Reporting on the global SDG indicator 6.5.2

EXPLANATORY NOTE

A. Background

In 2015, the United Nations General Assembly adopted the 2030 Agenda for Sustainable Development and its Sustainable Development Goals (SDGs), including SDG 6 to ensure availability and sustainable management of water and sanitation for all.

To review progress towards the SDGs, United Nations Member States, through the Inter-agency and Expert Group on SDG Indicators (IAEG-SDGs), developed in late 2015 and early 2016, a global indicator framework, which was subsequently adopted by the United Nations Statistical Commission in March 2016.

Target 6.5 calls for countries to implement integrated water resources management at all levels, including through transboundary cooperation, as appropriate. To measure progress on transboundary cooperation in accordance to target 6.5, indicator 6.5.2 was adopted. The indicator is defined as the "percentage of transboundary basin" area with an operational arrangement for transboundary cooperation".

For SDG 6, UN-Water has been coordinating the technical input to the IAEG-SDGson the relevant indicators and the methodologies for their measurement. UNECE and UNESCO have led the development of the step-by-step methodology to calculate indicator 6.5.2. For each indicator, the IAEG-SDGs has proposedcustodian agenciesat the global level. Given their mandate on transboundary water issues, UNECE and UNESCO have been proposedas custodian agencies for indicator 6.5.2. Recognizing the importance of integration across SDG6, the relevant custodian agencies for this goal are collaborating under the Integrated Monitoring of Water and Sanitation Related SDG Targets (GEMI), operating under the UN-Water umbrella.²

Reporting through the present template will help to gather information on the progress on transboundary cooperation under Sustainable Development Goal (SDG) 6, target 6.5 in accordance with global indicator 6.5.2. It will also contribute to the UN-Water SDG 6 Integrated Monitoring initiative GEMI.

B. Content of the template

In order to collect complete information, simplify the task of reporting and streamline the compilation of information received by countries, the template is shaped as a questionnaire to be filled out.

The template is divided into fourparts:

- Section I Calculation of SDGindicator 6.5.2
- Section II Information on each transboundary basin or group of basins
- Section III General information on transboundarywater management at the national level
- Section IV Final questions

¹**Transboundary basins** are basins of transboundary waters, that is, of any surface waters (notably rivers, lakes) or groundwater/aquifers which mark, cross or are located on boundaries between by two or more States.

²For more information, see http://www.unwater.org/gemi/en/.

While Section I of the template has been prepared by UNECE and UNESCO in the framework of the UN-Water's indicators development activities in support of the Inter-Agency Expert Group on SDGs (IAEG-SDGs), SectionsII to IV are based on aquestionnaire developed by Member States in the framework of the Convention on the Protection and Use of Transboundary Watercourses and International Lakes (Water Convention), serviced by UNECE, to monitor progress on transboundary cooperation and implementation of the Convention.³

Questions can be either "closed", Yes /No, with appropriate boxes to tick; "open", requiring further information to be supplied, indicated by the words in square brackets [fill in]; or a combination of both.

Depending on the country situation, it will not always be necessary to fill in extra information where space is provided for this. Please answer open questions very briefly, and in less than 200 words, using bullet points as appropriate. The reporting country can make reference to the reporting under other multilateral environmental agreements to which the country is a Party.

C. Who should report and how?

All countries having transboundary basins in their territory are invited to report.

All reporting countries are kindly invited, when possible, to fill all sections of the template, as they allow outlining a complete picture of the situation concerning transboundary water cooperation. The overall template can be useful to track progress more closely beyond the indicator value and better describe the current baseline. This is valuable also because inevitably the indicator is based on a number of criteria defining minimum thresholds and the information in Sections IItoIV can allow tracking progress towards the different criteria.

Section II will need to be to completed for each transboundary basin, (i.e. basin ofrivers and lakes or aquifers which mark, cross or are located on boundaries between by two or more States)(please just copy the template for these questions and fill out again for each additional transboundary basin). Countries may coordinate responses with other States with which they share transboundary basins or even prepare a joint report for shared basins.

D. Use of the reported information

Reporting has primarily a national importance and usefulness to inform decision-making at the national and transboundary level.

At the global level, data collected through this reporting will be elaborated to define the global baseline for the status of transboundary cooperation in accordance to indicator 6.5.2. Results, including synthesis reports, will be submitted to the High Level Political Forum in July 2018 which will focus, among others, on the in depth review of SDG 6.

A discussion on the advancement of transboundary cooperation worldwide considering the results of the reporting exercise will also take place in the framework of the eight session of the Meeting of the Parties to the Water Convention, to be held at the end of 2018.

³The Water Conventionaims to protect and ensure the quantity, quality and sustainable use of transboundary water resources by facilitating cooperation. Originally negotiated as a regional instrument for the UNECE region, the Convention turned into a universally available legal framework for transboundary water cooperation, following an amendment procedure. As of 1st March 2016, all United Nations Member States can accede to the Convention (for more information, see http://www.unece.org/env/water/).

E. Deadline for reporting

Countries are invited to submit their filled in template by **15 June 2017** to the United Nations Economic Commission for Europe (UNECE) and the United Nations Educational, Scientific and Cultural Organization (UNESCO).

Countries are invited to submit, to the two addresses below, an original signed copy by post and an electronic copy by e-mail. Electronic copies should be made available in both pdf format (for the signed copy) and word-processing software. Any graphic elements should be provided in separate files.

Addresses

United Nations Economic Commission for	United Nations Educational, Scientific and
Europe (UNECE)	Cultural Organization (UNESCO)
Palais des Nations	7 Place de Fontenoy
1211 Geneva 10	75015Paris
Switzerland	France
E-mail: transboundary_water_cooperation_reporting@unec e.org	E-mail: transboundary_water_cooperation_reporting@unesc o.org

Reporting on the global SDG indicator 6.5.2

TEMPLATE

Country name: [United Republic of Tanzania]

Section I. Calculation of SDGindicator6.5.2

a. Methodology

This section allows for the calculation of the Sustainable Development Goal global indicator 6.5.2, which is defined as *the proportion of transboundary basins'area with an operational arrangement for water cooperation*. The information gathered in Section II, will help in completing this section. The Step-by-step monitoring methodology for SDG indicator 6.5.2⁴, developed by UNECE and UNESCO in the framework of UN Water, can be referred to for details on the necessary data, the definitions and the calculation.

The value of the indicator at the national level is derived by adding up the surface area in a country of those transboundary surface water catchments and transboundary aquifers (i.e. 'transboundary' basins') that are covered by an operational arrangement and dividing the obtained area by the aggregate total area in a country of all transboundary basins (both catchments and aquifers).

Transboundary basins are basins of transboundary waters, that is, of any surface waters (notably rivers, lakes) or groundwaters which mark, cross or are located on boundaries between by two or more States. For the purpose of the calculation of this indicator, for a transboundary river or lake, the basin area is determined by the extent of its catchment. For groundwater, the area to be considered is the extent of the aquifer.

An "arrangement for water cooperation" is a bilateral or multilateral treaty, convention, agreement or other formal arrangement among riparian countries that provides a framework for cooperation on transboundary water management.

For an arrangement to be considered "operational" all the following criteria needs to be fulfilled:

- There is a joint body, joint mechanism or commission (e.g. a river basin organization) for transboundary cooperation,
- There are regular (at least once per year) formal communications between riparian countries in form of meetings (either at the political or technical level);
- There is a joint or coordinated water management plan(s), or joint objectives have been set, and
- There is a regular (at least once per year) exchange of data and information.

b. Calculationofindicator6.5.2

Please list in the tables below the transboundary basins (rivers and lakes and aquifers) in your country's territory and provide the following information for each of them:

the country/ies with which the basin is shared;

⁴ Available at http://www.unwater.org/publications/publications-detail/en/c/428764/.

- the surface area of these basins (the catchment of rivers or lakes and the aquifer in the case of groundwater) within the territory of your country (in km2);
- the surface area of these basins within the territory of your country which is covered by a cooperation arrangement that is operational according to the above criteria (please consider the replies to the questions in Section II, in particular questions 1, 2, 3, 4 and 6).

In case an operational arrangement is in place only for a sub-basin or portion of a basin, please list this sub-basin just after the transboundary basin it is part of. In case there is an operational arrangement for the whole basin, do not list sub-basins in the table below.

