Reporting on global SDG indicator 6.5.2

TEMPLATE of the second cycle for reporting

Content of the template

The template is divided into four 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

Country name: [REPUBLIC OF ARMENIA]
I. Calculation of Sustainable Development Goal indicator 6.5.2

Methodology

1. Using the information gathered in section II, the information gathered in this section allows for the calculation of Sustainable Development Goal global indicator 6.5.2, which is defined as the proportion of transboundary basin area with an operational arrangement for water cooperation.

2. The step-by-step monitoring methodology for indicator 6.5.2, developed by UNECE and UNESCO in the framework of UN-Water, should be referred to for details on the necessary data, the definitions and the calculation.a

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

4. 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.

5. 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.

6. For an arrangement to be considered “operational” all the following criteria need to be in place in practice:

   (a) There is a joint body, joint mechanism or commission (e.g., a river basin organization) for transboundary cooperation (criterion 1);

   (b) There are regular (at least once per year) formal communications between riparian countries in form of meetings (either at the political or technical level) (criterion 2);

   (c) Joint objectives, a common strategy, a joint or coordinated management plan, or an action plan have been agreed upon by the riparian countries (criterion 3);

   (d) There is a regular (at least once per year) exchange of data and information (criterion 4).

Calculation of indicator 6.5.2

7. 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:

   (a) The country/ies with which the basin is shared;

   (b) The surface area of the basin (the catchment of rivers or lakes and the aquifer in the case of groundwater) within the territory of your country (in square kilometres (km²));

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(c) Whether a map and/or a geographical information system (GIS) shapefile of the basin has been provided;
(d) Whether there is an arrangement in force for the basin;
(e) The verification of each of the four criteria to assess operationality;
(f) The surface area of the basin within the territory of your country which is covered by a cooperation arrangement that is operational according to the above criteria.

8. In case an operational arrangement is in place only for a sub-basin or a 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.
Table 1
Transboundary river or lake basin (please add rows as needed)

<table>
<thead>
<tr>
<th>Name of transboundary river or lake basin/sub-basin</th>
<th>It is a basin or a sub-basin?</th>
<th>Countries shared with</th>
<th>Surface area of the basin/sub-basin (in km²)</th>
<th>Covered by an arrangement (entirely, partly, no)</th>
<th>Criterion 1 applied (yes/no)</th>
<th>Criterion 2 applied (yes/no)</th>
<th>Criterion 3 applied (yes/no)</th>
<th>Criterion 4 applied (yes/no)</th>
<th>Surface area of the basin/sub-basin (in km²) covered by an operational arrangement within the territory of the country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Araks/Aras Basin</td>
<td>Baseline</td>
<td>Turkey, Iran, Azerbaijan</td>
<td>22560</td>
<td>Yes, partly /see in the section II/</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>581</td>
</tr>
<tr>
<td>Akhuryan/Arpacay Sub-basin of Araks/Aras basin</td>
<td>Sub-basin of Araks/Aras basin</td>
<td>Turkey</td>
<td>2784</td>
<td>Yes, entirely /see in the section II/</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>2784</td>
</tr>
<tr>
<td>Arpa</td>
<td>Sub-basin of Araks/Aras basin</td>
<td>Azerbaijan</td>
<td>2080</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Vorotan/Bardushat Sub-basin of Araks/Aras</td>
<td>Sub-basin of Araks/Aras</td>
<td>Azerbaijan</td>
<td>2030</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Voghji</td>
<td>Sub-basin of Araks/Aras</td>
<td>Azerbaijan</td>
<td>788</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Aghstev/ Akstafa Sub-basin of Kura basin</td>
<td>Sub-basin of Kura basin</td>
<td>Azerbaijan</td>
<td>770</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Debed/Khrami Sub-basin of Kura basin</td>
<td>Sub-basin of Kura basin</td>
<td>Georgia</td>
<td>3790</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
</tbody>
</table>

(A) Total surface area of transboundary basins/sub-basins of rivers and lakes covered by operational arrangements within the territory of the country (in km²) (do not double count sub-basins)

(B) Total surface area of transboundary basins of rivers and lakes within the territory of the country (in km²)

3365

27120

List sub-basins after the basin they belong to.
<table>
<thead>
<tr>
<th>Name of transboundary river or lake basin/sub-basin</th>
<th>It is a basin or a sub-basin?</th>
<th>Countries shared with</th>
<th>Surface area of the basin/sub-basin (in km²) within the territory of the country</th>
<th>Map and/or GIS shapefile provided (yes/no)</th>
<th>Covered by an arrangement (entirely, partly, no) (Ref. to questions in sect. II)</th>
<th>Criterion 1 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Criterion 2 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Criterion 3 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Criterion 4 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Surface area of the basin/sub-basin (in km²) covered by an operational arrangement within the territory of the country</th>
</tr>
</thead>
<tbody>
<tr>
<td>(do not double count sub-basins)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Map N1: Surface water: Republic of Armenia
<table>
<thead>
<tr>
<th>Name of the transboundary aquifer</th>
<th>Countries shared with</th>
<th>Surface area of the aquifer (in km²) within the territory of the country</th>
<th>Map and/or GIS shapefile provided (yes/no)</th>
<th>Covered by an aquifer specific arrangement (entirely, partly, no) (Ref. to questions in sect. II)</th>
<th>Covered within an arrangement not specific to the aquifer (entirely, partly, no) (Ref. to questions in sect. II)</th>
<th>Criterion 1 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Criterion 2 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Criterion 3 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Criterion 4 applied (yes/no) (Ref. to questions in sect. II)</th>
<th>Surface area of the aquifer (in km²) covered by an operational arrangement within the territory of the country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vorotan-Akora</td>
<td>Azerbaijan</td>
<td>1100</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Leninak-Shiraks</td>
<td>Turkey</td>
<td>925</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Aghstev/Aktafa-Tavush/Tovuz</td>
<td>Azerbaijan</td>
<td>500</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Debed</td>
<td>Georgia</td>
<td>20</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Herher, Malishkin, and Jermuk</td>
<td>Azerbaijan</td>
<td>1.84</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sub-total: surface area of transboundary aquifers covered by operational arrangements (in km²) 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total surface area of transboundary aquifers (in km²) 2546.84</td>
</tr>
</tbody>
</table>

*For a transboundary aquifer, the extent is derived from the aquifersystem delineation which is commonly done relying on information of the subsurface (notably the extent of geological formations). As a general rule, the delineation of aquifersystems is based on the delineation of the extent of the hydraulically connected water-bearing geological formations. Aquifersystems are three-dimensional objects and the aquifer area taken into account is the projection of the three-dimensional objects onto the surface. Ideally, when different aquifersystems are not hydraulically connected vertically superposed, the different relevant projected areas are to be considered separately, unless the different aquifersystems are managed conjunctively.

*In the text of the agreement or arrangement or in the practice.
Indicator value for the country

Surface waters:
Percentage of surface area of transboundary basins of rivers and lakes covered by an operational arrangement:

\[ \frac{A}{B} \times 100 = 12.4 \]

Aquifers:
Percentage of surface area of transboundary aquifers covered by an operational arrangement:

\[ \frac{C}{D} \times 100 = 0 \]

Sustainable Development Goal indicator 6.5.2:
Percentage of surface area of transboundary basins covered by an operational arrangement:

\[ \left( \frac{A + C}{B + D} \right) \times 100 = 11.342 \]

Spatial information
If a map (or maps) of the transboundary surface water catchments and transboundary aquifers (i.e., “transboundary basins”) is available, please consider attaching them. Ideally, shapefiles of the basin and aquifer delineations that can be viewed in GIS should be sent.

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:
Does your country have transboundary agreements or arrangements for the protection and/or management of transboundary waters (i.e., rivers, lakes or groundwater), whether bilateral or multilateral?

Yes ☑️/No ☐

If yes, list the bilateral and multilateral agreements or arrangements (listing for each of the countries concerned):

Armenia is part of the transboundary Kura-Araks River Basin. It has borders with Turkey, Iran, Georgia and Azerbaijan.

During Soviet Union there were signed number of agreements concerning management and protection of transboundary river basins, but after the collapse of Soviet Union they are no more operational. Thus, there are no arrangements or agreements developed since Armenia’s independence after the collapse of the Soviet Union. However, the Convention between the USSR and the Republic of Turkey of 1927 on Water Use in Transboundary rivers and streams is still acting. Also, there is a Directive on joint operation of Akhuryan Dam and Reservoir adopted in Ankara between the USSR and Turkey on October 26, 1973. There is a Standing Inter-State Committee controlling the use of Akhuryan Reservoir waters (50/50).

