Country Questionnaire for Indicator 6.5.1

Degree of integrated water resources management implementation (0 - 100)

Introduction

UN Environment is supporting countries in monitoring and reporting on Sustainable Development Goal (SDG) 6, including target 6.5: "By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate" ¹. The target supports the equitable and efficient use of water resources, which is essential for social and economic development, as well as environmental sustainability.

Indicator 6.5.1 is: Degree of integrated water resources management implementation (0 – 100). Please refer to the "Step-by-step Monitoring Methodology for Indicator 6.5.1" for a full description of indicator 6.5.1, which provides additional guidance on completing the questionnaire, data collection, management and use.

The indicator score calculated using the responses to this questionnaire represents the current degree of IWRM implementation, on a scale from 0 to 100. The process of completing the questionnaire, including national multi-stakeholder workshops, supports countries in identifying barriers or delays to further progress, thereby providing a starting point for considering possible correcting actions towards achieving the IWRM target. The actions to achieve target 6.5 directly underpin the various other water-related targets within SDG-6.

The IWRM Focal Point is responsible for submitting the final completed questionnaire to UN Environment for formal submission. This can be done by using one of the following options (content is identical):

Option 1: Complete and submit the online version of the questionnaire in SurveyMonkey from the link available here:

https://www.surveymonkey.com/r/LGLWVNH

Option 2: Complete and submit the Microsoft Word version of the questionnaire to the HelpDesk either electronically or via post or fax:

HelpDesk at UN Environment

Email: Iwrm.Sdg6survey@unep.org

Upon request, the helpdesk may provide support to the national IWRM focal points on matters such as interpretation of questions and thresholds, the appropriate level of stakeholder engagement in countries, and support to uploading/submitting the final indicator scores.

¹ This is being done as part of the GEMI initiative, coordinated by UN-Water, for monitoring and reporting of SDG targets 6.3 - 6.6, 6a and 6b. Support is provided in close collaboration with a number of UN-Water members and partners.

About the Questionnaire

The questionnaire contains four sections, each covering a key component of IWRM:

- **1. Enabling Environment:** Creating the conditions that help to support the implementation of IWRM, which includes the most typical policy, legal and strategic planning tools for IWRM.
- **2. Institutions and Participation:** The range and roles of political, social, economic and administrative institutions and other stakeholder groups that help to support the implementation of IWRM.
- 3. Management Instruments: The tools and activities that enable decision-makers and users to make rational and informed choices between alternative actions.
- 4. Financing: Budgeting and financing made available and used for water resources development and management from various sources.

Each section has two sub-sections covering the "National" and "Other" levels. Various levels are covered to address the target 6.5 wording "... at all levels." "Other" levels include sub-national, basin, local and transboundary (see glossary). Questions relate to these levels depending on their relevance to the particular aspect of IWRM.

For each question, a score between 0 and 100 should be selected, in increments of 10, unless the country judges the question to be 'not applicable (n/a)'. The score selection is guided by descriptive text for six thresholds, which are specific to each question. If a country judges the degree of implementation to be between two thresholds, the increment of 10 between the two thresholds may be selected. The potential scores that may be given for each question are: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100.

The thresholds for each question are defined sequentially. This means that the criteria for all lower levels of implementation must be met in order for a country to respond that it has reached a specific level of implementation for each question. Furthermore, if an aspect of IWRM is specified in a lower threshold, it is implicit that this aspect must also be addressed in the higher thresholds for that question.

The thresholds are indicative and are meant to guide countries in choosing the most appropriate responses, i.e. selected responses should be a reasonable match, but do not have to be a perfect match, as each country is unique.

Respondents are strongly encouraged to add their justification for the score given in the space provided after each question, referencing evidence wherever possible (e.g. quoting reports, laws, plans etc.). This will significantly increase the robustness and objectivity of the questionnaire. It will help different stakeholder groups within the country to reach agreement on responses to each question; help countries analyse what is required to reach the next threshold; help countries to track progress over time; and allow for standardisation of degrees of implementation between countries. Countries are also welcome to provide additional relevant information or links to further documentation in the spaces provided after each question. Note that if 'Very high' or 'n/a' (not applicable) is selected as a response to any of the questions, the respondents are required to provide a brief justification for this.

Indicator 6.5.1 is calculated as follows:

- 1. Calculate the average score of each of the four sections by averaging all questions scores in each section.
- 2. Calculate the average of the four section scores to give the overall score for indicator 6.5.1.

If 'not applicable' is selected for any question, this will not be included in the indicator calculations, and therefore will not reduce the average score. All questions should be given a score, unless 'n/a' is selected. It is not possible to omit questions.

Glossary

- Authorities / organizations /institutions / departments: administrative units.
- Basins: Includes rivers, lakes and aquifers, unless otherwise stipulated. For surface water, the term is interchangeable with 'catchments' and 'watersheds'.
- Federal countries: Refers to countries made up of federated states, provinces, territories or similar terms.
- **IWRM:** Integrated Water Resources Management (IWRM) is a process that promotes the coordinated development and management of water, land and related resources in order to maximise the resultant economic and social welfare in an equitable manner without compromising the sustainability of vital ecosystems. IWRM is not an end in itself but a means of achieving three key strategic objectives:
 - o efficiency to use water resources in the best way possible;
 - o equity in the allocation of water across social and economic groups;
 - o environmental sustainability, to protect the water resource base, as well as associated ecosystems.
- 'Most significant' interstate basins: For federal countries only. Basins that cross state/provincial borders and are of reasonably high significance to those states and/or the country.
- National (level): Refers to the highest level of administration in a country.
- **Sub-national / state (level):** refers to levels of administration other than national. For federated countries, these are likely to be provinces or states. Non-federated countries may still have sub-national jurisdictions with some responsibility for water resources management, e.g. regions, counties, departments.
- **Programs:** Nation-wide plans of action with long-term objectives, for example to strengthen monitoring, knowledge sharing and capacity development, with details on what work is to be done, by whom, when, and what means or resources will be used.
- **Stakeholders:** In this questionnaire, stakeholders are the main groups important for water resources management, development and use. Examples of stakeholders in each group are given in footnotes as they appear in the survey.
- Water Resources Management is the activity of planning, developing, distributing and managing the optimum use of water resources. Ideally, water resource management planning has regard to all the competing demands for water and seeks to allocate water on an equitable basis to satisfy all uses and demands. An integrated approach (see IWRM) is needed to ensure water resources management is not isolated within sector silos resulting to inefficiencies, conflicts and unsustainable resource use. Generally in this questionnaire, WRM activities (e.g. policies, laws, capacity development), must be based on IWRM approaches to score 40 and above.