Transboundary basin (river or lake) [please add rows as needed]

Name of the transboundary basin / sub-basin	Countries shared with	Surface area of the basin / sub-basin (in km²) within the territory of the country	Surface area of the basin / sub-basin (in km²) covered by an operational arrangement within the territory of the country
Lake Victora Basin	Uganda, Kenya, Rwanda, Burundi &Tanzania	194,000Km ²	86,120 Km ² (51%)
River Nile Basin	Uganda, Burundi, Rwanda, Ethiopia, Kenya, Sudan, South Sudan, Egypt, DR Congo, Eritrea Tanzania	3, 112 ,369 Km ²	84 200 Km ² (2.7%)
Mara River Sub Basin	Kenya Tanzania	13,750 Km ²	4,809 Km ² (35%)
Kagera River Sub Basin	Uganda, Burundi, Rwanda Tanzania	60,500 Km ²	20,680 Km ² (34%)
Lake Tanganyika Basin	Burundi, DR Congo, Zambia Tanzania	250,000 Km ²	102,500 Km ² (41%)
Zambezi River Basin	Angola, Namibia, Botswana, Zimbabwe, Zambia, Malawi, Tanzania, Mozambique	94,080 Km ²	1,881.60 Km ² (2%)
Lake Nyasa Basin (Sub-Basin Of Zambezi Basin)	Malawi, Tanzania, Mozambique	165,109 Km ²	165,109 Km ²
Songwe River Basin (Sub-Basin Of Zambezi Basin)	Malawi, Tanzania,	4,200 Km ² .	4,200 Km ² .
Ruvuma River Basin	Mozambique, Tanzania and Malawi	155,000 km²	52,000 km2(~34%).
Malagarasi River Sub Basin	Burundi & Tanzania	67,710Km ²	55,210 km2 (81%)
Momba River Sub Basin Lake Natron Sub	Tanzania & Zambia Tanzania &	88,000 Km ² 932 Km ²	No Arrangement available so far
Basin	Kenya		No Arrangement available so far
Umba River Sub Basin	Tanzania & Kenya	7,130 Km ²	7,130 km ²
Lake Chala Sub Basin	Tanzania & Kenya	3.15 Km ²	3.15 Km ²
Lake Jipe Sub Basin	Tanzania & Kenya	16.4 Km ²	16.4 Km ²
Total surface area of the sub-basins of rivers a operational arrangement territory of the country [A] (do not double country)	and lakes covered by ents within the ((in km²)		

Total surface area of transboundary basins	
of rivers and lakes within the territory of the	
country (in km ²)	
[B] (do not double count sub-basins)	

Transboundary aquifers [please add rows as needed]

Name of the transboundary aquifer	Countries shared with	Surface area (in km²) ⁵ within the territory of the country	Surface area (in km²) covered by an operational arrangement within the territory of the country
Rift Valley acquif er	Tanzania and Kenya	No information available	No information available
Kilima njaro acquif er	Tanzania and Kenya	No information available	No information available
Tanga nyika acquif er	DRC, Burundi Zambia & Tanzania	No information available	No information available
Koroo sandst one acquif er	Mozambiqu e & Tanzania	No information available	No information available
Coasta I sedme ntary	Mozambiqu e & Tanzania	No information available	No information available
Kager a acquif er	Uganda Rwanda &Tanzania,	No information available	No information available
Total surface area aquifers covered b arrangements with		NILL	

⁵For a transboundary aquifer, the extent is derived from the aquifer system delineation which is comm. Only done relying on information of the sub surface (notably the extent of geological formations). As a general rule, the delineation of aquifer systems is based on the delineation of the extent of the hydraulically connectedwater-bearing geological formations. Aquifer systems are three-dimensional objects and the aquifer area taken into account is the projection on the land surface of the system. Ideally, when different aquifer systems not hydraulically connected are vertically superposed, the different relevant projected areas are to beconsidered separately, unless the different aquifer systems are managed conjunctively.

country (in km²) [C]		
Total surface area of transboundary aquifers within the territory of the country (in km²) [D]	NILL	

Indicator value for the country

((A+C)/(B+D))x100%=

Additional information

If the respondent has comments that clarify assumptions or interpretations made for the calculation, or the level of certainty of the spatial information, please write them here:

Spatial information

If a map (ormaps) of the transboundary surface water catchments and transboundary aquifers (i.e. 'transboundarybasins') is available, please attach them. Ideally, shape files of the basin and aquifer delineations that can be viewed in Geographical Information Systems should besent.

Section II. Information on each transboundary basin or group of basins

Please complete this second section for each transboundary basin (river, lake or aquifer) or for group of basins covered by the same agreement or arrangement and where conditions are similar. It might also be convenient to group basins or sub-basins for which your country's share is very small. In some instances, you may provide information on both a basin and one or more of its sub-basins, for example, where you have agreements on both the basin and its sub-basin. You may coordinate your responses with other States with which your country shares the basin or aquifer or even prepare a joint report for shared basins. General information on transboundary water management at the national level should be provided in Section III and not repeated here.

Please reproduce the whole Section II with its questions for each transboundary basin, river, lake or aquifer, or group of basins for which you will provide a reply.

Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country's share of the basin:

1: ZAMBEZI RIVER BASIN

1.	Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin?
	One or more agreements or arrangements exist and are in force
	Agreement or arrangement developed but not in force
	Agreement or arrangement developed, but not in force for all riparians
	Please insert the name of the agreement or agreements or arrangements: [1. Agreement on establishment of the Zambezi Watercourse Commision]
	Agreement or arrangement is under development
	No agreement
	If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

⁶In principle, Section II should be submitted for every transboundary basin, river, lake or aquifer, in the country, but States may decide to group basins in which their share is small or leave out basins in which their share is very minor, e.g., below 1 per cent.

⁷In Section II, "agreement" covers all kinds of treaties, conventions and agreements ensuring cooperation in the field of transboundary waters. Section II can also be completed for other types of arrangements, such as memorandums of understanding.

If there is no agreement or arrangement and no joint body for the transboundary basin, river, lake or aquifer then jump to question 4; if there is no agreement, but a joint body then go to question 3.

Questions 2 and 3 to be completed for each bilateral or multilateral agreement or arrangement in force in the transboundary basin(river, lake or aquifer) or group of basins or sub-basins

(a) Does this agreement or arrangement specify the basin are subject to cooperation?	ea
Yes ⊠/No □	
If yes, does it cover the entire basin, or group of basins, and riparian States?	all
Yes ⊠/No □	
If not, what does it cover? [fill in]	
Or, if the agreement or arrangement relates to a sub-basin, does cover the entire sub-basin? (SONGWE SUB-BASIN)	it
Yes ⊠/No □	
Which States (including your own) are bound by the agreement arrangement? (ZAMBEZI BASIN: Angola, Namibia, Botswan Zimbabwe, Zambia, Malawi, Tanzania, Mozambique):	
(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?	ne
Yes ⊡/No ⊠	
(c) What is the sectoral scope of the agreement or arrangement?	
All water uses	
A single water use or sector	
Several water uses or sectors	\boxtimes
If one or several water uses or sectors, please list (check appropriate):	as
Water uses or sectors	
Industry [\boxtimes
Agriculture [\boxtimes
Transport (e.g., navigation)	
Households [\boxtimes
Energy: hydropower and other energy types	\boxtimes
Tourism [\boxtimes
Nature protection [\boxtimes
Other (please list): [fill in]	
(d) What topics or subjects of cooperation are included in the agreement or arrangement?	ne

Procedural and institutional issues

Dispute and conflict prevention and resolution	\boxtimes
Institutional cooperation (joint bodies)	\boxtimes
Consultation on planned measures	\boxtimes
Mutual assistance	\boxtimes
Topics of cooperation	
Joint vision and management objectives	\boxtimes
Joint significant water management issues	\boxtimes
Navigation	
Environmental protection (ecosystem)	\boxtimes
Water quality	\boxtimes
Water quantity or allocation	\boxtimes
Cooperation in addressing floods	\boxtimes
Cooperation in addressing droughts	\boxtimes
Climate change adaptation	\boxtimes
Monitoring and exchange	
Joint assessments	\boxtimes
Data collection and exchange	\boxtimes
Joint monitoring	\boxtimes
Maintenance of joint pollution inventories	\boxtimes
Elaboration of joint water quality objectives	\boxtimes
Common early warning and alarm procedures	\boxtimes
Exchange of experience between riparian States	\boxtimes
Exchange of information on planned measures	\boxtimes
Joint planning and management	
Development of joint regulations on specific topics	\boxtimes
Development of international or joint river, lake or aquifer basin management or action plans	
Management of shared infrastructure	\boxtimes
Development of shared infrastructure Other (please list): [fill in]	
What are the main difficulties and shallonges that you	r country

- (e) What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any (*please describe, if applicable*): [inadequate capacity interms of human and Financial]
- (f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [joint projects, joint programmes and capacity development]
- (g) Please attach a copy of the agreement or arrangement or provide the web address of the document (): [www.zambezicommision.org]
- 3. Is your country a member of an operational joint body or joint bodies for this agreement/arrangement?

Y	⊠/No ∐	
If	o, why not? (please explain): [fill in]	
Whe	there is a joint body (or bodies)	
(8	If there is a joint body, which kind of joint body (pleanone)?	se tick
	Plenipotentiaries	
	Bilateral commission	
	Basin or similar commission	
	Other (please describe): [fill in]	
b	Does the joint body cover the entire transboundary basin on, river, lake or aquifer, or group of basins, and all res?	
Υ	⊠/No	
(2	Which States (including your own) are member of the joint MBEZI BASIN: Angola, Namibia, Botswana, Zimbabwe, Zawi, Tanzania, Mozambique)	
II	ONGWE SUB-BASIN: Tanzania , Malawi]	
	Does the joint body have any of the following features (the ones applicable)?	please
	A secretariat	\boxtimes
	If the secretariat is a permanent one, is it a joint secretariat does each country host its own secretariat? (Please description secretariet)	
	A subsidiary body or bodies	
Ministe	Please list (e.g., working groups on specific topics): [Cou, Senior Officials, Technical Commitees,]	ncil of
	Other features (please list): [fill in]	
(€	What are the tasks and activities of this joint body?8	
	Identification of pollution sources Data collection and exchange	\boxtimes
	Joint monitoring	
	Maintenance of joint pollution inventories	
	Setting emission limits	
	Elaboration of joint water quality objectives	
	Management and prevention of flood or drought risks	
	Preparedness for extreme events, e.g., common early wa and alarm procedures	rning
	Water allocation and/or flow regulation	
	Policy development	

⁸This may include tasks according to the agreement or tasks added by the joint body, or its subsidiaries. Both tasks which joint bodies coordinate and tasks which they implement should be included.