Armenia has an Agreement with Iran regarding the transboundary Araks River. Joint monitoring visits are implemented regularly with the support of both states. There is no agreement between Armenia and Georgia, although significant cooperation and joint water quality monitoring had been promoted through the UNDP/GEF/SIDA and EU funded transboundary projects. However, there is an Agreement between the Government of the RA and the Government of Georgia on Cooperation in the Field of Protection of the Environment and Natural Resources (1997).

In 2019-2020 with the support of regional EU “Water Initiative +” project, steps have been made to start the joint /Armenia and Georgia/ monitoring of Khrami-Debet transboundary river basin.

There is no cooperation with Azerbaijan due to political conflict over Nagorno-Karabakh, although the two countries have signed a ceasefire in 1994, post-ceasefire violence and escalations happen from time to time. Thus, no transboundary management of water is currently possible with Azerbaijan.

II. Questions for each transboundary basin, sub-basin, part of a basin, or group of basins (river, lake or aquifer)

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

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1 In 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.

2 In 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.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins: [ARAKS/ARAS]

List of the riparian States: [TURKEY, IRAN, AZERBAIJAN]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [fill in]

Unknown

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [22%]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

   - 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(s) or arrangement(s)*


6. Agreement or arrangement is under development

No agreement or arrangement

*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]
If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?  
   Yes X/No ☐
   If yes, does it cover the entire basin or group of basins and all riparian States?
   Yes ☐/No X
   Additional explanations?[The Joint Monitoring Agreement of Araks river water quality covers only the area bordering Republic of Armenia and the Iran Islamic Republic. As mentioned in the Section II the Araks river flows also in 2 countries Turkey and Azerbaijan, but due to the absence of diplomatic relations there is no agreement between Armenia, Turkey and Azerbaijan]
   Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?
   Yes ☐/No ☐
   Additional explanations?[fill in]
   Which States (including your own) are bound by the agreement or arrangement? (Please list): [Republic of Armenia and the Iran Islamic Republic]
   (b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?
   Yes ☐/No X
   If yes, please list the aquifers covered by the agreement or arrangement: [fill in]
   (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 ☐
   If one or several water uses or sectors, please list (check as appropriate):
   Water uses or sectors
   Industry ☐
   Agriculture ☐
   Transport (e.g., navigation) ☐
   Households ☐
   Energy: hydropower and other energy types ☐
   Fisheries ☐
   Tourism ☐
   Nature protection X
Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

**Procedural and institutional issues**
- Dispute and conflict prevention and resolution
- Institutional cooperation (joint bodies)
- Consultation on planned measures
- Mutual assistance

**Topics of cooperation**
- Joint vision and management objectives
- Joint significant water management issues
- Navigation
- Human health
- Environmental protection (ecosystem)
- Water quality
- Water quantity or allocation
- Cooperation in addressing floods
- Cooperation in addressing droughts
- Climate change adaptation

**Monitoring and exchange**
- Joint assessments
- 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

**Joint planning and management**
- Development of joint regulations on specific topics
- 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 your country faces with the agreement or arrangement and its implementation, if any?
Aligning implementation of agreement or arrangement with national laws, policies and programmes

Aligning implementation of agreement or arrangement with regional laws, policies and programmes  X

Lack of financial resources  X

Insufficient human capacity

Insufficient technical capacity

Tense diplomatic relations

Non-participation of certain riparian countries in the agreement  X

No significant difficulties

Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [The main achievement of the joint monitoring agreement is the permanent meetings/once a year/between 2 countries, joint monitoring of Araks river water quality and exchange of data.]

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [The Agreement is available only in Armenian and Iranian languages. There is no English version]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

Yes X/No

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

Plenipotentiaries

Bilateral commission

Basin or similar commission

Expert group meeting or meeting of national focal points  X

Other (please describe): []

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes  X/No

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [Republic of Armenia and the Iran Islamic Republic]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [Turkey and Azerbaijan]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?
No cooperation X
They have observer status □
Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

A secretariat □

If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): []

A subsidiary body or bodies □

Please list (e.g., working groups on specific topics): [fill in]

Other features (please list): [Working Group]

(g) What are the tasks and activities of this joint body or mechanism?

Identification of pollution sources X
Data collection and exchange X
Joint monitoring X
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 warning and alarm procedures □
Surveillance and early warning of water related disease □
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 or action plans □

3 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.
Management of shared infrastructure □
Addressing hydromorphological alterations □
Climate change adaptation □
Joint communication strategy □
Basin-wide or joint public participation and consultation of, for example, basin management plans □
Joint resources to support transboundary cooperation □
Capacity-building □
Any other tasks (please list): [fill in]

(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

- Governance issues □
  *Please describe, if any: [fill in]*
- Unexpected planning delays □
  *Please describe, if any: [fill in]*
- Lack of resources □
  *Please describe, if true: [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 □
  *Please describe, if any: [fill in]*
- Lack of information and reliable forecasts □
  *Please describe, if any: [fill in]*

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

- Yes X/No □
- If yes, how frequently does it meet?
  - More than once per year □
  - Once per year X
  - Less than once per year □

(j) What are the main achievements with regards to the joint body or mechanism? [Permanent and rapid exchange of water quality monitoring data]

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?
Yes □/No X

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism? [See the Section II 2a]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?
Yes X/No □

If yes, please provide further details: [The joint monitoring working group meets each year. During every meeting the joint Armenian and Iranian working group endorses the monitoring program for the next year. After the endorsement all participants sigh the protocol]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. □
Environmental flow norms, including consideration of levels and seasonality □

Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals X

Water-related species and habitats protection □

Other measures (please describe): [fill in]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
Yes □/No X

This answer refers only to cooperation between the Republic of Armenia and Iran Islamic Republic

/No

(b) If yes, how often:

More than once per year □

Once per year X

Less than once per year □

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [The joint monitoring working group meets each year. During every meeting the Armenian and Iranian sides exchange information on water quality monitoring data. After that working group endorses the monitoring program for the next year. After the endorsement all participants sigh the protocol]

(d) If yes, on what subjects are information and data exchanged?

Environmental conditions □
Research activities and application of best available techniques □

Emission monitoring data □

Planned measures taken to prevent, control or reduce transboundary impacts □

Point source pollution sources □

Diffuse pollution sources □
Existing hydromorphological alterations (dams, etc.)
Flows or water levels (including groundwater levels)
Water abstractions
Climatological information
Future planned measures with transboundary impacts, such as infrastructure development

Other subjects (please list): [fill in]
Other comments, e.g. spatial coverage of data and information exchange: [fill in]

(e) Is there a shared database or information platform?
Yes ☐/No X ☑

(f) Is the database publicly available?
Yes ☐/No X ☑
If yes, please provide the web address: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?
Frequency of exchanges ☐
Timing of exchanges ☐
Comparability of data and information ☑
Limited spatial coverage ☐
Inadequate resources (technical and/or financial) ☐
Other (please describe): [fill in]
Additional comments: [fill in]

(h) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?
Yes X/No ☐

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

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<tr>
<th></th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
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<tr>
<td>Border surface waters</td>
<td>☐</td>
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<tr>
<td>Surface waters in the entire basin</td>
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<td>Surface waters on the main watercourse</td>
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<td>Surface waters in part of the basin</td>
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<tr>
<td>[Armenian and Iranian part only]</td>
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<tr>
<td>Transboundary aquifer(s) (connected)</td>
<td>☐</td>
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or unconnected)

Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake

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<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
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</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations

*Please describe: [fill in]*

Joint and agreed methodologies

*Please describe: [fill in]*

Joint sampling

*Please describe: [The joint sampling is done once a year. The samples are analyzed in the laboratories of the countries and the results are exchanged between countries.]*

Common monitoring network

*Please describe: [fill in]*

Common agreed parameters

*Please describe: [fill in]*

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]

(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☒

*If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]*

9. Have the riparian States agreed to use joint water quality standards?

Yes ☒

*If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]*

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

Notification and communication ☒

Coordinated or joint early warning or 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 and climate change?
- 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
- Other (please list): [fill in]
No measures X

If not, why not? What difficulties does your country face in putting in place such measures?: [The Agreement between the Republic of Armenia and Iran Islamic Republic covers only Araks river quality monitoring and exchange of data]

12. Are procedures in place for mutual assistance in case of a critical situation?
Yes ☐/No X

If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, sub-basin, part of a basin or group of basins?
Yes ☐/No X

If yes, how? (please tick all applicable)
- Stakeholders have observer status in a joint body or mechanism
- Stakeholders have an advisory role in the joint body
- Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism: [fill in]
- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public
Consultation on planned measures or river basin
management plans\textsuperscript{4}  \hspace{1cm} \Box

Public involvement  \hspace{1cm} \Box

Other (please specify): [fill in]

\textsuperscript{4} Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins: [AKHURYAN/ARPACAY]

List of the riparian States: [TURKEY]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake  
- Unconfined aquifer with no or limited relation with surface water  
- Confined aquifer connected to surface water  
- Confined aquifer with no or limited relation with surface water  
- Other  

Please provide a description: [fill in]

Unknown

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [29%]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

- 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(s) or arrangement(s)

1. The Protocol of the Meeting of the Turkish-Soviet Joint Commission Pertaining to the Joint Construction of a Dam on the Akhuryan (Arpacay) (1964).