Transboundary questions:

The transboundary questions for indicator 6.5.1 focus on the degree of implementation of IWRM at the transboundary level, as relevant to implementation of IWRM 'at all levels', as specified in target 6.5. Countries sharing basins of transboundary waters (rivers, lakes or aquifers) should answer the questions on transboundary issues. This information is complemented by indicator 6.5.2 'Proportion of transboundary basin area with an operational arrangement for water cooperation'.

To enable tracking of progress over time and for transparency, in the table below please list the transboundary (or 'international') basins or aquifers that are included in this survey. Only the most important transboundary basins or aquifers that are regarded as significant, in terms of economic, social or environmental value to the country (or neighbouring countries), need to be included in this survey. It is up to countries to decide which ones these are. When answering transboundary questions, the majority of the basins below must meet the criteria described in each threshold to achieve the score for that threshold.

	Important basin / aquifer
1.	[Name]
2.	
3.	
4.	
	Please add rows as needed

1. Enabling Environment

This section covers the enabling environment, which is about creating the conditions that help to support the implementation of IWRM. It includes the most typical policy, legal and planning tools for IWRM². Please refer to the glossary for any terms that may require further explanation. Please take note of all footnotes as they contain important information and clarification of terms used in the questions and thresholds.

Enter your score, **in increments of 10**, from 0-100, or n/a (not applicable), in the yellow cell immediately below each question. You are strongly encouraged to provide the justification and references to evidence for the score in the grey cell to the right of the score. This will help achieve agreement among different stakeholders in the country, as well as help monitor progress over time. Suggestions for the type of information required are provided. You may also provide further information you think is relevant, or links to further documentation. If 'Very high (100)' or 'n/a' is selected, a justification should be provided.

1.	Enabling E	invironment							
					Degree of implem	entation (0 – 100)			
			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)	
1.1 What is the status of policies, laws and plans t				support Integrated Wate	r Resources Management	t (IWRM) at the national	level?		
а		water s policy, or	Development not started or not progressing.	Exists, but not based on IWRM.	Based on IWRM, approved by government and starting to be used by authorities to guide work.	Being used by the majority of relevant authorities to guide work.	Policy objectives consistently achieved.	Objectives consistently achieved, and periodically reviewed and revised.	
	Score or n/a:	[Enter score]	Justification/evidence	[Enter text here. E.g. reference to policy, when the policy was created/revised, examples of how the policy is being used to guide work, which policy objectives are monitored/achieved]					
b	National resource		Development not started or not progressing.	Exists, but not based on IWRM.	Based on IWRM, approved by government and starting to be applied by authorities.	Being applied by the majority of relevant authorities.	All laws are being applied across the country.	All laws are enforced across the country, and all people and organizations are held accountable.	
	Score or n/a:	[Enter score]	Justification/evidence	[Enter text here. E.g. reference to law(s), when it was created, mechanisms in place to apply/enforce the law, or examples of the law being applied]					

² For examples of good practices of policies, laws and plans, please see: GWP (Editor) (2004): Catalyzing Change: A handbook for developing IWRM and water efficiency strategies. Stockholm: Global Water Partnership (GWP).

			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)	
C	m (I	ational integrated vater resources nanagement WRM) plans, or milar	Development not started or not progressing.	Being prepared, but not approved by government.	Approved by government and starting to be implemented by authorities.	Being implemented by the majority of relevant authorities.	Plan objectives consistently achieved.	Objectives consistently achieved, and periodically reviewed and revised.	
	Score or [Enter score]		Justification/evidence	[Enter text here. E.g. reference to plans, progress reports]					
1.2 What is the status of policies, laws and pla		policies, laws and plans to s	support IWRM at other levels?						
â	si	ub-national ³ water esources policies or milar	Development not started or delayed in most sub-national jurisdictions.	Exist in most jurisdictions, but not necessarily based on IWRM.	Based on IWRM, approved by the majority of authorities and starting to be used to guide work.	Being used by the majority of relevant authorities to guide work.	Policy objectives consistently achieved by a majority of authorities.	Objectives consistently achieved by all authorities, and periodically reviewed and revised.	
	Scc n/a	ore or [Enter score]	Justification/evidence	[Enter text here. E.g. refer	rence to policies, reports, evi	dence of implementation of	policies]		
k	b Basin/aquifer management plans ⁴ or similar, based on IWRM		Development not started or delayed in most basins/aquifers of national importance.	Being prepared for most basins/aquifers of national importance.	Approved in the majority of basins/aquifers and starting to be used by authorities.	Being implemented in the majority of basins/aquifers.	Plan objectives consistently achieved in majority of basins/aquifers.	Objectives consistently achieved in all basins/aquifers, and periodically reviewed and revised.	
	Scc n/a	ore or [Enter score]	Justification/evidence	[Enter text here. E.g. refer	rence to most significant basi	ins/aquifers, their plans, pro	ogress reports, evidence of im	plementation of plans]	

³ Sub-national includes jurisdictions not at national level, such as: states, provinces, counties, regions, or departments.

⁴ At the basin/aquifer level, please include only the most important river basins, lake basins and aquifers for water supply or other reasons. This question only refers to these basins/aquifers. These basins/aquifers are likely to cross administrative borders, including state/provincial borders for federal countries. The basins may also cross national borders, but this question refers to management of the portions of basins within each country. Question 1.2c refers specifically to transboundary arrangements for basins/aquifers shared by countries.