Co	ontrol of implementation	\boxtimes
Ex	change of experience between riparian States	\boxtimes
us	change of information on existing and planned es of water and related installations ettling of differences and conflicts	\boxtimes
Co	onsultations on planned measures	\boxtimes
Ex	change of information on best available technology	\boxtimes
Pa	rticipation in transboundary EIA	\boxtimes
	evelopment of river, lake or aquifer basin management tion plans	or
Ma	anagement of shared infrastructure	\boxtimes
Ad	dressing hydromorphological alterations	
Cli	mate change adaptation	\boxtimes
Jo	int communication strategy	\boxtimes
	sin-wide or joint public participation and consultation of, example, basin management plans	
Jo	int resources to support transboundary cooperation	\boxtimes
Ca	pacity-building	\boxtimes
An	y other tasks (<i>please list</i>): [fill in]	
. ,	at are the main difficulties and challenges that your coun th the operation of the joint body, if any?	try
Go	overnance issues	
Ple	ease describe, if any: [fill in]	
Un	nexpected planning delays	
Ple	ease describe, if any: [fill in]	
La	ck of resources	\boxtimes
Ple	ease describe, if true: [fill in]	
La	ck of mechanism for implementing measures	
Ple	ease describe, if true: [fill in]	
La	ck of effective measures	
Ple	ease describe, if true: [fill in]	
Ur	nexpected extreme events	
Ple	ease describe, if any: [fill in]	
La	ck of information and reliable forecasts	\boxtimes
Ple	ease describe, if any: [fill in]	
Ot	hers (please list and describe, as appropriate): [fill in]	
	ot all riparian States are members of the joint body how do cooperate with them?	es
No	cooperation	
Th	ev have observer status	П

Other (please describe): [fill in] (h) Does the joint body or its subsidiary bodies meet regularly? Yes ⊠/No□ If yes, how frequently does it meet? [quarterly or semiannual or annual] (i) What are the main achievements with regards to the joint body? [collaboration, transparency, accountability, partnerships, improved governance] Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers? Yes ⊠/No □ (k) Did the joint body ever invite a coastal State to cooperate? Yes □/No □ If yes, please give details. If no, why not?[fill in] 4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation? Yes ⊠/No□ If yes, please provide further details: [Zambezi Basin Strategy, Zambezi IWRM Plan, Songwe River Basin Development Programme] 5. How is the transboundary basin, river, lake or aguifer protected, including the protection of ecosystems, in the context of sustainable and rational water use? Afforestation \boxtimes \boxtimes Restoration of ecosystems Environmental flow norms M Groundwater measures (e.g., protection zones) Other measures (please list): [fill in] (a) Does your country exchange information and data with other 6. riparian States in the basin? Yes ⊠/No □ (b) If yes, on what subjects are information and data exchanged? \boxtimes Environmental conditions Research activities and application of best available techniques \boxtimes Emission monitoring data П Planned measures taken to prevent, control or reduce transboundary impacts Point source pollution sources Diffuse pollution sources X Existing hydromorphological alterations (dams, etc.) \boxtimes Discharges

		Water abstractions			\boxtimes	
		Future planned measures with infrastructure development	transboun	dary impacts	, such as	
		Other subjects (please list): [fill	in]			
	(c)	Is there a shared database or in	formation _l	platform?		
	Yes	⊠/No				
	(d)	Is the database publicly available	e?			
	Yes	□/No ⊠				
	If ye	s, please provide the web addre	ss: [fill in]			
		What are the main difficulties an icable? (<i>please describe</i>): [in add			change, if	
	trans	What are the main benefits boundary waters subject to in given in place in place in place in the subject in place in the subject in place in the subject in	cooperatio			
7.		he riparian States carry out joint n, river, lake or aquifer? [No joint			sboundary	
	(a)	If yes, what does the joint moni	itoring cov	er?		
			Covered?	Hydrological	Ecological (Chemical
		Border surface waters				
		Surface waters in the entire basin				
		Surface waters on the main watercourse				
		Connected aquifers (or groundwaters)				
		Unconnected aquifers (or groundwaters)				
	(b)	If joint monitoring is carried out	, how is th	is done?		
		National monitoring stations co or common stations	nnected th	nrough a netw	ork	
		Joint and agreed methodologie	es			
		Joint sampling				
		Common monitoring network				
		Common agreed parameters				
	(c)P if an	lease describe the main achieve y:	ements reg	arding joint m	nonitoring,	
	(d) []	Please describe any difficulties e	experience	ed with joint m	onitoring:	
8.	Do trans	the riparian States carry sboundary basin, river, lake or ac	•			
	frequ	es, please provide the date of t uency and scope (e.g., surfac ution sources, etc.) of the assess	e waters	or groundwa		

9. Have the riparian States agreed to use joint water quality standards?
[Not agreed to use joint water quality standards]
If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States? [fill in]
10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?
Notification and communication
Coordinated or joint alarm system for accidental water pollution
Other (please list): [fill in]
No measures
If not, why not? What difficulties does your country face in putting
in place such measures?: [fill in]
11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events?
Notification and communication
Coordinated or joint alarm system for floods
Coordinated or joint alarm system for droughts
Joint climate change adaptation strategy
Joint disaster risk reduction strategy
Intergrated water resources Management
Other (please list): [fill in]
No measures
If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]
12. Are procedures in place for mutual assistance in case of a critical situation?
Yes ⊡/No ⊠
If yes, please provide a brief summary: [fill in]
13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer?
Yes ⊠/No □
If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country's report under that Convention.):
Stakeholders have observer status in a joint body
If yes, please specify the stakeholders for each joint body: [fill in]
Availability of information to the public

Consultation on planned measures or river basin management plans ⁹	
Public involvement	\boxtimes
Other (please specify): [fill in]	

Please remember to complete Section II for each of the transboundary basins (rivers, lakes or aquifers). Please also remember to attach copies of agreements, if any.

⁹Or, where applicable, aquifer management plans.

2: LAKE VICTORIA BASIN

Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country's share of the basin: [fill in]

1.		nere one or more transboundary (bilateral or multilateral) ement(s) or arrangement(s) on this basin?
	One	or more agreements or arrangements exist and are in force $\ igstyle igy igstyle igy igstyle igy igstyle igstyle igy igstyle igy igstyle igy igstyle igy igstyle igstyle igy igy igy igy igy igy igy igy$
	Agre	ement or arrangement developed but not in force
	Agre	ement or arrangement developed, but not in force for all riparians
		se insert the name of the agreement or agreements or agements:
	i.	East African Treaty;
	ii.	Protocol for Sustainable Development of the Lake Victoria Basin
	iii.	Nile River Basin Cooperative Framework Agreement
	iv.	MoU for Mara River Basin between Kenya and Tanzania:
	٧.	MOu FOR Kagera Basin between Burundi Uganda Rwanda and Tanzania]
	Agre	ement or arrangement is under development
	No a	greement
trans	addre ere is sboun	nin briefly why not and provide information on any plans to ess the situation: [fill in] no agreement or arrangement and no joint body for the idary basin, river, lake or aquifer then jump to question 4; if agreement, but a joint body then go to question 3.
agre	emen	2 and 3 to be completed for each bilateral or multilateral tor arrangement in force in the transboundary basin(river, uifer) or group of basins or sub-basins
2.	` '	Does this agreement or arrangement specify the basin area ect to cooperation?
Ye	es 🖂/	No 🗌
	•	s, does it cover the entire basin, or group of basins, and all an States?
	Yes [⊠/No □
	If not	, what does it cover? [fill in]
		f the agreement or arrangement relates to a sub-basin, does it r the entire sub-basin?
	Yes [⊠/No □
		th States (including your own) are bound by the agreement or agement? (Please list): [Tanzania, Kenya, Uganda, Burundi, and and all

(b) Are aquiters (or groundwater bodies) covered by agreement/arrangement?	tne
Yes ⊠/No ⊠	
(c) What is the sectoral scope of the agreement or arrangement	>
All water uses	\boxtimes
A single water use or sector	
Several water uses or sectors	
If one or several water uses or sectors, please list (check appropriate):	as as
Water uses or sectors	
Industry	\boxtimes
Agriculture	\boxtimes
Transport (e.g., navigation)	\boxtimes
Households	\boxtimes
Energy: hydropower and other energy types	\boxtimes
Tourism	\boxtimes
Nature protection	\boxtimes
Other (please list): [fill in]	
(d) What topics or subjects of cooperation are included in agreement or arrangement?	the
Procedural and institutional issues	
Dispute and conflict prevention and resolution	\boxtimes
Institutional cooperation (joint bodies)	\boxtimes
Consultation on planned measures	\boxtimes
Mutual assistance	\boxtimes
Topics of cooperation	
Joint vision and management objectives	\boxtimes
Joint significant water management issues	\boxtimes
Navigation	\boxtimes
Environmental protection (ecosystem)	\boxtimes
Water quality	\boxtimes
Water quantity or allocation	\boxtimes
Cooperation in addressing floods	\boxtimes
Cooperation in addressing droughts	\boxtimes
Climate change adaptation	\boxtimes
Monitoring and exchange	
Joint assessments	\boxtimes
Data collection and exchange	\boxtimes
Joint monitoring	\boxtimes