Agreement or arrangement is under development

No agreement or arrangement

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]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?  
Yes X/No [ ]

If yes, does it cover the entire basin or group of basins and all riparian States?  
Yes X/No [ ]

Additional explanations? [All 3 agreements mentioned in the Section 1 were signed during Soviet Union and they concern the construction and exploitation of Akhuryan Reservoir 525mln.m³. After the independence of the Republic of Armenia most agreements with riparian countries stopped operating, however the Agreement between the Republic of Turkey and the Soviet Union Socialist Republics on the Joint Exploitation of Dam and Reservoir on the Akhuryan (Arpachay) River (1973) is still in force. There is a Standing Inter-State Committee controlling the use of Akhuryan Reservoir waters (50/50).]

Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?  
Yes [ ]/No [ ]

Additional explanations? [fill in]

Which States (including your own) are bound by the agreement or arrangement? (Please list): [Republic of Armenia and the Republic of Turkey]

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?  
Yes [ ]/No X

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 [ ]

If one or several water uses or sectors, please list Joint operation of the reservoir:  

Water uses or sectors

Industry [ ]

Agriculture X

Transport (e.g., navigation) [ ]

Households [ ]

Energy: hydropower and other energy types [ ]

Fisheries [ ]

Tourism [ ]

Nature protection [ ]

Other (please list): [fill in]
(d) What topics or subjects of cooperation are included in the agreement or arrangement?

**Procedural and institutional issues**
- Dispute and conflict prevention and resolution [☐]
- Institutional cooperation (joint bodies) [X]
- Consultation on planned measures [X]
- Mutual assistance [☐]

**Topics of cooperation**
- Joint vision and management objectives [☐]
- Joint significant water management issues [X]
- Navigation [☐]
- Human health [☐]
- Environmental protection (ecosystem) [☐]
- Water quality [☐]
- Water quantity or allocation [X]
- Cooperation in addressing floods [☐]
- Cooperation in addressing droughts [☐]
- Climate change adaptation [☐]

**Monitoring and exchange**
- Joint assessments [☐]
- Data collection and exchange [X]
- 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 [☐]

**Joint planning and management**
- Development of joint regulations on specific topics [☐]
- Development of international or joint river, lake or aquifer basin management or action plans [☐]
- Management of shared infrastructure [X]
- Development of shared infrastructure [☐]
- Other (please list): [fill in]

(e) What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any?

Aligning implementation of agreement or arrangement with
national laws, policies and programmes
Aligning implementation of agreement or arrangement with regional laws, policies and programmes
Lack of financial resources
Insufficient human capacity
Insufficient technical capacity
Tense diplomatic relations
participation of certain riparian countries in the agreement
No significant difficulties
Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [The main achievement of the agreement is the permanent meetings between the representatives of 2 countries, discussions about sustainable use of Akhuryan reservoir and exchange of water quantitative data.]

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [As the Agreement was signed in 1973, it was archived.]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?
Yes X/No

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

- Plenipotentiaries
- Bilateral commission X
- Basin or similar commission
- Expert group meeting or meeting of national focal points
- Other (please describe): [fill in]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes X/No

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [Republic of Armenia and the Republic of Turkey]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [There are no other riparian states. The Akhuryan river flows only through Republic of Armenia and the Republic of Turkey]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?
No cooperation □
They have observer status □
Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?
- A secretariat □

If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): []
- A subsidiary body or bodies □

Please list (e.g., working groups on specific topics): [fill in]
- Other features (please list): [Permanent Commission]

(g) What are the tasks and activities of this joint body or mechanism?5
- Identification of pollution sources □
- Data collection and exchange X
- 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 warning and alarm procedures □
- Surveillance and early warning of water related disease □
- 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 X
- Settling of differences and conflicts X
- Consultations on planned measures □
- Exchange of information on best available technology □
- Participation in transboundary EIA □
- Development of river, lake or aquifer basin management or action plans □

5 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.
Management of shared infrastructure  X
Addressing hydromorphological alterations  
Climate change adaptation  
Joint communication strategy  
Basin-wide or joint public participation and consultation of, for example, basin management plans  
Joint resources to support transboundary cooperation  
Capacity-building  

Any other tasks (*please list*): [fill in]

(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

- Governance issues  
  *Please describe, if any*: [fill in]
- Unexpected planning delays  
  *Please describe, if any*: [fill in]
- Lack of resources  
  *Please describe, if true*: [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  
  *Please describe, if any*: [fill in]
- Lack of information and reliable forecasts  
  *Please describe, if any*: [fill in]
- Others (*please list and describe, as appropriate*): [No diplomatic relations]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes X/No

If yes, how frequently does it meet?

- More than once per year  X
- Once per year  
- Less than once per year  

(j) What are the main achievements with regards to the joint body or mechanism? [Permanent and rapid exchange of water allocation issues]

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes [No X]
If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism? [There are no other riparian states. The Akhuryan river flows only through Republic of Armenia and the Republic of Turkey]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?
   Yes X / No □

   If yes, please provide further details: [The Akhuryan reservoir is use by the Republic of Armenia and the Republic of Turkey with principal of 50/50% of all water reserve. During the meeting of Permanent Commission the countries representatives discuss the water allocation strategy and adopt joint protocols where joint management objectives are set.]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?
   - Regulation of urbanization, deforestation, and sand and gravel extraction.
   - Environmental flow norms, including consideration of levels and seasonality X
   - Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals
   - Water-related species and habitats protection
   - Other measures (please describe): [fill in]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
   Yes X / No □

   (b) If yes, how often:
   - More than once per year
   - Once per year X
   - Less than once per year

   (c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [Permanent Commission meets per year and decides water allocation issues and exchange information on water quantity data of Akhuryan reservoir ]

   (d) If yes, on what subjects are information and data exchanged?
   - Environmental conditions
   - Research activities and application of best available techniques
   - Emission monitoring data
   - Planned measures taken to prevent, control or reduce transboundary impacts
   - Point source pollution sources
   - Diffuse pollution sources
   - Existing hydromorphological alterations (dams, etc.)
Flows or water levels (including groundwater levels) [X]
Water abstractions
Climatological information
Future planned measures with transboundary impacts, such as infrastructure development
Other subjects (please list): [fill in]
Other comments, e.g. spatial coverage of data and information exchange: [fill in]
(e) Is there a shared database or information platform?
Yes [ ]/No [ X]
(f) Is the database publicly available?
Yes [ ]/No [ X]
*If yes, please provide the web address: [fill in]*
(g) What are the main difficulties and challenges to data exchange, if applicable?
Frequency of exchanges [ ]
Timing of exchanges [ ]
Comparability of data and information [ ]
Limited spatial coverage [ ]
Inadequate resources (technical and/or financial) [ ]
Other (please describe): [fill in]
Additional comments: [fill in]
(h) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]
7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?
Yes [ ]/No [ X]
(a) If yes, what does the joint monitoring cover?

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<td>please describe [fill in]</td>
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<tr>
<td>Transboundary aquifer(s) (connected or unconnected)</td>
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<tr>
<td>Aquifer(s) in the territory of one</td>
<td>[ ]</td>
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</tbody>
</table>
riparian hydraulically connected to a transboundary river or lake

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations

Please describe: [fill in]

Joint and agreed methodologies

Please describe: [fill in]

Joint sampling

Please describe: [fill in]

Common monitoring network

Please describe: [fill in]

Common agreed parameters

Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]

(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☒

If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

Yes ☒

If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

Notification and communication

Coordinated or joint early warning or 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?: [The Agreement between the Republic of Armenia and the Republic of Turkey only regulates annual allocation of Akhuryan reservoir water resources for each country]

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events and climate change?