			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)
C	transbo water i	ements for oundary management t important / aquifers ⁵	Development not started or not progressing.	Being prepared or negotiated.	Arrangements are adopted.	Arrangements' provisions are partly implemented.	Most of the arrangements' provisions are implemented.	The arrangements' provisions are fully implemented.
	Score or [Enter score]		Justification/evidence	[Enter text here. E.g. refer	rence to arrangements, repor	rts, evidence of implementa	tion.]	
d	d FEDERAL COUNTRIES ONLY: Provincial/state water resources laws.		Development not started or delayed in most states.	Exist in most jurisdictions, but not necessarily based on IWRM.	Based on IWRM, approved in most states and starting to be applied by authorities in the minority of states.	Some laws being applied in the majority of states.	All laws being applied in the majority of states.	All laws being applied in all states, and all people and organizations are held accountable.
	Score or n/a: [Enter score] Justification/evidence			[Enter text here. E.g. reference to laws, mechanisms for enforcement, examples of enforcement]				
1	Average 'E	nabling Enviro	nment' score	[Enter score here]	In case of 'n/a' for any qu	uestions, they should be	omitted from the average ca	alculation.

⁵ An arrangement can be a bilateral or multilateral treaty, convention, agreement or other arrangement (e.g. memorandum of understanding) between riparian countries on the management of a transboundary basin/aquifer. Refers to international basins/aquifers only. Arrangements may be interstate, intergovernmental, inter-ministerial, interagency or between regional authorities.

2. Institutions and Participation

This section is about the range and roles of political, social, economic and administrative institutions that help to support the implementation of IWRM. It includes some of the most typical institutions at different levels of society for IWRM. It includes institutional capacity and effectiveness, cross-sector coordination, stakeholder participation and gender equality. The 2030 Agenda stresses the importance of partnerships that will require public participation and creating synergies with the business sector. Note that public participation is also addressed in the 'means of implementation' Target 6.b: "Support and strengthen the participation of local communities in improving water and sanitation management", which is monitored by indicator 6.b.1: "Proportion of local administrative units with established and operational policies and procedures for participation of local communities in water and sanitation management".

Terminology used in the questions:

- **Government authorities:** could be a ministry or ministries, or other organizations/institutions/agencies/bodies with a mandate and funding from government.
- Capacity for leading implementation: in this context is that the responsible authorities should be adapted to the complexity of water challenges to be met and have the required knowledge, technical facilities and skills, including planning, rule-making, project management, finance, budgeting, data collection and monitoring, risk management and evaluation. It should include the ability to manage potential conflicts of interest between different sectors and/or stakeholder groups, particularly at the basin/aquifer level.
- Sectors relates to coordination between the government authorities responsible for water management and those responsible for other sectors (such as agriculture, energy, climate, environment etc.) that are dependent on water, or impact on water. Coordination between groundwater and surface water development/management should also be optimised. The relevant sectors should be considered according to their importance for the country.
- Stakeholder includes all interested parties who are, or may be, affected by any water resources issue or intervention. It includes organizations, institutions, academia, civil society and individuals. While definitions of stakeholders typically include the private (or business) sector, this particular stakeholder group is deal with separately in this questionnaire (see below).
- Business includes private for-profit groups. It does not include government or civil society.

Please refer to the glossary for any terms that may require further explanation. Please take note of all footnotes as they contain important information and clarification of terms used in the questions and thresholds.

Enter your score, **in increments of 10**, from 0-100, or n/a (not applicable), in the yellow cell immediately below each question. You are strongly encouraged to provide the justification and references to evidence for the score in the grey cell to the right of the score. This will help achieve agreement among different stakeholders in the country, as well as help monitor progress over time. Suggestions for the type of information required are provided. You may also provide further information you think is relevant, or links to further documentation. If 'Very high (100)' or 'n/a' is selected, a justification should be provided.

			Degree of impler	mentation (0 – 100)		
	Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)
1 What is the status of	institutions for IWRM imple	mentation at the national	level?			
National government authorities' capacifor leading implementation of national IWRM plan or similar	y ⁷ government authorities for water resources	Authorities exist, with clear mandate to lead water resources management.	Authorities have clear mandate to lead IWRM implementation, and the capacity to effectively lead IWRM plan formulation.	Authorities have the capacity to effectively lead IWRM plan implementation.	Authorities have the capacity to effectively lead periodic monitoring and evaluation of the IWRM plan.	Authorities have the capacity to effectively lead periodic IWRM plan revision.
Score or [Enter score]	Justification/evidence	[Enter text here. E.g. refere	ence to authorities and mand	lates, levels of capacity, report	s]	
Coordination between national government authorities representing different sectors ⁸ of water resources, policy, planning and	No communication between different government sectors on policy, planning and management.	Communication: Information on water resources, policy, planning and management is made available between different sectors.	Consultation: Information, experiences and opinions are shared between different sectors.	Participation: Opportunities for different sectors to take part in policy, planning and management processes.	Representation: Formal consultation between different government sectors with the objective of agreeing on collective decisions on important issues	Co-decisions and co- production: Shared power between different sectors on joint policy, planning and management activities.

⁶ 'Government authorities' could be a ministry or ministries, or other organizations/institutions/agencies/bodies with a mandate and funding from government.

⁷ 'Capacity for leading implementation' in this context is that the responsible authorities should be adapted to the complexity of water challenges to be met and have the required knowledge and technical skills, including planning, rule-making, project management, finance, budgeting, data collection and monitoring, risk management and evaluation. Beyond having the capacity to lead implementation of the activities listed in the thresholds, authorities must also actually be leading the implementation of these activities.

⁸ Relates to coordination between the government authorities responsible for water management and those responsible for other sectors (such as agriculture, energy, climate, environment etc.) that are dependent on water, or impact on water. Coordination between groundwater and surface water development/management should also be optimised. The relevant sectors should be considered according to their importance for the country.

		Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)	
С	Public participation in	No communication	Communication:	Consultation:	Consultation:	Participation:	Representation: Formal	
	water resources,	between government	Information on water	Government	Government authorities	Regular	representation of	
	policy, planning and	and stakeholders on	resources, policy,	authorities	regularly request	opportunities for	stakeholders in	
	management ⁹ at	policy, planning and	planning and	occasionally request	information,	stakeholders to take	government processes	
	national level.	management.	management is made	information,	experiences and	part in relevant	contributing to decision	
			available to	experiences and	opinions of	policy, planning and	making on important	
			stakeholders.	opinions of	stakeholders.	management	issues and activities, as	
				stakeholders.		processes.	appropriate.	
	Score or [Enter score] n/a:	Justification/evidence	[Enter text here. E.g. mechanisms for public participation, types of stakeholder groups that participate or any significant ones that do not, evidence of degree of participation.]					
d	Business ¹⁰	No communication	Limited	Regular consultation	Limited opportunities	Regular	Effective private sector	
	participation in water	between government	communication	between government	for private sector	opportunities for	involvement	
	resources	and business about	between government	and business about	involvement established	private sector	established for water	
	development,	water resources	and business about	water resources	for water resources	involvement established for water	resources development,	
	management and use at national level.	development, management and use.	water resources development,	development, management and use.	development, management and use	resources	management and use activities.	
	at national level.	management and use.	management and use.	management and use.	activities.	development,	activities.	
						management and		
						use activities.		
	Score or [Enter score] n/a:	Justification/evidence	[Enter text here. E.g. mechandegree of participation]	anisms for public participatio	on, types of businesses that par	ticipate or any significant o	ones that do not, evidence of	
е	Gender-specific	Gender not explicitly	Gender partially	Gender addressed in	Gender addressed in	Activities adequately	Objectives fully	
	objectives for water	addressed throughout	addressed throughout	national plans but	national plans, partially	funded and	achieved and	
	resources	national laws, policy	national laws, policies	with limited budget	funded and objectives	objectives mostly	adequately address	
	management at	or plans.	or plans.	and implementation .	partly achieved.	achieved.	gender issues.	
	national level. ¹¹	Localitic and and facilities	(Fotostosthan F. C.	and the second and the second				
	Score or [Enter score]	Justification/evidence	Lenter text here. E.g. refere	nce to gender objectives in I	aws/policies/plans, programs t	o address gender objective	es, reports]	

⁹ Stakeholder includes all interested parties who are, or may be, affected by any water resources issue or intervention. It includes organizations, institutions, academia, civil society and individuals.

¹⁰ Business includes private for-profit groups. It does not include government or civil society.

¹¹ Gender-specific objectives at national level can include: 1) Presence of designated ministerial responsibility for gender in relation to water policies. Presence of designated ministerial responsibility for water in the gender-equality ministry or related designated agency for gender; 2) Gender Parity of male and female participants in meetings of national decision-making authorities (counting the number of women and men participating in meetings); and 3) The presence of gender-specific objectives and commitments (or gender strategies) in national strategies, national plans and national laws regarding national water policy.

Source: adapted from WWAP 2015 "Questionnaire for collecting sex-disaggregated water data" http://unesdoc.unesco.org/images/0023/002345/234514E.pdf

		Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)	
f	Developing IWRM capacity ¹² at the national level	No capacity development specific to water resources management.	Occasional capacity development, generally limited to short-term / ad-hoc activities.	Some long-term capacity development initiatives are being implemented, but geographic and stakeholder coverage is limited.	Long-term capacity development initiatives are being implemented, and geographic and stakeholder coverage is adequate.	Long-term capacity development initiatives are being implemented, with effective outcomes, and geographic and stakeholder coverage is very good.	Long-term capacity development initiatives are being implemented with highly effective outcomes, and geographic and stakeholder coverage is excellent.	
	Score or [Enter score] Justification/evidence n/a:		[Enter text here. E.g. refere	ence to capacity developmen	t programs, geographic and sta	akeholder coverage]		
2.2	What is the status of inst	itutions for IWRM imple	mentation at other levels	?				
а	Basin/aquifer level ¹³ organizations ¹⁴ for leading implementation of IWRM plans or similar.	No dedicated basin authorities for water resources management.	Authorities exist, with clear mandate to lead water resources management.	Authorities have clear mandate to lead IWRM implementation, and the capacity to effectively lead IWRM plan formulation.	Authorities have the capacity to effectively lead IWRM plan implementation.	Authorities have the capacity to effectively lead periodic monitoring and evaluation of the IWRM plan.	Authorities have the capacity to effectively lead periodic IWRM plan revision.	
	Score or [Enter score]	Justification/evidence	[Enter text here. E.g. reference to authorities and evidence of capacity for leading implementation of IWRM]					

¹² IWRM capacity development: refers to the enhancement of skills, instruments, resources and incentives for people and institutions at all levels, to improve IWRM implementation. Capacity needs assessments are essential for effective and cost-effective capacity development. Capacity development programs should consider gender balance and disadvantaged/minority groups in terms of participation and awareness. Capacity development is relevant for many groups, including: local and central government, water professionals in all areas - both public and private water organisations, civil society, and in regulatory organisations. In this instance, capacity development may also include primary, secondary and tertiary education, and academic research concerning IWRM.

¹³ At the basin/aquifer level, please include only the most important river basins, lake basins and aquifers for water supply or for other reasons. This question only refers to these basins/aquifers. These basins/aquifers likely cross-administrative borders, including state/provincial borders for federal countries. The basins may also cross national borders, but this question refers to management of the portions of basins within each country. Question 2.2e refers specifically to transboundary management of basins/aquifers shared by countries.

¹⁴ Could be organization, committee, inter-ministerial mechanism or other means of collaboration for managing water resources at the basin level.

		Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)		
b	Public participation ¹⁵	No communication	Communication:	Consultation:	Consultation:	Participation:	Representation: Formal		
	in water resources,	between local	Local level	Government	Government	Regular opportunities	representation of		
	policy, planning and	government and	information on water	authorities	authorities regularly	for stakeholders to	stakeholders on local		
	management at the	stakeholders on	resources, policy,	occasionally request	request local level	take part in relevant	authority processes		
	local level ¹⁶	policy, planning and	planning and	local level	information,	local level policy,	contributing to decision-		
		management.	management is made	information,	experiences and	planning and	making on important		
			available to	experiences and	opinions of	management	local issues and		
			stakeholders.	opinions of	stakeholders.	processes.	activities, as		
				stakeholders.			appropriate.		
	Score or n/a: [Enter score]	Justification/evidence	[Enter text here. E.g. mechanisms for public participation, types of stakeholder groups that participate or any significant ones that do not,						
			evidence of degree of parti	cipation, geographic differe	nces across country.]				
С	Gender-specific	Gender not explicitly	Gender partially	Gender addressed in	Gender addressed in	Activities adequately	Objectives fully		
	objectives at sub-	addressed throughout	addressed in sub-	sub-national plans	sub-national plans,	funded and	achieved and		
	national levels ¹⁷	sub-national laws,	national laws, policies	but with limited	partially funded and	objectives mostly	adequately address		
		policy or plans.	or plans.	budget and	objectives partly	achieved.	sub-national gender		
				implementation.	achieved.		issues.		
	Score or n/a: [Enter score]	Justification/evidence	[Enter text here. E.g. refere	nce to gender objectives in	laws/policies/plans, programs	to address gender objective	es, reports]		
d	Gender-specific	Gender not explicitly	Gender partially	Gender addressed in	Gender addressed in	Activities adequately	Objectives fully		
	objectives and plans	addressed in	addressed in	transboundary plans	transboundary plans,	funded and	achieved and		
	at transboundary	transboundary	transboundary policies	but with limited	partially funded and	objectives mostly	adequately address		
	level ¹⁸	policies or plans.	or plans.	budget and	objectives partly	achieved.	transboundary gender		
				implementation.	achieved.		issues.		
	Score or n/a: [Enter score]	Justification/evidence	[Enter text here. E.g. refere	nce to gender objectives in	policies/plans, programs to ac	ldress gender objectives, rep	oorts]		

¹⁵ Stakeholder includes all interested parties who are, or may be, affected by any water resources issue or intervention. It includes organizations, institutions, academia, civil society and individuals.

¹⁶ Examples of 'local level' include municipal level (e.g. cities, towns and villages), community level, basin/tributary/aquifer/delta level, and water user associations.

¹⁷ Gender-specific objectives at sub-national level can include: 1) Proportion of seats held by male and female in local water authorities' executive boards; 2) Gender Parity of M/F participation in meetings of sub-national decision-making authorities (counting the number of women and men participating in meetings); 3) The presence of gender strategy in local plans and local implementation policies. Source: adapted from WWAP 2015 "Questionnaire for collecting sex-disaggregated water data" http://unesdoc.unesco.org/images/0023/002345/234514E.pdf

¹⁸ Gender-specific objectives at the transboundary level: 1) Presence of a specific gender strategy in transboundary agreements, in other transboundary arrangements, in their implementation plans and in all transboundary water impact assessments; 2) Gender Parity of male and female participants in meetings of transboundary decision-making authorities (counting the number of women and men participating in meetings. Source: adapted from WWAP 2015 "Questionnaire for collecting sex-disaggregated water data" http://unesdoc.unesco.org/images/0023/002345/234514E.pdf

		Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)
e	Organizational framework for transboundary water management for most important basins / aquifers ¹⁹	No organizational framework(s).	Organizational framework(s) being developed.	Organizational framework(s) established.	Organizational framework(s)' mandate is partly fulfilled.	Organizational framework(s)' mandate is fulfilled for the most part.	Organizational framework(s)' mandate is fully fulfilled.
f	f FEDERAL COUNTRIES No dedicated Authorities exist, with		[Enter text here. E.g. refere Authorities exist, with clear mandate to lead	ence to organizations, mand Authorities have clear mandate to lead	ates, progress/annual reports.] Authorities have the capacity to effectively	Authorities have the capacity to	Authorities have the capacity to effectively
	State authorities responsible for water resources management authorities for water resources management.		water resources management.	IWRM implementation, and the capacity to effectively lead IWRM plan formulation.	lead IWRM plan implementation.	effectively lead periodic monitoring and evaluation of the IWRM plan.	lead periodic IWRM plan revision .
	Score or n/a: [Enter score]	Justification/evidence			ence of capacity for leading imp		
P	verage 'Institutions and Pa	articipation' score	[Enter score here]	In case of 'n/a' for any	\prime questions, they should be \circ	mitted from the average	e calculation.

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¹⁹ An organizational framework can include the existence of a joint body, joint mechanism or commission for transboundary cooperation. Refers to international basins/aquifers only.

3. Management Instruments

This section includes the tools that enable decision-makers and users to make rational and informed choices between alternative actions. It includes management programs, monitoring water resources and the pressures on them, knowledge sharing and capacity development.

Terminology used in the questions:

- Limited, Adequate, Very good, Excellent: Are terms used describe the status, coverage and effectiveness of the management instruments assessed in this section. Respondents should apply their own judgement based on the 'best-practice' descriptions of management instruments in the glossary, the section introduction, and through footnotes. For example, 'adequate' may imply that the basic minimum criteria for that particular management instrument are met. Respondents are encouraged to provide qualifying information to the question score in the 'Justification' cell immediately below each question.
- Management instruments: Can also be referred to as management tools and techniques, which include regulations, financial incentives, monitoring, plans/programs (e.g. for development, use and protection of water resources), as well as those specified in footnotes on questions and thresholds below.
- Monitoring: collecting, updating, and sharing timely, consistent and comparable water-related data and information, relevant for science and policy. Effective monitoring requires ongoing commitment and financing from government. Resources required include appropriate technical capacity such as laboratories, portable devices, online water use control and data acquisition systems. May include a combination of physical data collection, remote sensing, and modelling for filling data gaps.
- Short-term / Long-term: In the context of management instruments, short-term includes ad-hoc activities and projects, generally not implemented as part of an overarching program with long-term goals. Long-term refers to activities that are undertaken as part of an ongoing program that has more long-term goals/aims and implementation strategy.