	Maintenance of joint pollution inventories	
	Elaboration of joint water quality objectives	\boxtimes
	Common early warning and alarm procedures	
	Exchange of experience between riparian States	
	Exchange of information on planned measures	
	Joint planning and management	
	Development of joint regulations on specific topics	\boxtimes
	Development of international or joint river, lake or aquifer basin management or action plans	
	Management of shared infrastructure	
	Development of shared infrastructure Other (please list): [fill in]	
	(e) What are the main difficulties and challenges that you faces with the agreement or arrangement and its implement any (please describe, if applicable): [Contribution of fund Sharing; Mutual Agreement on abstraction is still a problem]	ntation, if
	(f) What are the main achievements in implementing the agor arrangement and what were the keys to achieving such a [We have agreed on implementation of joint projects institutional framework setup	success?
	Key for achieving the above: [Regular Meetings and joint plant all levels]	anning at
	(g) Please attach a copy of the agreement or arrangement of the web address of the document (please attach document web address, if applicable): [www.lvbcom.org]	
3.	Is your country a member of an operational joint body or joint for this agreement/arrangement?	nt bodies
	Yes ⊠/No □	
	If no, why not? (please explain): [fill in]	
W	here there is a joint body (or bodies)	
	(a) If there is a joint body, which kind of joint body (ple one)?	ease tick
	Plenipotentiaries	
	Bilateral commission	
	Basin or similar commission	\boxtimes
	Other (please describe): [fill in]	
	(b) Does the joint body cover the entire transboundary basi basin, river, lake or aquifer, or group of basins, and all States?	
	Yes ⊠/No □	
	(c) Which States (including your own) are member of the joint (Please list) [Kenya, Uganda, Tanzania, Rwanda, Burundi]	int body?
	(d) Does the joint body have any of the following features tick the ones applicable)?	s (please

	A secretariat	\boxtimes
	If the secretariat is a permanent one, is it a joint secretariat does each country host its own secretariat? (Please describe [Joint]	
	A subsidiary body or bodies	\boxtimes
	Joint Secretriat	
and coord	Please list (e.g., working groups on specific topics): [Techi lination Commitees; Council of Ministers]	nical
	Regional Policy Steering Committee (Permanent Secretarie	s)
	Lake Victoria Basin Council of Ministers (Ministers)	
	Other features (please list): [fill in]	
(e)	What are the tasks and activities of this joint body? ¹⁰	
	Identification of pollution sources Data collection and exchange	
	Joint monitoring	
	Maintenance of joint pollution inventories	
	Setting emission limits	
	Elaboration of joint water quality objectives	\boxtimes
	Management and prevention of flood or drought risks	\boxtimes
	Preparedness for extreme events, e.g., common early warn and alarm procedures	ing
	Water allocation and/or flow regulation	
	Policy development	\boxtimes
	Control of implementation	
	Exchange of experience between riparian States	\boxtimes
	Exchange of information on existing and planned uses of water and related installations Settling of differences and conflicts	\boxtimes
	Consultations on planned measures	\boxtimes
	Exchange of information on best available technology	
	Participation in transboundary EIA	\boxtimes
	Development of river, lake or aquifer basin management action plans	nt or
	Management of shared infrastructure	
	Addressing hydromorphological alterations	
	Climate change adaptation	\boxtimes
	Joint communication strategy	\boxtimes
	Basin-wide or joint public participation and consultation of, for example, basin management plans	\boxtimes

This may include tasks according to the agreement or tasks added by the joint body, or its subsidiaries. Both tasks which joint bodies coordinate and tasks which they implement should be included.

	Joint resources to support transboundary cooperation	\boxtimes
	Capacity-building	\boxtimes
	Any other tasks (please list): [fill in]	
	(f) What are the main difficulties and challenges that your confaces with the operation of the joint body, if any?	ountry
	Governance issues	\boxtimes
	Please describe, if any:	
	Unexpected planning delays	\boxtimes
	Please describe, if any: [Political Instability in MS delays	s joint
mee	ings]	<u> </u>
	Lack of resources	
	Please describe, if true: [Financial]	
	Lack of mechanism for implementing measures	
	Please describe, if true: [fill in]	
	Lack of effective measures	
	Please describe, if true: [fill in]	
	Unexpected extreme events	\boxtimes
	Please describe, if any: [due to climate change]	
	Lack of information and reliable forecasts	\boxtimes
	Please describe, if any: [inadequate and reliable data]	
	Others (please list and describe, as appropriate): [fill in]	
	(g) If not all riparian States are members of the joint body how the body cooperate with them?	does
	No cooperation	
	They have observer status	
	Other (please describe): [fill in]	
	(h) Does the joint body or its subsidiary bodies meet regularly?Yes ⊠/No□	
	If yes, how frequently does it meet? [Quartely]	
Proje	(i) What are the main achievements with regards to the joint boots and Programmes]	ody? [Joint
	(j) Are representatives of international organizations invited to meetings of the joint body (or bodies) as observers?	the
	Yes ⊠/No □	
	(k) Did the joint body ever invite a coastal State to cooperate?	
	Yes □/No ⊠	
	If yes, please give details. If no, why not?[fill in]	
4.	Is there a joint or coordinated management plan (such as an plan or a common strategy) or have joint objectives bee specifically on the transboundary waters subject to cooperation?	n set
	Yes ⊠/No□	

5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use? Afforestation \boxtimes \boxtimes Restoration of ecosystems \square Environmental flow norms Groundwater measures (e.g., protection zones) Other measures (please list): [fill in] 6. (a) Does your country exchange information and data with other riparian States in the basin? Yes ⊠/No □ If yes, on what subjects are information and data exchanged? (b) \boxtimes **Environmental conditions** Research activities and application of best available techniques \boxtimes Emission monitoring data П Planned measures taken to prevent, control or reduce \boxtimes transboundary impacts \boxtimes Point source pollution sources Diffuse pollution sources Existing hydromorphological alterations (dams, etc.) X Discharges \boxtimes Water abstractions Future planned measures with transboundary impacts, such as infrastructure development Other subjects (please list): [fill in] Is there a shared database or information platform? (c) Yes ⊠/No □ (d) Is the database publicly available? Yes ⊠/No □ If yes, please provide the web address: [www.lvbcom.org] (e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [Some of the data in a country are classified for security reasons] (f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): [help in planning and management of the resources] 7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer? Yes ⊠/No □

If yes, please provide further details: [10 year LVB strategy]

		C	overed? Hyd	drological Ec	ological Ch	nemical
		Border surface waters	\boxtimes		\boxtimes	\boxtimes
		Surface waters in the entire basin				
		Surface waters on the main watercourse				
		Connected aquifers (or groundwaters)				
		Unconnected aquifers (or groundwaters)				
	(b)	If joint monitoring is carried out, I	now is this do	one?		
		National monitoring stations con or common stations	nected throug	gh a network		
		Joint and agreed methodologies			\boxtimes	
		Joint sampling			\boxtimes	
		Common monitoring network				
		Common agreed parameters			\boxtimes	
		ease describe the main achievem : [Helps in joint decision making]	nents regardi	ng joint mon	itoring,	
		Please describe any difficulties ex ling; monitoring and evaluation da	•	th joint moni	toring:	
8.		the riparian States carry ou boundary basin, river, lake or aqu		sessment o	of the	
	Yes [⊠/No □				
	frequ	s, please provide the date of the ency and scope (e.g., surface tion sources, etc.) of the assessm	waters or g	•		
9. Ha	ave the	e riparian States agreed to use jo	int water qua	lity standard	s?	
	Yes [⊠/No □				
	speci the [the	s, is the basis an international fy which) or has it been adapted riparian standards are used by the Basin ted from the national]	from the na	tional standa S	ards of States?	
10.		are the measures implemer boundary impact of accidental po	•	vent or lim	nit the	
		Notification and communication			\boxtimes	
		Coordinated or joint alarm syste	m for accide	ntal water po	ollution	
		Other (please list): [fill in]				
		No measures				

(a) If yes, what does the joint monitoring cover?

	putting in place such measures?: [fill in]	
11.	What are the measures implemented to prevent or limit transboundary impact of extreme weather events?	he
	Notification and communication	\boxtimes
	Coordinated or joint alarm system for floods	
	Coordinated or joint alarm system for droughts	
	Joint climate change adaptation strategy	\boxtimes
	Joint disaster risk reduction strategy	\boxtimes
	Other (please list): [fill in]	
	No measures	
	If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]	
12. situa	Are procedures in place for mutual assistance in case of a critication?	cal
Υ	es ⊡/No ⊠	
lf	yes, please provide a brief summary: [fill in]	
13.	Are the public or relevant stakeholders involved in transboundar water management in the basin, river, lake or aquifer?	ıry
Υ	es ⊠/No □	
	If yes, how? (please tick all applicable) (Please note: If your country a Party to the Convention on Access to Information, Pub Participation in Decision-making and Access to Justice Environmental Matters (Aarhus Convention), you may refer to yo country's report under that Convention.):	lic in
	Stakeholders have observer status in a joint body	
of BI	If yes,please specify the stakeholders for each joint body: [UMUs]	se
	Availability of information to the public	
	Consultation on planned measures or river basin management plans ¹¹	\boxtimes
	Public involvement	\boxtimes
	Other (please specify): [fill in]	

If not, why not? What difficulties does your country face in

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¹¹Or, where applicable, aquifer management plans.

3. Nile River Basin

Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country's share of the basin: [Nile River Basin]

agreement(s) or arrangement(s) on this basin?

Is there one or more transboundary (bilateral or multilateral)

One or more agreements or arrangements exist and are in force

	Agreement or arrangement developed but not in force	
	Agreement or arrangement developed, but not in force for all riparian	s
	Please insert the name of the agreement or agreements of arrangements: [Nile Basin Cooperative Framework Agreement]	r
	Agreement or arrangement is under development	
	No agreement	
	If there is no agreement or arrangement or it is not in force, pleas explain briefly why not and provide information on any plans to address the situation: [fill in]	
trans	ere is no agreement or arrangement and no joint body for the sboundary basin, river, lake or aquifer then jump to question 4; if e is no agreement, but a joint body then go to question 3.	
agre	stions 2 and 3 to be completed for each bilateral or multilateral ement or arrangement in force in the transboundary basin(river, or aquifer) or group of basins or sub-basins	
2.	(a) Does this agreement or arrangement specify the basin are subject to cooperation?	а
Υe	es ⊠/No □	
	If yes, does it cover the entire basin, or group of basins, and a riparian States?	ıII
	Yes ⊠/No □	
	If not, what does it cover? [fill in]	
	Or, if the agreement or arrangement relates to a sub-basin, does cover the entire sub-basin?	it
	Yes ⊠/No □	
	Which States (including your own) are bound by the agreement of arrangement? (<i>Please list</i>): [Tanzania, Kenya, Uganda, Burund Rwanda, DRC, South Sudan, Sudan, Ethiopia, Elitrea, Egypt]	
	(b) Are aquifers (or groundwater bodies) covered by th agreement/arrangement?	е
	Yes ⊠/No □	
(c)) What is the sectoral scope of the agreement or arrangement?	