- 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
- Other (please list): [fill in]

No measures [X]

If not, why not? What difficulties does your country face in putting in place such measures?: [The Agreement between the Republic of Armenia and the Republic of Turkey only regulates annual allocation of Akhuryan reservoir water resources for each country]

12. Are procedures in place for mutual assistance in case of a critical situation?

Yes [ ] No [X]

If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, sub-basin, part of a basin or group of basins?

Yes [ ] No [X]

If yes, how? (please tick all applicable)

- Stakeholders have observer status in a joint body or mechanism
- Stakeholders have an advisory role in the joint body
- Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism: [fill in]

- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public [ ]
Consultation on planned measures or river basin management plans
Public involvement
Other (please specify): [fill in]

Please remember to complete section II for each of the transboundary basins, sub-basin, part of a basin or group of basins. Please also remember to attach copies of agreements or arrangements, if any.

6 Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins: [DEBED/KHRAMI]

List of the riparian States: [GEORGIA]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [fill in]

Unknown

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [92%]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?
   - One or more agreements or arrangements exist and are in force
   - Agreement or arrangement developed but not in force X
   - Agreement or arrangement developed, but not in force for all riparians

   Please insert the name of the agreement(s) or arrangement(s)

   1971 Protocol of Agreement between Armenia and Georgia on the Design of a Water Intake in the Debed River

   Agreement or arrangement is under development

   No agreement or arrangement

   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: [The protocol was signed during the Soviet Union and after the independence of both countries, the protocol was not updated.]

   If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?
   - Yes
   - No
If yes, does it cover the entire basin or group of basins and all riparian States?

Yes ☐/No ☐

Additional explanations?[ ]

Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement? (Please list): []

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes ☐/No ☐

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 ☐

If one or several water uses or sectors, please list (check as appropriate):

Water uses or sectors

Industry ☐

Agriculture ☐

Transport (e.g., navigation) ☐

Households ☐

Energy: hydropower and other energy types ☐

Fisheries ☐

Tourism ☐

Nature protection ☐

Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

Procedural and institutional issues

Dispute and conflict prevention and resolution ☐

Institutional cooperation (joint bodies) ☐

Consultation on planned measures ☐

Mutual assistance ☐

Topics of cooperation

Joint vision and management objectives ☐
Joint significant water management issues
Navigation
Human health
Environmental protection (ecosystem)
Water quality
Water quantity or allocation
Cooperation in addressing floods
Cooperation in addressing droughts
Climate change adaptation

**Monitoring and exchange**
- Joint assessments
- 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

**Joint planning and management**
- Development of joint regulations on specific topics
- 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 your country faces with the agreement or arrangement and its implementation, if any?

- Aligning implementation of agreement or arrangement with national laws, policies and programmes
- Aligning implementation of agreement or arrangement with regional laws, policies and programmes
- Lack of financial resources
- Insufficient human capacity
- Insufficient technical capacity
- Tense diplomatic relations
- Non-participation of certain riparian countries in the agreement
- No significant difficulties
Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [ ]

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [ ]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

Yes ☐/No ☐

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

☐ Plenipotentiaries
☐ Bilateral commission
☐ Basin or similar commission
☐ Expert group meeting or meeting of national focal points
☐ Other (please describe): [fill in]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☐

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [ ]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [ ]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

☐ No cooperation
☐ They have observer status
☐ Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

☐ A secretariat

If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [ ]

☐ A subsidiary body or bodies

Please list (e.g., working groups on specific topics): [fill in]

Other features (please list): [ ]
(g) What are the tasks and activities of this joint body or mechanism?7

- 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 warning and alarm procedures
- Surveillance and early warning of water related disease
- 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
- Settlement 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 or action plans
- Management of shared infrastructure
- Addressing hydromorphological alterations
- Climate change adaptation
- Joint communication strategy
- Basin-wide or joint public participation and consultation of, for example, basin management plans
- Joint resources to support transboundary cooperation
- Capacity-building

Any other tasks *(please list)*: [fill in]

(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

---

7This 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.
Governance issues

Please describe, if any: [fill in]

Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): []

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes☐/No☐

If yes, how frequently does it meet?

More than once per year☐

Once per year☐

Less than once per year☐

(j) What are the main achievements with regards to the joint body or mechanism?[]

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes☐/No☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?[]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☐/No☐

If yes, please provide further details: [Regional EU Water Initiative plus project facilitates the cooperation between Armenia and Georgia towards management and protection of Khrami/Debed transboundary river basin. Two countries decided to cooperate in bilateral water quality monitoring of the basin, which will in the future highly support the process of the development of river basin management plan.]
5. How is the transboundary basin, sub-basin, part of a basins or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. ☐

Environmental flow norms, including consideration of levels and seasonality ☐

Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals ☐

Water-related species and habitats protection ☐

Other measures (*please describe*): [fill in]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?

Yes ☐ /No ☐

(b) If yes, how often:

More than once per year ☐

Once per year ☐

Less than once per year ☐

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?

- Environmental conditions ☐
- Research activities and application of best available techniques ☐
- Emission monitoring data ☐
- Planned measures taken to prevent, control or reduce transboundary impacts ☐
- Point source pollution sources ☐
- Diffuse pollution sources ☐
- Existing hydromorphological alterations (dams, etc.) ☐
- Flows or water levels (including groundwater levels) ☐
- Water abstractions ☐
- Climatological information ☐
- Future planned measures with transboundary impacts, such as infrastructure development ☐
- Other subjects (*please list*): [fill in]

Other comments, e.g. spatial coverage of data and information exchange: [fill in]
(e) Is there a shared database or information platform?
Yes ☐/No ☐

(f) Is the database publicly available?
Yes ☐/No ☐

*If yes, please provide the web address: [fill in]*

(g) What are the main difficulties and challenges to data exchange, if applicable?
- Frequency of exchanges
- Timing of exchanges
- Comparability of data and information
- Limited spatial coverage
- Inadequate resources (technical and/or financial)

*Other (please describe): [fill in]*

Additional comments: [fill in]

(h) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?
Yes ☐/No ☐

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

<table>
<thead>
<tr>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters in part of the basin</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>please describe [fill in]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transboundary aquifer(s) (connected or unconnected)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations

*Please describe: [fill in]*

Joint and agreed methodologies

*Please describe: [fill in]*
Joint sampling □

Please describe:

Common monitoring network □

Please describe: [fill in]

Common agreed parameters □

Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]

(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☒ No X

If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

Yes ☒ No X

If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

Notification and communication □

Coordinated or jointly early warning or 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?: [□]

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events and climate change?

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 □

Other (please list): [fill in]

No measures ☒
If not, why not? What difficulties does your country face in putting in place such measures?: [ ]

12. Are procedures in place for mutual assistance in case of a critical situation?
   Yes ☐/No X
   If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, sub-basin, part of a basin or group of basins?
   Yes ☐/No X
   If yes, how? (please tick all applicable)
   Stakeholders have observer status in a joint body or mechanism ☐
   Stakeholders have an advisory role in the joint body ☐
   Stakeholders have a decision-making role in the joint body ☐
   If yes, please specify the stakeholders for the joint body or mechanism: [fill in]
       Intergovernmental organizations ☐
       Private sectors organizations or associations ☐
       Water user groups or associations ☐
       Academic or research institutions ☐
       Other non-governmental organizations ☐
       General public ☐
       Other (please specify): [fill in]
   Availability of information to the public ☐
   Consultation on planned measures or river basin management plans*: ☐
   Public involvement ☐
   Other (please specify): [fill in]

Please remember to complete section II for each of the transboundary basins, sub-basin, part of a basin or group of basins. Please also remember to attach copies of agreements or arrangements, if any.

*Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins: [ARPA]

List of the riparian States: [AZERBAIJAN]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [fill in]

Unknown

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [79%]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

- 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(s) or arrangement(s)

Agreement between the Council of Ministers of the USSR and the Council of Ministers of the Azerbaijan SSR on Transfer of Arpa River into Lake Sevan 1962

Agreement or arrangement is under development

No agreement or arrangement

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: [No diplomatic relations]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?

- Yes ☐ No ☐

If yes, does it cover the entire basin or group of basins and all riparian States?