Please take note of all footnotes as they contain important information and clarification of terms used in the questions and thresholds.

Enter your score, **in increments of 10**, from 0-100, or n/a (not applicable), in the yellow cell immediately below each question. You are strongly encouraged to provide the justification and references to evidence for the score in the grey cell to the right of the score. This will help achieve agreement among different stakeholders in the country, as well as help monitor progress over time. Suggestions for the type of information required are provided. You may also provide further information you think is relevant, or links to further documentation. If 'Very high (100)' or 'n/a' is selected, a justification should be provided.

3.	. Managei	Management Instruments								
					Degree of imple	ementation (0 – 100)				
			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)		
3.	.1 What is	the status	of management inst	ruments to support IWRM im	plementation at the nation	nal level?				
а	monitoring of water availability ²⁰ (includes surface and/or groundwater, as relevant to the country).		No national monitoring systems in place.	Monitoring systems established for a limited number of short-term / ad-hoc projects or similar.	Long-term national monitoring is carried out but with limited coverage and limited use by stakeholders.	Long-term national monitoring is carried out with adequate coverage but limited use by stakeholders.	Long-term national monitoring is carried out with very good coverage and adequate use by stakeholders.	Long-term national monitoring is carried out with excellent coverage and excellent use by stakeholders.		
		[Enter score]	Justification/eviden ce	[Enter text here. E.g. reference stakeholders.]	to monitoring systems, what is	monitored and where, evidence	of implementation and access	to information for		
b	efficient use manage from the level, (in surface	ement ²¹ e national ncludes and/or water, as t to the	No management instruments being implemented.	Use of management instruments is limited and only through short-term / ad-hoc projects or similar.	Some management instruments implemented on a more long-term basis, but with limited coverage across different water users and the country.	Management instruments are implemented on a long-term basis, with adequate coverage across different water users and the country.	Management instruments are implemented on a long- term basis, with very good coverage across different water users and the country, and are effective.	Management instruments are implemented on a long-term basis, with excellent coverage across different water users and the country, and are highly effective.		
		[Enter score]	Justification/eviden ce	[Enter text here. E.g. reference of implementation across differ	•	iments and for what purposes, e	vidence of implementation, geo	ographic differences, level		

²⁰ See definition of monitoring in Terminology.

²¹ Management instruments include demand management measures (e.g. technical measures, financial incentives, education and awareness raising to reduce water use and/or improve water-use efficiency, conservation, recycling and re-use), monitoring water use (including the ability to disaggregate by sector), mechanisms for allocating water between sectors (including environmental considerations).

			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)		
С	Pollu	ıtion	No management	Use of management	Some management	Management instruments	Management	Management		
	cont	rol²² from	instruments	instruments is limited and	instruments	are implemented on a	instruments are	instruments are		
	the r	national level	being	only through short-term /	implemented on a more	long-term basis, with	implemented on a long-	implemented on a		
			implemented.	ad-hoc projects or similar.	long-term basis, but	adequate coverage across	term basis, with very	long-term basis, with		
					with limited coverage	sectors and the country.	good coverage across	excellent coverage		
					across sectors and the		sectors and the country,	across sectors and the		
					country.		and are effective .	country, and are		
								highly effective.		
			Justification/eviden	[Enter text here. E.g. reference to types of management instruments, evidence of implementation, geographic differences, level of implementation						
	n/a: score] ce across different stakeholder groups.]		pups.]							
d	Man	agement of	No management	Use of management	Some management	Management instruments	Management	Management		
	wate	er-related	instruments	instruments is limited and	instruments	are implemented on a	instruments are	instruments are		
	ecos	ystems ²³	being	only through short-term /	implemented on a more	long-term basis, with	implemented on a long-	implemented on a		
	from	the national	implemented.	ad-hoc projects or similar.	long-term basis, but	adequate coverage across	term basis, with very	long-term basis, with		
	level				with limited coverage	different ecosystem types	good coverage across	excellent coverage		
					across different	and the country.	different ecosystem	across different		
					ecosystem types and the	Environmental Water	types and the country,	ecosystem types and		
					country.	Requirements (EWR)	and are effective . EWR	the country, and are		
						analysed in some cases.	analysed for most of	highly effective. EWR		
							country.	analysed for whole		
								country.		
	Score	or <mark>[Enter</mark>	Justification/eviden	[Enter text here. E.g. reference	to types of management instru	ments, evidence of implementat	ion and effectiveness, geograp	hic differences, level of		
	n/a:	score]	ce	implementation across differen	t ecosystem types.]					

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²² Includes regulations, water quality guidelines, economic tools (e.g. taxes and fees), water quality trading programs, water quality monitoring, education, consideration of point and non-point (e.g. agricultural) pollution sources, construction and operation of wastewater treatment plants, watershed management.

²³ Water-related ecosystems include rivers, lakes and aquifers, as well as wetlands, forests and mountains. Management of these systems includes tools such as management plans, the assessment of Environmental Water Requirements (EWR), and protection of areas and species. Monitoring includes measuring the extent and quality of the ecosystems over time.