	All water uses	
	A single water use or sector	
	Several water uses or sectors	\boxtimes
If one appropriate	or several water uses or sectors, please list (check	as
V	Nater uses or sectors	
	Industry	
	Agriculture	
	Transport (e.g., navigation)	
	Households	
	Energy: hydropower and other energy types	\boxtimes
	Tourism	\boxtimes
	Nature protection	
	Other (please list): [fill in]	
٠,,	What topics or subjects of cooperation are included in ement or arrangement?	the
F	Procedural and institutional issues	
	Dispute and conflict prevention and resolution	\boxtimes
	Institutional cooperation (joint bodies)	\boxtimes
	Consultation on planned measures	\boxtimes
	Mutual assistance	\boxtimes
1	Topics of cooperation	
	Joint vision and management objectives	\boxtimes
	Joint significant water management issues	\boxtimes
	Navigation	
	Environmental protection (ecosystem)	
	Water quality	
	Water quantity or allocation	
	Cooperation in addressing floods	
	Cooperation in addressing droughts	
	Climate change adaptation	
N	Monitoring and exchange	
	Joint assessments	\boxtimes
	Data collection and exchange	
	Joint monitoring	\boxtimes
	Maintenance of joint pollution inventories	
	Elaboration of joint water quality objectives	\boxtimes
	Common early warning and alarm procedures	
	Exchange of experience between riparian States	

	Exchange of information on planned measures	\boxtimes
	Joint planning and management	
	Development of joint regulations on specific topics	\boxtimes
	Development of international or joint river, lake or aquifer basin management or action plans	\boxtimes
	Management of shared infrastructure	\boxtimes
	Development of shared infrastructure Other (please list): [fill in]	
	(e) What are the main difficulties and challenges that your faces with the agreement or arrangement and its implement any (<i>please describe, if applicable</i>): [inadequate financial reso pay country contributions]	ntation, if
	(f) What are the main achievements in implementing the agor arrangement and what were the keys to achieving such s [developmental projects]	
	Keys for achieving success is the joint planning	
	(g) Please attach a copy of the agreement or arrangement of the web address of the document (<u>www.nile basin</u> initiative.co	•
3.	Is your country a member of an operational joint body or join for this agreement/arrangement?	nt bodies
	Yes ⊠/No □	
	If no, why not? (please explain): [fill in]	
	in no, why not: (picase explain). [iiii iii]	
V	/here there is a joint body (or bodies)	
W	, , , , , , , , , , , , , , , , , , , ,	ease tick
W	There there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple	ease tick
W	<pre>//here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)?</pre>	ease tick
W	<pre>/here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries</pre>	ease tick
W	/here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission	ease tick
V	/here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
\	/here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
•	/here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all States?	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
•	 /here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all States? Yes ⊠/No □ 	n or sub-
•	 /here there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all States? Yes ⊠/No □ (c) Which States are member of the joint body? [fill in] (d) Does the joint body have any of the following features 	n or sub-
•	 (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all States? Yes ⊠/No □ (c) Which States are member of the joint body? [fill in] (d) Does the joint body have any of the following features tick the ones applicable)? 	n or subriparian s (please
•	 (a) If there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (pleone)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all States? Yes ⊠/No □ (c) Which States are member of the joint body? [fill in] (d) Does the joint body have any of the following features tick the ones applicable)? A secretariat If the secretariat is a permanent one, is it a joint secretar does each country host its own secretariat? (Please described) 	n or subriparian s (please
•	 (a) If there is a joint body (or bodies) (a) If there is a joint body, which kind of joint body (ple one)? Plenipotentiaries Bilateral commission Basin or similar commission Other (please describe): [multi-lateral cooperation] (b) Does the joint body cover the entire transboundary basin basin, river, lake or aquifer, or group of basins, and all States? Yes ⊠/No □ (c) Which States are member of the joint body? [fill in] (d) Does the joint body have any of the following features tick the ones applicable)? A secretariat If the secretariat is a permanent one, is it a joint secretar does each country host its own secretariat? (Please describili in] 	n or subriparian (please iriat or scribe):

e)	What are the tasks and activities of this joint body? ¹²	
	Identification of pollution sources Data collection and exchange	
	Joint monitoring	
	Maintenance of joint pollution inventories	
	Setting emission limits	
	Elaboration of joint water quality objectives	\boxtimes
	Management and prevention of flood or drought risks	
	Preparedness for extreme events, e.g., common early warning and alarm procedures	ng
	Water allocation and/or flow regulation	
	Policy development	
	Control of implementation	
	Exchange of experience between riparian States	
	Exchange of information on existing and planned uses of water and related installations Settling of differences and conflicts	
	Consultations on planned measures	
	Exchange of information on best available technology	
	Participation in transboundary EIA	
	Development of river, lake or aquifer basin management action plans	or
	Management of shared infrastructure	
	Addressing hydromorphological alterations	
	Climate change adaptation	
	Joint communication strategy	\boxtimes
	Basin-wide or joint public participation and consultation of, for example, basin management plans	
	Joint resources to support transboundary cooperation	
	Capacity-building	\boxtimes
	Any other tasks (please list): [fill in]	
	What are the main difficulties and challenges that your courts with the operation of the joint body, if any?	ntry
	Governance issues	
	Please describe, if any: [fill in]	
	Unexpected planning delays	
	Please describe, if any: [fill in]	
	Lack of resources	\boxtimes

¹²This may include tasks according to the agreement or tasks added by the joint body, or its subsidiaries. Both tasks which joint bodies coordinate and tasks which they implement should be included.

	Please describe, if true: [Financial resources]	
	Lack of mechanism for implementing measures	
	Please describe, if true: [fill in]	
	Lack of effective measures	
	Please describe, if true: [fill in]	
	Unexpected extreme events	\boxtimes
	Please describe, if any: [due to climate change]	
	Lack of information and reliable forecasts	
	Please describe, if any: [fill in]	
	Others (please list and describe, as appropriate): [fill in]	
	(g) If not all riparian States are members of the joint body how dethe body cooperate with them?	oes
	No cooperation	
	They have observer status	
	Other (please describe): [All riparian states are members]	
	(h) Does the joint body or its subsidiary bodies meet regularly?	
	Yes ⊠/No□	
	If yes, how frequently does it meet? [quaterlly but sometimen needs arises]	nes
deve	(i) What are the main achievements with regards to the joint body lopmental projects]	/? [Joint
	(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?	ne
	Yes ☐/No ☐ sometimes international organizations are invited	
	(k) Did the joint body ever invite a coastal State to cooperate?	
	Yes □/No ⊠	
	If yes, please give details. If no, why not?[fill in]	
4.	Is there a joint or coordinated management plan (such as an activation of a common strategy) or have joint objectives been specifically on the transboundary waters subject to cooperation?	
	Yes ⊠/No□	
	If yes, please provide further details: [water resources managem plans, and strategy exist]	ent
5.	How is the transboundary basin, river, lake or aquifer protection including the protection of ecosystems, in the context of sustainand rational water use?	
	Afforestation	
	Restoration of ecosystems	
	Environmental flow norms	
	Groundwater measures (e.g., protection zones)	
	Other measures (please list): [fill in) dermacation of water source	

6.	,	` '	Does your country exchange ian States in the basin?	information	and data	with other	
	`	Yes	□/No ⊠				
	(b)	ı	If yes, on what subjects are info	rmation and	data excha	nged?	
			Environmental conditions				
	[Research activities and applic	ation of best	available t	echniques	
			Emission monitoring data				
			Planned measures taken to pr transboundary impacts	event, contro	l or reduce	·	
			Point source pollution sources				
			Diffuse pollution sources				
			Existing hydromorphological a	Iterations (da	ms, etc.)		
			Discharges				
			Water abstractions				
			Future planned measures with infrastructure development	transbounda	ary impacts	s, such as	
			Other subjects (please list): [fil	l in]			
	(c)	ı	Is there a shared database or in	formation pla	atform?		
	`	Yes	⊠/No □				
	(d) Is the database publicly available?						
	Yes □/No ⊠						
If yes, please provide the web address: [fill in]							
	(change, if					
	t	,	What are the main benefit boundary waters subject to o):		exchange (<i>preparati</i>		
7.	Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer?						
	`	Yes	□/No ⊠				
	((a)	If yes, what does the joint mon	itoring cover	?		
				Covered? H	ydrologica	l Ecological	Chemical
			Border surface waters				
			Surface waters in the entire basin				
			Surface waters on the main watercourse				
			Connected aquifers (or groundwaters)				
			Unconnected aquifers (or groundwaters)				