- Yes ☐ No ☐
Additional explanations?[]

Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement?
(Please list): [ ]

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes ☐/No ☐

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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

If one or several water uses or sectors, please list (check as appropriate):

Water uses or sectors

□ Industry

□ Agriculture

□ Transport (e.g., navigation)

□ Households

□ Energy: hydropower and other energy types

□ Fisheries

□ Tourism

□ Nature protection

□ Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

Procedural and institutional issues

□ Dispute and conflict prevention and resolution

□ Institutional cooperation (joint bodies)

□ Consultation on planned measures

□ Mutual assistance

Topics of cooperation

□ Joint vision and management objectives

□ Joint significant water management issues

□ Navigation
Human health
Environmental protection (ecosystem)
Water quality
Water quantity or allocation
Cooperation in addressing floods
Cooperation in addressing droughts
Climate change adaptation

Monitoring and exchange
Joint assessments
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

Joint planning and management
Development of joint regulations on specific topics
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 your country faces with the agreement or arrangement and its implementation, if any?

Aligning implementation of agreement or arrangement with national laws, policies and programmes
Aligning implementation of agreement or arrangement with regional laws, policies and programmes
Lack of financial resources
Insufficient human capacity
Insufficient technical capacity
Tense diplomatic relations
Non-participation of certain riparian countries in the agreement
No significant difficulties
Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [ ]
Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): []

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?
   Yes ☐/No ☐

   If no, why not? (please explain): [fill in]

**Where there is a joint body or mechanism**

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

   - Plenipotentiaries ☐
   - Bilateral commission ☐
   - Basin or similar commission ☐
   - Expert group meeting or meeting of national focal points ☐
   - Other (please describe): []

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?
   Yes ☐/No ☐

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): []

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): []

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

   - No cooperation ☐
   - They have observer status ☐
   - Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

   - A secretariat ☐

   *If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): []

   - A subsidiary body or bodies ☐

   *Please list (e.g., working groups on specific topics): [fill in]

   - Other features (please list): []

(g) What are the tasks and activities of this joint body or mechanism? *

*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
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 warning and alarm procedures
Surveillance and early warning of water related disease
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 or action plans
Management of shared infrastructure
Addressing hydromorphological alterations
Climate change adaptation
Joint communication strategy
Basin-wide or joint public participation and consultation of, for example, basin management plans
Joint resources to support transboundary cooperation
Capacity-building
Any other tasks (please list): [fill in]

(b) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

Governance issues

Please describe, if any: [fill in]
Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes [□] No [□]

If yes, how frequently does it meet?

More than once per year [□]

Once per year [□]

Less than once per year [□]

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes [□] No [□]

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes [□] No [□]

If yes, please provide further details: [□]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction.

Environmental flow norms, including consideration of levels and seasonality
Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals
Water-related species and habitats protection
Other measures (please describe): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
   Yes ☐/No X

   (b) If yes, how often:
       More than once per year ☐
       Once per year ☐
       Less than once per year ☐

   (c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

   (d) If yes, on what subjects are information and data exchanged?
       Environmental conditions ☐
       Research activities and application of best available techniques ☐
       Emission monitoring data ☐
       Planned measures taken to prevent, control or reduce transboundary impacts ☐
       Point source pollution sources ☐
       Diffuse pollution sources ☐
       Existing hydromorphological alterations (dams, etc.) ☐
       Flows or water levels (including groundwater levels) ☐
       Water abstractions ☐
       Climatological information ☐
       Future planned measures with transboundary impacts, such as infrastructure development ☐
       Other subjects (please list): [fill in]
       Other comments, e.g. spatial coverage of data and information exchange: [fill in]

   (e) Is there a shared database or information platform?
       Yes ☐/No ☐

   (f) Is the database publicly available?
       Yes ☐/No ☐

   If yes, please provide the web address: [fill in]

   (g) What are the main difficulties and challenges to data exchange, if applicable?
       Frequency of exchanges ☐
       Timing of exchanges ☐
Comparability of data and information  [ ]
Limited spatial coverage  [ ]
Inadequate resources (technical and/or financial)  [ ]
Other (please describe): [fill in]
Additional comments: [fill in]

(b) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes [ ]/No X

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

<table>
<thead>
<tr>
<th>hydrological</th>
<th>ecological</th>
<th>chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
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</tr>
<tr>
<td>Surface waters in part of the basin</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>please describe [fill in]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transboundary aquifer(s) (connected or unconnected)</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
<tr>
<td>Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

- National monitoring stations connected through a network or common stations [ ]
  Please describe: [fill in]
- Joint and agreed methodologies [ ]
  Please describe: [fill in]
- Joint sampling [ ]
  Please describe: [fill in]
- Common monitoring network [ ]
  Please describe: [fill in]
- Common agreed parameters [ ]
  Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]
(d) Please describe any difficulties experienced with joint monitoring:[fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?
   
   Yes ☒

   *If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]*

9. Have the riparian States agreed to use joint water quality standards?
   
   Yes ☒

   *If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]*

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

   Notification and communication ☐

   Coordinated or jointearly warning or 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 and climate change?

   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 ☐

   Other (please list): [fill in]

   No measures ☒

   *If not, why not? What difficulties does your country face in putting in place such measures?: [No diplomatic relations]*

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, sub-basin, part of a basin or group of basins?

   Yes ☒

   *If yes, how? (please tick all applicable)*
Stakeholders have observer status in a joint body or mechanism
Stakeholders have an advisory role in the joint body
Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism:
[fill in]

- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public
Consultation on planned measures or river basin management plans
Public involvement
Other (please specify): [fill in]

10 Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

**Name of the transboundary basin, sub-basin, part of a basin or group of basins:**
[VOROTAN/BARDUSHAT]

**List of the riparian States:** [AZERBAIJAN]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [fill in]

Unknown

**Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins:** [36%]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?
   - 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(s) or arrangement(s)


Agreement or arrangement is under development

No agreement or arrangement

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: [[No diplomatic relations]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?
   - Yes ☐ 
   - No ☐
If yes, does it cover the entire basin or group of basins and all riparian States?
Yes ☐/No ☐
Additional explanations? [ ]
Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?
Yes ☐/No ☐
Additional explanations? [fill in]
Which States (including your own) are bound by the agreement or arrangement? (Please list): [ ]
(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?
Yes ☐/No ☐
If yes, please list the aquifers covered by the agreement or arrangement: [fill in]
(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 ☐
If one or several water uses or sectors, please list (check as appropriate):
Water uses or sectors
Industry ☐
Agriculture ☐
Transport (e.g., navigation) ☐
Households ☐
Energy: hydropower and other energy types ☐
Fisheries ☐
Tourism ☐
Nature protection ☐
Other (please list): [fill in]
(d) What topics or subjects of cooperation are included in the agreement or arrangement?

Procedural and institutional issues
Dispute and conflict prevention and resolution ☐
Institutional cooperation (joint bodies) ☐
Consultation on planned measures ☐
Mutual assistance ☐
Topics of cooperation
Joint vision and management objectives ☐
Joint significant water management issues
Navigation
Human health
Environmental protection (ecosystem)
Water quality
Water quantity or allocation
Cooperation in addressing floods
Cooperation in addressing droughts
Climate change adaptation

**Monitoring and exchange**

- Joint assessments
- 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

**Joint planning and management**

- Development of joint regulations on specific topics
- 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 your country faces with the agreement or arrangement and its implementation, if any?

- Aligning implementation of agreement or arrangement with national laws, policies and programmes
- Aligning implementation of agreement or arrangement with regional laws, policies and programmes
- Lack of financial resources
- Insufficient human capacity
- Insufficient technical capacity
- Tense diplomatic relations
- Non-participation of certain riparian countries in the agreement
- No significant difficulties
Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? []

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): []

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

   Yes [□]/No [□]

   If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

   Plenipotentiaries [□]
   
   Bilateral commission [□]
   
   Basin or similar commission [□]
   
   Expert group meeting or meeting of national focal points [□]
   
   Other (please describe): []

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

   Yes [□]/No [□]

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): []

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): []

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

   No cooperation [□]
   
   They have observer status [□]
   
   Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

   A secretariat [□]

   If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): []

   A subsidiary body or bodies [□]

   Please list (e.g., working groups on specific topics): [fill in]

   Other features (please list): [ ]
(g) What are the tasks and activities of this joint body or mechanism?\footnote{11}

<table>
<thead>
<tr>
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<td>Capacity-building</td>
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<tr>
<td>Any other tasks (please list): [fill in]</td>
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(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

\footnote{11}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.
Governance issues

Please describe, if any: [fill in]

Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes ☐/No ☐

If yes, how frequently does it meet?

