☐ <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)*		

	• Financial and technical assistance provided in dollars (including through South-South, North-South and triangular cooperation) • Finance mobilized for capacity-building <u>Other national indicators</u> • Trends in funding for biodiversity conservation • A policy or regulations in place • Environment bonds issued and bought • Incentives to promote purchase of green goods identified and provided • The concept of green marathon promoted and supported • Increased level of payments for ecosystems services and application of biodiversity offsets		
8.1 By 2016, oil exploration and production are being guided by biodiversity friendly regulations	☐ Goal A ☒ Goal B ☐ Goal C ☐ Goal D ☒ Global target 1 ☒ Global target 6 ☒ Global target 7 ☒ Global target 14 ☒ Global target 15	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☒ Low	Biodiversity friendly regulations relations conservation and sustainable use in the global goal The elements in the national target is broad and not so specific but still covers aspects of the global targets
	Indicators to be used to monitor this national target <u>Headline indicators</u> *(drop-down menu of headline indicators for the global targets indicated above)* B.1 Services provided by ecosystems A.1 Red List of Ecosystems A.2 Extent of natural ecosystems 1.1 Percentage of land and sea area covered by biodiversity-inclusive spatial plans 6.1 Rate of invasive alien species establishment 15.1 Number of companies reporting on disclosures of risks, dependencies and impacts on biodiversity <u>Component indicators</u> *(drop-down menu of component indicators for the global targets indicated above)* • Rate of invasive species impact and rate of impact • Rate of invasive alien species spread • Number of invasive alien species introduction events • Number of countries with Implementation of the System of Environmental-Economic Accounting <u>Complementary indicators</u> *(drop-down menu of complementary indicators for the global targets indicated above)* • Air quality index • Air pollution emissions account		

	• Change in the quality of inland water ecosystems over time • Percentage of spatial plans utilizing information on key biodiversity areas • Percentage of spatial plans utilizing information on key biodiversity areas • Percent of total land area that is under cultivation • Extent of natural ecosystems by type • Number of invasive alien species in national lists as per the Global Register of Introduced and Invasive Species • Trends in abundance, temporal occurrence, and spatial distribution of non-indigenous species, particularly invasive, non-indigenous species, notably in risk areas (in relation to the main vectors and pathways of spreading of such species) • Red List Index (impacts of invasive alien species • Number of invasive alien species in national lists as per the Global Register of Introduced and Invasive Species • Trends in abundance, temporal occurrence, and spatial distribution of non-indigenous species, particularly invasive, non-indigenous species, notably in risk areas (in relation to the main vectors and pathways of spreading of such species) • Red List Index (impacts of invasive alien species) <u>Other national indicators</u> • Biodiversity conservation and ecosystem resilience are being maintained adjacent to oil exploration and production areas • All oil and gas activities are being subjected to EIA • Communities are aware of EIA results • Affected degraded ecosystem put under restoration activities and special species are protected • Biodiversity offset trust fund is available for use when needed • Translocation to other areas effected where necessary		
8.2 By 2018, the development and use of biofuels are widespread in Uganda to complement hydrocarbon fuel sources Related to Aichi target 7	☐ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☐ Global target	☐ High ☐ Medium ☐ Low ☐ High ☐ Medium ☐ Low	Not related to any of the global goals Not related to any of the global targets
8.3: By 2020, Uganda's biodiversity is reasonably protected from natural disasters	☐ Goal A ☐ Goal B ☐ Goal C ☐ Goal D ☐ Global target	☐ High ☐ Medium ☒ Low ☐ High ☐ Medium ☐ Low	Not related to any of the global goals Not related to any of the global targets