	(b)	If joint monitoring is carried out, how is this done?	
		National monitoring stations connected through a network or common stations	
		Joint and agreed methodologies	
		Joint sampling	
		Common monitoring network	
		Common agreed parameters	
		lease describe the main achievements regarding joint monitor y: [N/A]	ing,
	(d) [N/A]	Please describe any difficulties experienced with joint monitori]	ng:
8.	Do trans	the riparian States carry out joint assessment of sboundary basin, river, lake or aquifer?	the
	Yes	□/No ⊠	
	frequ	es, please provide the date of the last or only assessment, uency and scope (e.g., surface waters or groundwaters of the sources, etc.) of the assessment: [fill in]	
9. H	ave th	ne riparian States agreed to use joint water quality standards?	
	Yes	□/No ⊠	
		es, is the basis an international or regional standard (ple ify which) or has it been adapted from the national standard riparian Stat n]	s of
10.		t are the measures implemented to prevent or limit sboundary impact of accidental pollution?	the
		Notification and communication	\boxtimes
		Coordinated or joint alarm system for accidental water pollu	tion
		Other (please list): [fill in]	
		No measures	
		If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]No agreement between the riparian countries	
11.		t are the measures implemented to prevent or limit sboundary impact of extreme weather events?	the
		Notification and communication	\boxtimes
		Coordinated or joint alarm system for floods	
		Coordinated or joint alarm system for droughts	
		Joint climate change adaptation strategy	
		Joint disaster risk reduction strategy	
		Other (please list): [fill in]	
		No measures	

12. Are procedures in place for mutual assistance in case of a cr situation?	itical
Yes ⊡/No ⊠	
If yes, please provide a brief summary: [fill in]	
13. Are the public or relevant stakeholders involved in transboun water management in the basin, river, lake or aquifer?	dary
Yes ⊠/No □	
If yes, how? (please tick all applicable) (Please note: If your coun a Party to the Convention on Access to Information, P Participation in Decision-making and Access to Justice Environmental Matters (Aarhus Convention), you may refer to country's report under that Convention.):	ublic in
Stakeholders have observer status in a joint body	
If yes, please specify the stakeholders for each joint body: [f	ill in]
Availability of information to the public	\boxtimes
Consultation on planned measures or river basin management plans ¹³	\boxtimes
Public involvement	\boxtimes
Other (please specify): [fill in]	

If not, why not? What difficulties does your country face in

in place such measures?: [fill in] No agreement between the

putting

riparian countries

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¹³Or, where applicable, aquifer management plans.

4: RUVUMA BASIN

1.

Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country's share of the basin: [Ruvuma basin]

Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin?

	One or more agreements or arrangements exist and are in force $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
	Agreement or arrangement developed but not in force
	Agreement or arrangement developed, but not in force for all riparians $\hfill\Box$
	Please insert the name of the agreement or agreements or arrangements: [Agreement Between Tanzania and Mozambique on the Establishmenet of Ruvuma basin Comission]
	Agreement or arrangement is under development
	No agreement
	If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]
trans	ere is no agreement or arrangement and no joint body for the sboundary basin, river, lake or aquifer then jump to question 4; if e is no agreement, but a joint body then go to question 3.
agre	stions 2 and 3 to be completed for each bilateral or multilateral ement or arrangement in force in the transboundary basin(river, or aquifer) or group of basins or sub-basins
2.	(a) Does this agreement or arrangement specify the basin area subject to cooperation?
Υe	es ⊠/No □
	If yes, does it cover the entire basin, or group of basins, and all riparian States? Cover the entire basin
	Yes ⊠/No □
	If not, what does it cover? [fill in]
	Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?
	Yes ⊠/No □
	Which States (including your own) are bound by the agreement or arrangement? [Tanzania and Mozambique]: [
	(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?
	Yes ⊠/No □
(c) What is the sectoral scope of the agreement or arrangement?
	All water uses

	A single water use or sector	
	Several water uses or sectors	\boxtimes
If one appropriate	, ,	as
V	Nater uses or sectors	
	Industry	\boxtimes
	Agriculture	\boxtimes
	Transport (e.g., navigation)	
	Households	\boxtimes
	Energy: hydropower and other energy types	\boxtimes
	Tourism	
	Nature protection	\boxtimes
	Other (please list): [fill in]	
	What topics or subjects of cooperation are included in ement or arrangement?	the
F	Procedural and institutional issues	
	Dispute and conflict prevention and resolution	
	Institutional cooperation (joint bodies)	\boxtimes
	Consultation on planned measures	\boxtimes
	Mutual assistance	
1	Topics of cooperation	
	Joint vision and management objectives	
	Joint significant water management issues	
	Navigation	Ш
	Environmental protection (ecosystem)	\boxtimes
	Water quality	\boxtimes
	Water quantity or allocation	\boxtimes
	Cooperation in addressing floods	
	Cooperation in addressing droughts	\boxtimes
	Climate change adaptation	\boxtimes
V	Monitoring and exchange	
	Joint assessments	\boxtimes
	Data collection and exchange	
	Joint monitoring	
	Maintenance of joint pollution inventories	
	Elaboration of joint water quality objectives	
	Common early warning and alarm procedures	
	Exchange of experience between riparian States	
	Exchange of information on planned measures	\boxtimes

		Joint planning and management	
		Development of joint regulations on specific topics	\boxtimes
		Development of international or joint river, lake or aquifer basin management or action plans	\boxtimes
		Management of shared infrastructure	
		Development of shared infrastructure Other (please list): [fill in]	
	face	What are the main difficulties and challenges that your cons with the agreement or arrangement and its implementation [Language barrier, inadequate fund]:	-
	or a	What are the main achievements in implementing the agreer rrangement and what were the keys to achieving such succent programme and projects, capacity development]	
	the v	Please attach a copy of the agreement or arrangement or proweb address of the document (please attach document or in address, if applicable): [www.maji.go.tz]	
3.		our country a member of an operational joint body or joint bohis agreement/arrangement?	odies
	Yes	⊠/No □	
	If no	o, why not? (please explain): [fill in]	
W	here	there is a joint body (or bodies)	
	(a)	If there is a joint body, which kind of joint body (please one)?	tick
		Plenipotentiaries	
		Bilateral commission	
		Basin or similar commission	
[fill in	. 1	Other (Joint commission between Tanzania and Mozambio	que):
נוווו ווו	(b)	Does the joint body cover the entire transboundary basin or n, river, lake or aquifer, or group of basins, and all ripaes?	
	Yes	⊠/No	
		Which States (including your own) are member of the joint be azania and Mozambique)	ody?
	٠,	Does the joint body have any of the following features (plathe ones applicable)?	ease
		A secretariat	
		If the secretariat is a permanent one, is it a joint secretariat does each country host its own secretariat? (Please describe [there is no Joint secretariat, each country host its own unit]	e):
		A subsidiary body or bodies	
		Please list (e.g. working groups on specific topics): [fill in]	

	Other features (Joint water commission): [fill in]	
(e)	What are the tasks and activities of this joint body? ¹⁴	
	Identification of pollution sources Data collection and exchange	
	Joint monitoring	
	Maintenance of joint pollution inventories	
	Setting emission limits	
	Elaboration of joint water quality objectives	
	Management and prevention of flood or drought risks	
	Preparedness for extreme events, e.g., common early warni and alarm procedures	ng
	Water allocation and/or flow regulation	
	Policy development	
	Control of implementation	\boxtimes
	Exchange of experience between riparian States	\boxtimes
	Exchange of information on existing and planned uses of water and related installations Settling of differences and conflicts	\boxtimes
	Consultations on planned measures	\boxtimes
	Exchange of information on best available technology	\boxtimes
	Participation in transboundary EIA	\boxtimes
	Development of river, lake or aquifer basin management action plans	ıt or ⊠
	Management of shared infrastructure	\boxtimes
	Addressing hydromorphological alterations	
	Climate change adaptation	\boxtimes
	Joint communication strategy	\boxtimes
	Basin-wide or joint public participation and consultation of, for example, basin management plans	\boxtimes
	Joint resources to support transboundary cooperation	\boxtimes
	Capacity-building	\boxtimes
	Any other tasks (please list): [fill in]	
	What are the main difficulties and challenges that your cous with the operation of the joint body, if any?	ıntry
	Governance issues	
	Please describe, if any: [fill in]	
	Unexpected planning delays	
	Please describe, if any: [fill in]	

¹⁴This may include tasks according to the agreement or tasks added by the joint body, or its subsidiaries. Both tasks which joint bodies coordinate and tasks which they implement should be included.