More than once per year ☐

Once per year ☐

Less than once per year ☐

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes ☐/No ☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☐

If yes, please provide further details: [ ]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. ☐
Environmental flow norms, including consideration of levels and seasonality

Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals

Water-related species and habitats protection

Other measures (please describe): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
   Yes ☐/No X

   (b) If yes, how often:
       More than once per year ☐
       Once per year ☐
       Less than once per year ☐

   (c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

   (d) If yes, on what subjects are information and data exchanged?
       Environmental conditions ☐
       Research activities and application of best available techniques ☐
       Emission monitoring data ☐
       Planned measures taken to prevent, control or reduce transboundary impacts ☐
       Point source pollution sources ☐
       Diffuse pollution sources ☐
       Existing hydromorphological alterations (dams, etc.) ☐
       Flows or water levels (including groundwater levels) ☐
       Water abstractions ☐
       Climatological information ☐
       Future planned measures with transboundary impacts, such as infrastructure development ☐
       Other subjects (please list): [fill in]
       Other comments, e.g. spatial coverage of data and information exchange: [fill in]

   (e) Is there a shared database or information platform?
       Yes ☐/No ☐

   (f) Is the database publicly available?
       Yes ☐/No ☐

       If yes, please provide the web address: [fill in]

   (g) What are the main difficulties and challenges to data exchange, if applicable?
(h) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ✗

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

<table>
<thead>
<tr>
<th>Hydrological</th>
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<th>Chemical</th>
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<tr>
<td>please describe [fill in]</td>
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</tr>
<tr>
<td>Transboundary aquifer(s) (connected or unconnected)</td>
<td>☐</td>
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<tr>
<td>Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake</td>
<td>☐</td>
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</tr>
</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations

Please describe: [fill in]

Joint and agreed methodologies

Please describe: [fill in]

Joint sampling

Please describe: [fill in]

Common monitoring network

Please describe: [fill in]

Common agreed parameters

Please describe: [fill in]
(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]

(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

   Yes [X] No

   If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

   Yes [X] No

   If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

    Notification and communication
    Coordinated or joint early warning or alarm system for accidental water pollution
    Other (please list): [fill in]
    No measures [X]

    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 and climate change?

    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
    Other (please list): [fill in]
    No measures [X]

    If not, why not? What difficulties does your country face in putting in place such measures?: [No diplomatic relations]

12. Are procedures in place for mutual assistance in case of a critical situation?

    Yes [X] 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, sub-basin, part of a basin or group of basins?
Yes □/No X

If yes, how? (please tick all applicable)

- Stakeholders have observer status in a joint body or mechanism
- Stakeholders have an advisory role in the joint body
- Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism:

- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public

Consultation on planned measures or river basin management plans

Public involvement

Other (please specify): [fill in]

12 Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

**Name of the transboundary basin, sub-basin, part of a basin or group of basins:** [VOGHJI]

**List of the riparian States:** [AZERBAIJAN]

**In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:**

- Unconfined aquifer connected to a river or lake [ ]
- Unconfined aquifer with no or limited relation with surface water [ ]
- Confined aquifer connected to surface water [ ]
- Confined aquifer with no or limited relation with surface water [ ]
- Other [ ]
  
  Please describe: [fill in]

**Unknown** [ ]

**Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins:** [67%]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

- 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(s) or arrangement(s)*

- Agreement or arrangement is under development [ ]
- No agreement or arrangement X

*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: [No diplomatic relations]*

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?

- Yes [ ] No [ ]

If yes, does it cover the entire basin or group of basins and all riparian States?

- Yes [ ]/No [ ]

Additional explanations?[ ]
Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement?  
(Please list): [ ]

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes ☐/No ☐

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 ☐

If one or several water uses or sectors, please list (check as appropriate):

**Water uses or sectors**

Industry ☐

Agriculture ☐

Transport (e.g., navigation) ☐

Households ☐

Energy: hydropower and other energy types ☐

Fisheries ☐

Tourism ☐

Nature protection ☐

Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

**Procedural and institutional issues**

Dispute and conflict prevention and resolution ☐

Institutional cooperation (joint bodies) ☐

Consultation on planned measures ☐

Mutual assistance ☐

**Topics of cooperation**

Joint vision and management objectives ☐

Joint significant water management issues ☐

Navigation ☐

Human health ☐
Environmental protection (ecosystem) ☐
Water quality ☐
Water quantity or allocation ☐
Cooperation in addressing floods ☐
Cooperation in addressing droughts ☐
Climate change adaptation ☐

**Monitoring and exchange**
- Joint assessments ☐
- 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 ☐

**Joint planning and management**
- Development of joint regulations on specific topics ☐
- 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 your country faces with the agreement or arrangement and its implementation, if any?

- Aligning implementation of agreement or arrangement with national laws, policies and programmes ☐
- Aligning implementation of agreement or arrangement with regional laws, policies and programmes ☐
- Lack of financial resources ☐
- Insufficient human capacity ☐
- Insufficient technical capacity ☐
- Tense diplomatic relations ☐
- Non-participation of certain riparian countries in the agreement ☐
- No significant difficulties ☐
- Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? []
3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

Yes ☐/No ☐

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

Plenipotentiaries ☐
Bilateral commission ☐
Basin or similar commission ☐
Expert group meeting or meeting of national focal points ☐
Other (please describe): [ ]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☐

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [ ]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [ ]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

No cooperation ☐
They have observer status ☐
Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

A secretariat ☐
If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [ ]
A subsidiary body or bodies ☐
Please list (e.g., working groups on specific topics): [fill in]
Other features (please list): [ ]

(g) What are the tasks and activities of this joint body or mechanism?13

13 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
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(b) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

Governance issues

Please describe, if any: [fill in]
Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes ☐/No ☐

If yes, how frequently does it meet?

More than once per year ☐

Once per year ☐

Less than once per year ☐

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes ☐/No ☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☐

If yes, please provide further details: [ ]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction.

☐

Environmental flow norms, including consideration of levels and seasonality

☐
Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals

Water-related species and habitats protection

Other measures (please describe): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
   Yes ☐/No X

   (b) If yes, how often:
      More than once per year ☐
      Once per year ☐
      Less than once per year ☐

   (c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

   (d) If yes, on what subjects are information and data exchanged?
      Environmental conditions ☐
      Research activities and application of best available techniques ☐
      Emission monitoring data ☐
      Planned measures taken to prevent, control or reduce transboundary impacts ☐
      Point source pollution sources ☐
      Diffuse pollution sources ☐
      Existing hydromorphological alterations (dams, etc.) ☐
      Flows or water levels (including groundwater levels) ☐
      Water abstractions ☐
      Climatological information ☐
      Future planned measures with transboundary impacts, such as infrastructure development ☐
      Other subjects (please list): [fill in]
      Other comments, e.g. spatial coverage of data and information exchange: [fill in]

   (e) Is there a shared database or information platform?
      Yes ☐/No ☐

   (f) Is the database publicly available?
      Yes ☐/No ☐

   If yes, please provide the web address: [fill in]

   (g) What are the main difficulties and challenges to data exchange, if applicable?
      Frequency of exchanges ☐
      Timing of exchanges ☐
Comparability of data and information

Limited spatial coverage

Inadequate resources (technical and/or financial)

Other (*please describe*): [fill in]

Additional comments: [fill in]

(b) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (*please describe*): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No X

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

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<td>Surface waters in part of the basin</td>
<td>☐</td>
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<td>please describe [fill in]</td>
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<tr>
<td>Transboundary aquifer(s) (connected or unconnected)</td>
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<tr>
<td>Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake</td>
<td>☐</td>
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</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations

*Please describe*: [fill in]

Joint and agreed methodologies

*Please describe*: [fill in]

Joint sampling

*Please describe*: [fill in]

Common monitoring network

*Please describe*: [fill in]

Common agreed parameters

*Please describe*: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]
(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?
   Yes ☒
   If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?
   Yes ☒
   If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?
    - Notification and communication
    - Coordinated or jointearily warning or 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 and climate change?
    - 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
    - Other (please list): [fill in]
    - No measures ☒
    
    If not, why not? What difficulties does your country face in putting in place such measures?: [No diplomatic relations]

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, sub-basin, part of a basin or group of basins?
    Yes ☒
    If yes, how? (please tick all applicable)
| Stakeholders have observer status in a joint body or mechanism | ✓ |
| Stakeholders have an advisory role in the joint body | ✓ |
| Stakeholders have a decision-making role in the joint body | ✓ |

If yes, please specify the stakeholders for the joint body or mechanism: [fill in]

- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public

Consultation on planned measures or river basin management plans\(^\text{14}\)