			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)		
е	Manag	ement	No management	Use of management	Some management	Management instruments	Management	Management		
	instru	nents to	instruments	instruments is limited and	instruments	are implemented on a	instruments are	instruments are		
	reduce	impacts	being	only through short-term /	implemented on a more	long-term basis, with	implemented on a long-	implemented on a		
	of wat	er-related	implemented.	ad-hoc projects or similar.	long-term basis, but	adequate coverage of at-	term basis, with very	long-term basis, with		
	disaste	e rs²⁴ from			with limited coverage of	risk areas.	good coverage of at-risk	excellent coverage of		
	the na	tional level			at-risk areas.		areas, and are effective.	at-risk areas, and are		
								highly effective.		
	Score or [Enter		Justification/eviden	_	ter text here. E.g. reference to types of management instruments, evidence of implementation and effectiveness, geographic difference to types of management instruments.					
	n/a: score] ce			implementation for different types of water-related disasters.]						
	3.2 What is the status		of management inst	ruments to support IWRM im	plementation at other leve	ls?				
а	Basin		No basin level	Use of basin level	Some basin level	Basin level management	Basin level management	Basin level		
	manag	ement	management	management instruments	management	instruments implemented	instruments	management		
	instru	nents. ²⁵	instruments	is limited and only	instruments	on a more long-term	implemented on a more	instruments		
			being	through short-term / ad-	implemented on a more	basis, with adequate	long-term basis, with	implemented on a		
			implemented.	hoc projects.	long-term basis, but	geographic and	effective outcomes and	more long-term basis,		
					with limited geographic	stakeholder coverage.	very good geographic	with highly effective		
					and stakeholder		and stakeholder	outcomes and		
					coverage.		coverage.	excellent geographic		
								and stakeholder		
								coverage.		
	Score or	[Enter	Justification/eviden	[Enter text here. E.g. reference	to types of management instru	ments, evidence of implementat	ion and effectiveness, geograp	hic differences, level of		
	n/a:	score]	ce	implementation across differen	t stakeholder groups.]					

²⁴ Management instruments can cover: understanding disaster risk; strengthening disaster risk governance; investing in disaster risk reduction; and enhancing disaster preparedness. Impacts include social impacts (such as deaths, missing persons, and number of people affected) and economic impacts (such as economic losses in relation to GDP). Water-related disasters include disasters that can be classified under the following: Hydrological (flood, landslide, wave action); Meteorological (convective storm, extratropical storm, extreme temperature, fog, tropical cyclone); and Climatological (drought, glacial lake outburst, wildfire).

²⁵ Basin and aquifer management: involves managing water at the appropriate hydrological scale, using the surface water basin or aquifer as the unit of management. This may involve basin and aquifer development, use and protection plans. It should also promote multi-level cooperation, and address potential conflict, among users, stakeholders and levels of government for the management of water resources. To achieve 'Very high (100)' basin and aquifer management scores, surface and groundwater management must be integrated.

		Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)	
b	Aquifer	No aquifer level	Use of aquifer level	Some aquifer level	Aquifer level management	Aquifer level	Aquifer level	
	management	management	management instruments	management	instruments implemented	management	management	
	instruments. ²⁶	instruments	is limited and only	instruments	on a more long-term	instruments	instruments	
		being	through short-term / ad-	implemented on a more	basis, with adequate	implemented on a more	implemented on a	
		implemented.	hoc projects.	long-term basis, but	geographic and	long-term basis, with	more long-term basis,	
				with limited geographic	stakeholder coverage.	effective outcomes and	with highly effective	
				and stakeholder		very good geographic	outcomes and	
				coverage.		and stakeholder	excellent geographic	
						coverage.	and stakeholder	
							coverage.	
Score or Enter Justification/eviden		[Enter text here. E.g. reference to types of management instruments, evidence of implementation and effectiveness, geographic differences, level of						
n/a: score] ce		•	implementation across different stakeholder groups.]					
С	Data and	No data and	Limited data and	Data and information	Data and information	Data and information	All relevant data and	
	information	information	information sharing on an	sharing arrangements	sharing arrangements	sharing arrangements	information are	
	sharing <u>within</u>	sharing.	ad-hoc basis.	exist on a more long-	implemented on a more	implemented on a more	online and freely	
	countries at all			term basis between	long-term basis, with	long-term basis, with	accessible to all.	
	levels ²⁷			major data providers and users.	adequate coverage across	very good coverage across sectors and the		
				and users.	sectors and the country.			
	Score or Fenter	Justification / oviden	[Entertext here E.g. reference	to different data and informati	on charing arrangements, access	to information 1		
Score or [Enter Justification/eviden n/a: score ce		[Enter text here. E.g. reference to different data and information sharing arrangements, access to information.]						
d	<u> </u>	No data and	Limited data and	Data and information	Data and information	Data and information	All relevant data and	
	data and	information	information sharing on an	sharing arrangements	sharing arrangements	sharing arrangements	information are online	
	information	sharing.	ad-hoc or informal basis.	exist, but sharing is	implemented adequately.	implemented	and accessible	
	sharing between			limited.		effectively. ²⁸	between countries.	
	countries							
Score or [Enter Justification/eviden [Enter text here. E.g. reference to different data and information sharing arrangements, access to information.]				to information.]	_			
	n/a: score]	ce						
4	Average 'Managemen	t Instruments'	[Enter score here]	In case of 'n/a' for any questions, they should be omitted from the average calculation.				
!	core							

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²⁶ See previous footnote on basin management instruments, which also applies to aquifers.

²⁷ Includes more formal data and information sharing arrangements between users, as well as accessibility for the general public, where appropriate.

²⁸ E.g. institutional and technical mechanisms in place that allow for exchanging data as agreed upon in agreements between riparians (e.g. regional database or information exchange platform with a river basin organization including technical requirements for data submission, institutionalized mechanisms for QA and for analysing the data, etc.).

4. Financing

This section concerns the adequacy of the finance available for water resources development and management from various sources.

Finance for investment and recurrent costs can come from many sources, the most common being central government budget allocations to relevant ministries and other authorities. Finance from Overseas Development Assistance (ODA) specifically for water resources should be considered part of the government budget. Note that the level of coordination between ODA and national budgets is tracked by the 'means of implementation' indicator 6.a.1: "Amount of water- and sanitation-related official development assistance that is part of a government-coordinated spending plan", as part of reporting on Target 6.a: "By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies".

"Other sources" include fees and tariffs levied on water users, polluter fees or grants from philanthropic or similar organisations. In kind support should not be included as it is not easily measurable but can be mentioned in the 'Justification/evidence' section.

Investments should cover all aspects of water resources development and management but exclude any related to drinking water supply and sanitation services as they are covered in other monitoring processes.