	Limited budget due to other priorities: [fill in]	
	Lack of mechanism for implementing measures	
	Please describe, if true: [fill in]	
	Lack of effective measures	
	Please describe, if true: [fill in]	
	Unexpected extreme events	
	Ple-ase describe, if any: [fill in]	
	Lack of information and reliable forecasts	
reliat	Lack of effective system to capture information timely ble	and
	Others (please list and describe, as appropriate): [fill in]	
	(g) If not all riparian States are members of the joint body how the body cooperate with them?	does
	No cooperation	
	They have observer status	
	Other (please describe): [All are members]	
	(h) Does the joint body or its subsidiary bodies meet regularly?	
	Yes □/No⊠	
	If yes, how frequently does it meet?	
achie	(i) What are the main achievements with regards to the joint bookevements so far]	ly? [No
	(j) Are representatives of international organizations invited to meetings of the joint body (or bodies) as observers?	the
	Yes □/No ⊠	
	(k) Did the joint body ever invite a coastal State to cooperate?	
	Yes □/No □	
	If yes, please give details. If no, why not?[fill in]	
4.	Is there a joint or coordinated management plan (such as an applan or a common strategy) or have joint objectives been specifically on the transboundary waters subject to cooperation?	
	Yes ⊠/No□	
 •	rovide further details: [DEVELOPMENT OF THE RUVUMA RIVE AND JOINT INTEGRATED WATER RESOURCES MANAGEMENT	
5.	How is the transboundary basin, river, lake or aquifer protection of ecosystems, in the context of sustain and rational water use?	
	Afforestation	
	Restoration of ecosystems	
	Environmental flow norms	
	Groundwater measures (e.g., protection zones)	

Lack of resources

6. (a) Does your country exchange information and data with other riparian States in the basin? Yes⊠/No □ If yes, on what subjects are information and data exchanged? (b) **Environmental conditions** \square Research activities and application of best available techniques \boxtimes Emission monitoring data Planned measures taken to prevent, control or reduce transboundary impacts \boxtimes \boxtimes Point source pollution sources Diffuse pollution sources Existing hydromorphological alterations (dams, etc.) Discharges \square Water abstractions Future planned measures with transboundary impacts, such as infrastructure development Other subjects (please list): [fill in] (c) Is there a shared database or information platform? Yes ⊠/No □ (d) Is the database publicly available? Yes □/No □ If yes, please provide the web address: [fill in] (e) What are the main difficulties and challenges to data exchange, if applicable?: [data are not reliable] (f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? [prio nortification]: 7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer? Yes ∏/No ⊠ If yes, what does the joint monitoring cover? (a) Covered? Hydrological Ecological Chemical Border surface waters Surface waters in the entire basin Surface waters on the main watercourse Connected aguifers (or groundwaters) Unconnected aquifers (or

groundwaters)

Other measures (Surface water assessment): [fill in]

	(b)	If joint monitoring is carried out, how is this done?			
		National monitoring stations connected through a network or common stations			
		Joint and agreed methodologies			
		Joint sampling			
		Common monitoring network			
		Common agreed parameters			
		ease describe the main achievements regarding joint monitori /: [fill in]	ng,		
	(d) F [fill in	Please describe any difficulties experienced with joint monitorions. I	ng:		
8.		boundary basin, river, lake or aquifer?	the		
	Yes [□/No ⊠			
	frequ	s, please provide the date of the last or only assessment, lency and scope (e.g., surface waters or groundwaters of tion sources, etc.) of the assessment: [fill in]			
9. Ha	ave th	e riparian States agreed to use joint water quality standards?			
	Yes [□/No ⊠			
		s, is the basis an international or regional standard (plea ify which) or has it been adapted from the national standards riparian State n]	s of		
10.		t are the measures implemented to prevent or limit boundary impact of accidental pollution?	the		
		Notification and communication	\boxtimes		
		Coordinated or joint alarm system for accidental water pollut	tion		
		Other (please list): [fill in]			
		No measures			
		If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]			
11.			the		
		Notification and communication			
		Coordinated or joint alarm system for floods			
		Coordinated or joint alarm system for droughts			
		Joint climate change adaptation strategy	\boxtimes		
		Joint disaster risk reduction strategy			
		Other (please list): [fill in]			
		No measures	П		

If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]	
12. Are procedures in place for mutual assistance in case of a critical situation?	al
Yes □/No ⊠	
If yes, please provide a brief summary: [fill in]	
13. Are the public or relevant stakeholders involved in transboundar water management in the basin, river, lake or aquifer?	y
Yes ⊠/No □	
If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice is Environmental Matters (Aarhus Convention), you may refer to you country's report under that Convention.):	c n
Stakeholders have observer status in a joint body]
If yes, please specify the stakeholders for each joint body: [fill in]
Availability of information to the public]
Consultation on planned measures or river basin management plans ¹⁵]
Public involvement	
Other (please specify): [fill in]	

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¹⁵Or, where applicable, aquifer management plans.

III. General information on transboundary water management at the national level

In this section, you are requested to provide general information on transboundary water management at the national level. Information on specific transboundary basins (rivers, lakes or aquifers) and agreements should be presented in Section II and not repeated here.

1.	(a) Does your country's national legislation refer to measures to prevent, control and reduce any transboundary impact?
	Yes ⊠/No □
	If yes, list the main national legislation: [Water Resources Management Act No. 11, 2009]
	(b) Do your country's national policies, action plans and strategies refer to measures to prevent, control and reduce any transboundary impact?
	Yes ⊠/No □
	If yes, list the main national policies, action plans and strategies: [National Water Policy 2002, Basin IWRMD Plans, Water Sector Environmenatl Action Plan of 2011]
	(c) Does your country's legislation provide for the following principles?
	Precautionary principle Yes ⊠/No □
	Polluter pays principle Yes ⊠/No □
	Sustainable development Yes ⊠/No □
	(d) Does your country have a national licensing or permitting system for wastewater discharges and other point source pollution (e.g., in industry, mining, energy, municipal, wastewater management or other sectors)?
	Yes ⊠/No □
	If yes, for which sectors? (please list): [All sectors/users/ water users, industry, agriculture, mining mining, energy, hydropower, municipality, acquirculture etc]
	If not, please explain why not (giving the most important reasons) or provide information if there are plans to introduce a licensing or permitting system: [fill in]
	If your country has a licensing system, does the system provide for setting emission limits based on best available technology?
	Yes ⊠/No □
	(e) Are the authorized discharges monitored and controlled?
	Yes ⊠/No □
	If yes, how? (Please tick the ones applicable):
	Monitoring of discharges
	Monitoring of physical and chemical impacts on water
	Monitoring of ecological impacts on water
	Conditions on permits

Inspectorate	\boxtimes				
Other means (please list): [fill in]					
If your country does not have a discharge monitoring system, please explain why not or provide information if there are plans to introduce a discharge monitoring system: [fill in]					
(f) What are the main measures which your country takes diffuse sources of water pollution on transboundary waters (agriculture, transport, forestry or aquaculture)? The measu below relate to agriculture, but other sectors may be more s Please be sure to include these under "others":	e.g., from ires listed				
Legislative measures					
Norm for uses of fertilizers	\boxtimes				
Norms for uses of manure	\boxtimes				
Bans on or norms for use of pesticides	\boxtimes				
Others (please list): [use of posubastances/chemicals in fishing activities]	oisonous				
Economic and financial measures					
Monetary incentives	\boxtimes				
Environmental taxes (such as fertilizer taxes)					
Others (please list): [fill in]					
Agricultural extension services					
Technical measures					
Source control measures					
Crop rotation	\boxtimes				
Tillage control					
Winter cover crops					
Others (please list): [fill in]					
Other measures					
Buffer/filter strips	\boxtimes				
Wetland reconstruction					
Sedimentation traps					
Chemical measures					
Others (please list): [fill in]					
Other types of measures					
If yes, please list: [fill in]					
(g) What are the main measures which your country enhance water efficiency?	takes to				
Please tick as appropriate (not all might be relevant)					
A regulatory system regarding water abstraction	\boxtimes				
Monitoring and control of abstractions					
Water rights are clearly defined					

	Water allocation priorities are listed	\boxtimes
	Water-saving technologies	
	Advanced irrigation techniques	
	Demand management activities	\boxtimes
	Other means (please list)	
	(h) Does your country apply the ecosystems?	
	Yes ⊠/No □	
If y	yes, please describe how: [fill in]	
	(i) Does your country take specific measures to prevent the pollution of groundwaters?	on
	Yes ⊠/No □	
	If yes, please list the most important measures: [Existing policy an legal framework, Sources/ Groundwater recharge area protection (gazettement)]	
2. Do	pes your country require transboundary environmental impassment (EIA)?	act
	Yes ⊠/No □	
	Does your country have procedures for transboundary EIA?	
	Yes □/No ⊠	
	If yes, please make reference to the legislative basis (please insthe name and section of the relevant laws): [fill in]	ert
3.	Does your country have transboundary agreements or arrangement for the protection and/or management of transboundary waters (i. surface waters or aquifers), whether bilateral, multilateral and/or at the basin level?	e.,
	Yes ⊠/No □	
	If yes, list the bilateral, multilateral and basin agreements (listing for each of the countries concerned): [List Attached as Annex I]	•

Section IV. Final questions

- 1. What are the main challenges your country faces in cooperating on transboundary waters? (*Please describe*): [fill in]
 - · Difference of policies and laws among transboundary countries
 - · Data harmonisation and accessibility
 - · Obligation to co-operate
 - Lack of expertise on complex water resources management issues including the shared waters.
 - · Financial Obligations
- 2. What have been the main achievements in cooperating on transboundary waters? What were the keys to achieving that success? (*Please describe concrete examples*):
 - National water Policy of our country has included the issues of Transbundary water management
 - Availability of Water resources management Act no. 11 of 2009 which provide and guide on how to manage transboundary water resources
 - Maintanance of peace and harmon between and other Countries/Riparian
 - · Avoidance of water use conflict among Member States
 - The establishement of Transboundary section which deals with transboundary water issues
 - Availability of Agreements, Protocols and MoU with all the transboundary Water catchements e.g have mentioned in each transboundary basin above in section II
 - Implementation of joint projects
- 3. Please include any additional information on the process of preparing the report (e.g., whether there was an exchange or consultation within the joint body or with riparian countries), in particular which institutions have been consulted (Process of preparing/ filling this questioner was participatory. Number of stakeholders from different institutions met and prepared this report. The questionair have been filled by the Ministry of Water and Irrigation in consultation with other key sectors)
- 4. If you have any other comments please add them here (*insert comments*): [fill in]
- 5. Name and contact details of the person(s) who filled out the questionnaire (*please insert*): [fill in]

Date: [19/03/2018] Signature: [A LIST OF PERSONS ATTACHED]

Thank yo	ou very	much for	taking	the	time to	complete	this	report.