Public involvement

Other (please specify): [fill in]

---

\(^{14}\) Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

**Name of the transboundary basin, sub-basin, part of a basin or group of basins:**
[AGHSTEV/AKSTAF]  

**List of the riparian States:** [AZERBAIJAN]  

**In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:**  
- Unconfined aquifer connected to a river or lake  
- Unconfined aquifer with no or limited relation with surface water  
- Confined aquifer connected to surface water  
- Confined aquifer with no or limited relation with surface water  
- Other
   
   Please describe: [fill in]

Unknown  

**Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins:** [31%]

1. **Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?**
   
   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(s) or arrangement(s)

   Agreement or arrangement is under development  
   No agreement or arrangement

   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: **[No diplomatic relations]**

   If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) **Does this agreement or arrangement specify the area subject to cooperation?**
   
   Yes [ ]/No [ ]

   If yes, does it cover the entire basin or group of basins and all riparian States?
Yes [ ]/No [ ]
Additional explanations?[ ]

Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?
Yes [ ]/No [ ]
Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement? *(Please list): [ ]*

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?
Yes [ ]/No [ ]
If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 [ ]

   *If one or several water uses or sectors, please list (check as appropriate):*
   **Water uses or sectors**
   Industry [ ]
   Agriculture [ ]
   Transport (e.g., navigation) [ ]
   Households [ ]
   Energy: hydropower and other energy types [ ]
   Fisheries [ ]
   Tourism [ ]
   Nature protection [ ]
   Other *(please list): [fill in]*

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

   **Procedural and institutional issues**
   Dispute and conflict prevention and resolution [ ]
   Institutional cooperation (joint bodies) [ ]
   Consultation on planned measures [ ]
   Mutual assistance [ ]

   **Topics of cooperation**
   Joint vision and management objectives [ ]
   Joint significant water management issues [ ]
<table>
<thead>
<tr>
<th>Topic</th>
<th>Status</th>
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<tbody>
<tr>
<td>Navigation</td>
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<tr>
<td>Human health</td>
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<tr>
<td>Environmental protection (ecosystem)</td>
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<td>Water quality</td>
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<tr>
<td>Other <em>(please list)</em>: [fill in]</td>
<td></td>
</tr>
</tbody>
</table>

(e) What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any?

- Aligning implementation of agreement or arrangement with national laws, policies and programmes
- Aligning implementation of agreement or arrangement with regional laws, policies and programmes
- Lack of financial resources
- Insufficient human capacity
- Insufficient technical capacity
- Tense diplomatic relations
- Non-participation of certain riparian countries in the agreement
- No significant difficulties
- Other *(please describe)*: [fill in]
(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? []

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [ ]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

Yes ☐/No ☐

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

- Plenipotentiaries ☐
- Bilateral commission ☐
- Basin or similar commission ☐
- Expert group meeting or meeting of national focal points ☐
- Other (please describe): [ ]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☐

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [ ]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [ ]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

- No cooperation ☐
- They have observer status ☐
- Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

- A secretariat ☐

If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [ ]

- A subsidiary body or bodies ☐

Please list (e.g., working groups on specific topics): [fill in]

Other features (please list): [ ]
What are the tasks and activities of this joint body or mechanism?\footnote{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.}

- 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 warning and alarm procedures
- Surveillance and early warning of water related disease
- 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 or action plans
- Management of shared infrastructure
- Addressing hydromorphological alterations
- Climate change adaptation
- Joint communication strategy
- Basin-wide or joint public participation and consultation of, for example, basin management plans
- Joint resources to support transboundary cooperation
- Capacity-building

Any other tasks (please list): [fill in]

What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?
Governance issues

Please describe, if any: [fill in]

Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes ☐/No ☐

If yes, how frequently does it meet?

More than once per year ☐

Once per year ☐

Less than once per year ☐

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes ☐/No ☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?[ ]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☐

If yes, please provide further details: [ ]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. ☐
Environmental flow norms, including consideration of levels and seasonality

Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals

Water-related species and habitats protection

Other measures (please describe): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
Yes ☐/No X

(b) If yes, how often:
   - More than once per year ☐
   - Once per year ☐
   - Less than once per year ☐

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?
   - Environmental conditions ☐
   - Research activities and application of best available techniques ☐
   - Emission monitoring data ☐
   - Planned measures taken to prevent, control or reduce transboundary impacts ☐
   - Point source pollution sources ☐
   - Diffuse pollution sources ☐
   - Existing hydromorphological alterations (dams, etc.) ☐
   - Flows or water levels (including groundwater levels) ☐
   - Water abstractions ☐
   - Climatological information ☐
   - Future planned measures with transboundary impacts, such as infrastructure development ☐
   - Other subjects (please list): [fill in]
   - Other comments, e.g. spatial coverage of data and information exchange: [fill in]

(e) Is there a shared database or information platform?
Yes ☐/No ☐

(f) Is the database publicly available?
Yes ☐/No ☐

If yes, please provide the web address: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?
7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☒

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

<table>
<thead>
<tr>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
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<tbody>
<tr>
<td>Border surface waters</td>
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<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
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<tr>
<td>Surface waters on the main watercourse</td>
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<tr>
<td>Surface waters in part of the basin</td>
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<td>please describe [fill in]</td>
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<td>☐</td>
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</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations ☐

Please describe: [fill in]

Joint and agreed methodologies ☐

Please describe: [fill in]

Joint sampling ☐

Please describe: [fill in]

Common monitoring network ☐

Please describe: [fill in]

Common agreed parameters ☐

Please describe: [fill in]
(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]

(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☑ No ☐

*If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]*

9. Have the riparian States agreed to use joint water quality standards?

Yes ☑ No ☐

*If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]*

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

- Notification and communication ☐
- Coordinated or joint early warning 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 and climate change?

- 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 ☐
- 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, sub-basin, part of a basin or group of basins?
Yes ☐/No X

If yes, how? (please tick all applicable)

☐ Stakeholders have observer status in a joint body or mechanism
☐ Stakeholders have an advisory role in the joint body
☐ Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism:
[fill in]

☐ Intergovernmental organizations
☐ Private sectors organizations or associations
☐ Water user groups or associations
☐ Academic or research institutions
☐ Other non-governmental organizations
☐ General public
☐ Other (please specify): [fill in]

Availability of information to the public

Consultation on planned measures or river basin management plans\(^{16}\)

Public involvement

Other (please specify): [fill in]

\(^{16}\) Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins:

[HERHER, MALISHKIN, AND JERMUK AQUIFER]

List of the riparian States:

[azerbaijan]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [Volcanic rocks of Upper and Middle Eocene age; weak links with surface water.]

Unknown

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [N/A]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

- 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(s) or arrangement(s)

- Agreement or arrangement is under development
- No agreement or arrangement

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: [No diplomatic relations]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?

- Yes [X] Yes
- No

If yes, does it cover the entire basin or group of basins and all riparian States?

- Yes
- No
Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement? (Please list): [ ]

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes ☐/No ☐

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 ☐

If one or several water uses or sectors, please list (check as appropriate):

Water uses or sectors

Industry ☐
Agriculture ☐
Transport (e.g., navigation) ☐
Households ☐
Energy: hydropower and other energy types ☐
Fisheries ☐
Tourism ☐
Nature protection ☐
Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

Procedural and institutional issues
Dispute and conflict prevention and resolution ☐
Institutional cooperation (joint bodies) ☐
Consultation on planned measures ☐
Mutual assistance ☐

Topics of cooperation
Joint vision and management objectives ☐
Joint significant water management issues ☐
Navigation ☐
<table>
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<tr>
<th>Category</th>
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<tbody>
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<td>Human health</td>
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(e) What are the main difficulties and challenges that your country faces with the agreement or arrangement and its implementation, if any?

- Aligning implementation of agreement or arrangement with national laws, policies and programmes
- Aligning implementation of agreement or arrangement with regional laws, policies and programmes
- Lack of financial resources
- Insufficient human capacity
- Insufficient technical capacity
- Tense diplomatic relations
- Non-participation of certain riparian countries in the agreement
- No significant difficulties
- Other *(please describe)*: [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? []
(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [ ]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?
Yes ☐/No ☐

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?

- Plenipotentiaries ☐
- Bilateral commission ☐
- Basin or similar commission ☐
- Expert group meeting or meeting of national focal points ☐
- Other (please describe): [ ]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?
Yes ☐/No ☐

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [ ]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [ ]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

- No cooperation ☐
- They have observer status ☐
- Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?