Please take note of all footnotes as they contain important information and clarification of terms used in the questions and thresholds.

Enter your score, **in increments of 10**, from 0-100, or n/a (not applicable), in the yellow cell immediately below each question. You are strongly encouraged to provide the justification and references to evidence for the score in the grey cell to the right of the score. This will help achieve agreement among different stakeholders in the country, as well as help monitor progress over time. Suggestions for the type of information required are provided. You may also provide further information you think is relevant, or links to further documentation. If 'Very high (100)' or 'n/a' is selected, a justification should be provided.

4. Financing								
			Degree of implementation (0 – 100)					
			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)
4.:	4.1 What is the status of financing for water resources development and management at the national level?							
а	for inve includin resource	al budget ²⁹ estment ng water es ucture ³⁰ .	No budget allocated in national investment plans.	Budget allocated but only partly covers planned investments.	Sufficient budget allocated for planned investments but insufficient funds disbursed or made available.	Sufficient budget allocated and funds disbursed for all planned programmes or projects.	Funding available and all planned projects under implementation.	Planned programs completed, post- evaluation carried out and new funding cycle for programs underway.
		[Enter score]	Justification/evidence	[Enter text here. E.g. reference to adequacy of budget, significant budget gaps.]				
b	for the costs of	al budget recurrent f the elements ³¹	No budget allocations made for recurrent costs of the IWRM elements.	Allocations made for only a few of the elements and implementation at an early stage.	Allocations made for at least half of the elements but insufficient for others.	Allocations for most of the elements and some implementation under way.	Allocations include all elements and implementation regularly carried out.	Planned budget allocations for all elements of the IWRM approach fully utilised.
		[Enter score]	Justification/evidence	[Enter text here. E.g. reference	e to adequacy of budget, sign	nificant budget gaps.]		'

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²⁹ Allocations of funding for water resources may be included in several budget categories or in different investment documents. Respondents are thus encouraged to examine different sources for this information. When assessing the allocations respondents should take account of funds from government budgets and any co-funding (loans or grants) from other sources such as banks or donors.

³⁰ Infrastructure includes 'hard' structures such as dams, canals, pumping stations, flood control, treatment works etc as well as soft infrastructure and environmental measures such as catchment management, sustainable drainage systems etc. For this survey do not include infrastructure for drinking water supply or sanitation services.

³¹ 'IWRM elements' refers to all the activities described in sections 1, 2 and 3 of this survey that require funding, e.g. policy, law making and planning, institutional strengthening, coordination, stakeholder participation, capacity building, and management instruments such as research and studies, gender and environmental assessments, data collection, monitoring etc.

			Very low (0)	Low (20)	Medium-low (40)	Medium-high (60)	High (80)	Very high (100)
4	4.2 What is the status of financing for water resources development and management at other levels?							
а	ba in in re	asin budgets for	No budget allocated In sub-national or basin investment plans.	Budget allocated but only partly covers planned investments.	Sufficient budget allocated for planned investments but insufficient funds disbursed or made available.	Sufficient budget allocated and funds disbursed for all planned programmes or projects.	Funding available and all planned projects under implementation.	Budget fully utilised, programmes completed as planned and post evaluation carried out.
	Score or [Enter score] Justification/evidence [Enter score]		Enter text here. E.g. reference to adequacy of budget, significant budget gaps.]					
b	fre le us		No revenues raised at the sub-national level.	Processes in place to raise local revenue but not yet implemented.	Limited revenues raised from charges, but are not used for IWRM activities.	Limited revenues raised from charges cover some IWRM activities.	Revenues raised from charges cover most IWRM activities.	Local authorities raise funds from multiple sources and fully cover costs of IWRM activities.
		Score or [Enter score] Justification/evidence [Enter text here. E.g. reference to types of revenue n/a:		types of revenues raised a	enues raised and mechanisms, and adequacy of revenues to meet requirements.]			
С	tr	ransboundary ³³	No specific funding allocated from the MS budgets nor from other regular sources.	MS agreement on country share of contributions in place and in-kind support for the cooperation organisation / arrangement.	Funding less than 50% of that expected as contributions and by regulation.	Funding less than 75% of that expected as contributions and by regulation.	Funding more than 75% of that expected as contributions and by regulation.	Full funding of that expected as contributions and by regulation.
Score or [Enter score] Justification/evidence [Enter text here. E.g. reference to financing arrangements, evidence of contributions.]								
A	Average 'Financing' score			[Enter score here] In case of 'n/a' for any questions, they should be omitted from the average calculation.				

³² For example, abstraction & bulk water charges, environmental fees such as pollution charges, Payment for Ecosystem Services (PES) schemes, and the sale of secondary products and services, significant contributors.

³³ Transboundary includes surface and groundwater basins that cross one or more national borders.

³⁴ In this question "Member States (MS)" refers to riparian countries that are parties to the arrangement. "Contributions" refers to the annual share of funds agreed from MS national budgets to support the agreed TB cooperation arrangement. Regular funds obtained from for example, water user fees (e.g. hydropower charges) and polluter-pays fees on the basis of existing regulation are also taken into account as sustainable funding. As variable and unsustainable, donor support is not considered.

5. Indicator 6.5.1 score

Please complete the following table based on scores calculated for the previous four sections.

The indicator 6.5.1 score is the average of each of the section scores.

Section	Average Score
Section 1 Enabling Environment	
Section 2 Institutions and Participation	
Section 3 Management Instruments	
Section 4 Financing	
Indicator 6.5.1 score = Degree of IWRM implementation (0-100)	

(Please remember: Questions where the score is 0 (zero) must be included. However, questions that are not applicable must not be included.)

Interpretation of the score

The score indicates the 'degree of implementation of Integrated Water Resources Management', on a scale of 0 to 100, with 0 signifying no implementation, and 100 signifying complete implementation. However, the true value of the questionnaire to countries lies within the scores and justification provided for the individual questions, as this helps to identify which actions need to be taken to move towards a greater degree of implementation of IWRM.