- 1. SADC Revised Protocol on Shared Watercourses
- 2. Agreement on The Nile River Basin Cooperative Framework
- 3. Agreement Between The United Republic of Tanzania and Malawi on Songwe River Development Programme, 18th May, 2017
- 4. Agreement Between The United Republic of Tanzania and The Republic of Mozambique on The Establishment of a Joint Water Commission
- Agreement Between The United Republic of Malawi, The Republic of Mozambique, The United Republic of Tanzania and The Republic of Zambia on the Mtwara Development Corridor
- 6. Agreement on The Establishment of The Zambezi Watercourse Commission, 13th July, 2004
- 7. Agreement Between The United Republic of Tanzania and The Republic of Kenya on the Delimitation of Maritime Boundary of the Exclusive Economic Zone and the Continental Shelf, 23rd June, 2009
- 8. Memorandum of Understanding Between The United Republic of Tanzania and Malawi on Implementation of The Songwe River Basin Development Programme (SRBDP) Detailed Design and Investment Preparation Project, 8th March, 2011
- Memorandum of Understanding Between Ministry of Water and Irrigation and Tanzania Water Partnership on Collaboration in water Resources Management in Tanzania Mainland, August, 2016
- 10. Memorandum of Understanding Between The government of the United Republic of Tanzania and The Government of the Democratic Republic of Congo
- 11. Memorandum of Understanding Between The Ministry of Water and Irrigation of the United Republic of Tanzania and The Ministry of Water Resources, River Development and Ganga Rejuvenation of the Republic of India on Bilateral Cooperation in water Resources management and Development, 10th July, 2016
- 12. Memorandum of Understanding Between The Government of the United Republic of Tanzania and the Government of Republic of Malawi on the Heavy Capacity Ferry Linking Nkhata bay and Mbamba Bay, 8th October, 2003
- 13. Memorandum of Understanding Between The Republic of Kenya and The Republic of Tanzania on Extension of Water Supply from Isebania (Republic of Kenya) to Sirari (The United Republic of Tanzania), 19th October, 2013
- 14. Memorandum of Understanding Between The Government of the United Republic of Tanzania and The Republic of Kenya for Joint water Resources Management of the Transboundary Mara River Basin
- 15. Memorandum of Understanding Between Ministry of Water and International Finance Cooperation for 2030 Water Resources Group partnership in Tanzania
- 16. Memorandum of Understanding Between The Republic of Burundi, The Republic of Rwanda, The Republic of Tanzania and The Republic of Uganda and The Nile Basin Initiative (NBI)/ Nile Equatorial Lakes Subsidiary Action Program (NELSAP) for The Integrated Management and Development of the Transboundary Water Resources of the Kagera River, 4th June, 2015

STAKEHOLDER WORKSHOP ON FILLING SDG 6.5.2 QUESTIONNAIRE FOR TANZANIA

Ministry of Water and Irrigation

1. Introduction

Stakeholder's workshop on assessing the implementation pathway for and SDG 6.5.2 (Transboundary water Resources Management) in Tanzania was held on 1st November, 2017 at the Ministry of Water and Irrigation, Dar es Salaam Sub-Office. The objective of the workshop was togather information on the progress on transboundary cooperation under Sustainable Development Goal (SDG) 6, target 6.5 in accordance with global indicator 6.5.2. The report on the SDG 6.5.2 will also contribute to the UN-Water SDG 6 Integrated Monitoring initiative GEMI.

Different stakeholders attended the workshop from Government Institutions (mainly drawn from the Department of Water Resource Management of the Ministry of Water and Irrigation), Development Partners, Local and International NGOs, and private sector (the list of participants is attached as annex 1). The workshop was organized and facilitated by Ministry of Water and Irrigation collaboration with Tanzania Water Partnership.

Figure 1: Participants participating in the SDG 6.5.2 workshop



1.1 Registration

Participants started arriving at the workshop venue around 08.30 AM. A total of 37 participants participated in the workshop which started at 9:30am. The list of participants is attached in Annex 1.

1.2 Opening Remarks

The facilitator, Dr. Victor Kongo –the Executive Director of Tanzania Water Partnership started by giving opening remarks and thereafter requested participants to introduce themselves. Participants introduced themselves by mentioning their names, and positions they occupy in their respective institutions. The Assistant Director of Water Resources in the Ministry of Water and Irrigation (Transboundary) –Mr. Silvester Matemu gave opening remarks on behalf of the Director of Water Resources. Mr. Matemu emphasised the importance of the exercise to the country and requested all participants to actively participate in the workshop.

1.3 Presentation on SDG 6.5.2 Questionnaire

Ms. Tumaini mwamyalla made a presentation on the SDG 6.5.2 Questionnaire. The purpose of the presentation was to prime the participants on SDGs implementation and monitoring in the country. The presentation was also to take through the participants on the explanatory note prepared by UNECE in order to give a short brief on the background of SDG. The Explanatory note also showed procedural step-by-step on how to complete the SDG 6.5.2 report.

1.4 Group Discussion session

After the presentation, the facilitator grouped the participants into four groups to discuss and fill out the questionnaire. The groups were divided according to Major Transbondary Basins, each group were signed to complete one set of SDG 6.5.2 report with the following sections/parts

:

- Section I Calculation of SDG indicator 6.5.2
- Section II Information on each transboundary basin or group of basins
- Section III General information on transboundary water management at the national level
- Section IV Final questions

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1. 5 Group presentation and Finalization of the report

Each group presented the filled out questionnaire report and the four reports where consolidated in one SDG 6.5.2 Report.

The issues of data were identified as a key agenda to be taken as next steps for the continued monitoring of SDG 6.5.2 in Tanzania. Proper mechanisms for data collection and management should be put in place for monitoring SDGs implementation. One of the concerns that was raised by stakeholders is the apparent hosting of the respective SDG 6 targets by various institutions. The challenge has been the inability to coordinate on the reporting where each institution is or has been developing their own monitoring tools. There is a need to have a more coordinated approach in monitoring and reporting of all SDG6 targets and indicators.

Annex 1: List of participants

S/N	NAME	INSTITUTION	CONTACTS

1	Sylvester A. Matemu	Ministry of Water and Irrigation	Matemu.sylvester@maji.go.tz 0754564424
2	Mussa Abbasi	Ministry of Energy	Mussa.abbasi@mem.go.tz 0713653365
3	Sam Simba	Tanzania Water and Sanitation Network (TAWASANET)	<u>Samsimba77@gmail.com</u> 0763235787
4	Dr. Subira Munishi	Water Resources Engineering – University of Dar es Salaam	evasubira@gmail.com 0783627427
5	William G. Ghumpi	Ministry of Finance and Planning	wghumpi@yahoo.com 0784622962
6	Dr. Victor Kongo	Tanzania Water Partnership	vickongo@gmail.com 0783376717
7	Susan Wagner	Tanzania Water Partnership	susanwagnertz@gmail.com 0784218464
8	Prof Henry Mahoo	Sokoine University of Agriculture	mahoohenry@yahoo.com 0784300045
9	Anna Kimei	Ministry of Water and Irrigation	Anna.kimei@maji.go.tz 0754054343
10	Enna Msangi	Ministry of Water and Irrigation	<u>akael@yahoo.com</u> 0754521101
11	Issa Osena	Ministry of Water and Irrigation	Issa.osena@maji.go.tz 0713247517
12	Asha Mzimbili	Ministry of Water and Irrigation	Asha.mzimbili@maji.go.tz
13	Calistus Mponzi	Ministry of Water and Irrigation	0754349248
14	Leoard Songea	Ministry of Water and Irrigation	0712867485

15	David Manyama	Ministry of Water and Irrigation	0782415254
16	Stella Juma	Ministry of Water and Irrigation	0658206465
17	Donata Kemirembe	Vice President Office	0715362229
18	Christian Henschel	GIZ	0712843424
19	Dianna Kimbute	Ministry of Water and Irrigation	0786752925
20	Rebecca Budimu	ESHO/Ministry of Water and Irrigation	0754820192
21	Fatuma Mambo	Ministry of Water and Irrigation	Fatuma.mambomlimbila@maji.go.tz
22	Paskalia Bazil	Ministry of Water and Irrigation	Paskalia2007@gmail.com 0752658680
23	Bertha Tarimo	Ministry of Water and Irrigation	Bertha4219@gmail.com 0718219597
24	Rahmata Kiwanga	Ministry of Water and Irrigation	0714215448
25	Dr. Addy Kateka	Institute of Resource Assessment – University of Dar es Salaam	a.kateka@yahoo.co.uk 0764438086
26	Mwajabu Bura	Ministry of Water and Irrigation	Mwajabu.bura@maji.go.tz 0713238462
27	Eng. Kissina Simlizy	Ministry of Water and Irrigation	Simlizy.kisina@maji.go.tz 0716240888
28	Modestus Zacharia	Ministry of Water and Irrigation	Modestus.herman@maji.go.tz
29	Emmanuel P. Ngereja	National Bureau of Statistics (NBS)	empngereja@gmail.com 0621153822
30	Amosi Nyandwi	Prime Minister's Office - LYEPD	Amos.nyandui@kazi.go.tz

31	Jane Marwa	National Commission of Irrigation	janemarwa@yahoo.com 0713465812
32	Philbert Luhunga	Tanzania Meteorological Agency	Philuhunga@gmail.com 0766597086
33	Joseph Banzi	Water Aid	posephbanzi@wateraid.org 0753605082
34	Mwanamkuu Mwanyika	Ministry of Water and Irrigation	Mwanamkuu2007@gmail.com 0784813841
35	Janeth Kisoma	Ministry of Water and Irrigation	Janeth.kisoma@maji.go.tz 0755229194
36	Estella Mgala	Ministry of Water and Irrigation	0768222224
37	Pamella Temu	Ministry of Water and Irrigation	0784913014
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