- A secretariat ☐

  If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [ ]

- A subsidiary body or bodies ☐

  Please list (e.g., working groups on specific topics): [fill in]

- Other features (please list): [ ]

(g) What are the tasks and activities of this joint body or mechanism?17

17This 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
<table>
<thead>
<tr>
<th>Task Description</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification of pollution sources</td>
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<tr>
<td>Data collection and exchange</td>
<td></td>
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<tr>
<td>Joint monitoring</td>
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<tr>
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<td></td>
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<tr>
<td>Setting emission limits</td>
<td></td>
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<tr>
<td>Elaboration of joint water quality objectives</td>
<td></td>
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<tr>
<td>Management and prevention of flood or drought risks</td>
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<tr>
<td>Preparedness for extreme events, e.g., common early warning and alarm procedures</td>
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</tr>
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<tr>
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<td>Joint communication strategy</td>
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<td>Basin-wide or joint public participation and consultation of, for example, basin management plans</td>
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<td>Joint resources to support transboundary cooperation</td>
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</tr>
<tr>
<td>Capacity-building</td>
<td></td>
</tr>
<tr>
<td>Any other tasks (please list): [fill in]</td>
<td></td>
</tr>
</tbody>
</table>

(b) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

Governance issues

Please describe, if any: [fill in]
Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes ☐ / No ☐

If yes, how frequently does it meet?

More than once per year ☐

Once per year ☐

Less than once per year ☐

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes ☐ / No ☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?[ ]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☐ / No ☒

If yes, please provide further details: [ ]

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. ☐

Environmental flow norms, including consideration of levels and seasonality ☐
Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals
Water-related species and habitats protection
Other measures (please describe): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?
Yes ☐/No ☒

(b) If yes, how often:
More than once per year
Once per year
Less than once per year

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?
Environmental conditions
Research activities and application of best available techniques
Emission monitoring data
Planned measures taken to prevent, control or reduce transboundary impacts
Point source pollution sources
Diffuse pollution sources
Existing hydromorphological alterations (dams, etc.)
Flows or water levels (including groundwater levels)
Water abstractions
Climatological information
Future planned measures with transboundary impacts, such as infrastructure development
Other subjects (please list): [fill in]
Other comments, e.g. spatial coverage of data and information exchange: [fill in]

(e) Is there a shared database or information platform?
Yes ☐/No ☐

(f) Is the database publicly available?
Yes ☐/No ☐

If yes, please provide the web address: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?
Frequency of exchanges
Timing of exchanges
Comparability of data and information □
Limited spatial coverage □
Inadequate resources (technical and/or financial) □
Other (please describe): [fill in]
Additional comments: [fill in]

(b) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes □/No X

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

<table>
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<tr>
<th>Hydrological</th>
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</tr>
<tr>
<td>please describe [fill in]</td>
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<td>□</td>
</tr>
</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

- National monitoring stations connected through a network or common stations □
- Please describe: [fill in]
- Joint and agreed methodologies □
- Please describe: [fill in]
- Joint sampling □
- Please describe: [fill in]
- Common monitoring network □
- Please describe: [fill in]
- Common agreed parameters □
- Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]
8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☒ ☒

If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

Yes ☒ ☒

If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

- Notification and communication ☐
- Coordinated or joint early warning or 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 and climate change?

- 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 ☐
- 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, sub-basin, part of a basin or group of basins?

Yes ☒/No ☒

If yes, how? (please tick all applicable)
Stakeholders have observer status in a joint body or mechanism
Stakeholders have an advisory role in the joint body
Stakeholders have a decision-making role in the joint body

If yes, please specify the stakeholders for the joint body or mechanism:
[fill in]

- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public
Consultation on planned measures or river basin management plans\(^{18}\)
Public involvement
Other (please specify): [fill in]

\(^{18}\) Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins: [VOROTAN-AKORA AQUIFER]

List of the riparian States: [AZERBAIJAN]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [Weak links with surface water]

Unknown

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [N/A]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?
   - 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(s) or arrangement(s)

   - Agreement or arrangement is under development
   - No agreement or arrangement

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: [No diplomatic relations]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?
   - Yes [No]

   If yes, does it cover the entire basin or group of basins and all riparian States?
   - Yes [No]

   Additional explanations?[ ]
Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement? (Please list): [ ]

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes ☐/No ☐

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 ☐

If one or several water uses or sectors, please list (check as appropriate):

Water uses or sectors

Industry ☐
Agriculture ☐
Transport (e.g., navigation) ☐
Households ☐
Energy: hydropower and other energy types ☐
Fisheries ☐
Tourism ☐
Nature protection ☐
Other (please list): [fill in] ☐

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

Procedural and institutional issues

Dispute and conflict prevention and resolution ☐
Institutional cooperation (joint bodies) ☐
Consultation on planned measures ☐
Mutual assistance ☐

Topics of cooperation

Joint vision and management objectives ☐
Joint significant water management issues ☐
Navigation ☐
Human health ☐
Environmental protection (ecosystem)  
Water quality  
Water quantity or allocation  
Cooperation in addressing floods  
Cooperation in addressing droughts  
Climate change adaptation  

**Monitoring and exchange**  
Joint assessments  
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  

**Joint planning and management**  
Development of joint regulations on specific topics  
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 your country faces with the agreement or arrangement and its implementation, if any?  
Aligning implementation of agreement or arrangement with national laws, policies and programmes  
Aligning implementation of agreement or arrangement with regional laws, policies and programmes  
Lack of financial resources  
Insufficient human capacity  
Insufficient technical capacity  
Tense diplomatic relations  
Non-participation of certain riparian countries in the agreement  
No significant difficulties  
Other (*please describe*): [fill in]  

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? []
(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [ ]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?
Yes ☐/No ☐

If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?
- Plenipotentiaries ☐
- Bilateral commission ☐
- Basin or similar commission ☐
- Expert group meeting or meeting of national focal points ☐
- Other (please describe): [ ]

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?
Yes ☐/No ☐

(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [ ]

(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): [ ]

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?
   - No cooperation ☐
   - They have observer status ☐
   - Other (please describe): [fill in]

(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?
   - A secretariat ☐
     - If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): [ ]
   - A subsidiary body or bodies ☐
     - Please list (e.g., working groups on specific topics): [fill in]
   - Other features (please list): [ ]

(g) What are the tasks and activities of this joint body or mechanism?19

19This 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
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 warning and alarm procedures
Surveillance and early warning of water related disease
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 or action plans
Management of shared infrastructure
Addressing hydromorphological alterations
Climate change adaptation
Joint communication strategy
Basin-wide or joint public participation and consultation of, for example, basin management plans
Joint resources to support transboundary cooperation
Capacity-building
Any other tasks (please list): [fill in]

(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

Governance issues

Please describe, if any: [fill in]

included.
Unexpected planning delays

$Lack of resources$

$Lack of mechanism for implementing measures$

$Lack of effective measures$

Unexpected extreme events

Lack of information and reliable forecasts

Others (please list and describe, as appropriate): 

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes $\square$/No $\square$

If yes, how frequently does it meet?

More than once per year $\square$

Once per year $\square$

Less than once per year $\square$

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes $\square$/No $\square$

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes $\square$/No $\square$

If yes, please provide further details:

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction $\square$

Environmental flow norms, including consideration of levels and seasonality $\square$
Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals

Water-related species and habitats protection

Other measures (*please describe*): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?

Yes [ ]/No X

(b) If yes, how often:

  - More than once per year
  - Once per year
  - Less than once per year

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?

  - Environmental conditions
  - Research activities and application of best available techniques
  - Emission monitoring data
  - Planned measures taken to prevent, control or reduce transboundary impacts
  - Point source pollution sources
  - Diffuse pollution sources
  - Existing hydromorphological alterations (dams, etc.)
  - Flows or water levels (including groundwater levels)
  - Water abstractions
  - Climatological information
  - Future planned measures with transboundary impacts, such as infrastructure development
  - Other subjects (*please list*): [fill in]

(e) What are the main difficulties and challenges to data exchange, if applicable?

Yes [ ]/No [ ]

(f) Is the database publicly available?

Yes [ ]/No [ ]

*If yes, please provide the web address*: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?

Frequency of exchanges

Timing of exchanges
Comparability of data and information □
Limited spatial coverage □
Inadequate resources (technical and/or financial) □
Other (please describe): [fill in]
Additional comments: [fill in]

(b) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes □/No X

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

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</table>

(b) If joint monitoring is carried out, how is this done?

- National monitoring stations connected through a network or common stations □
- Please describe: [fill in]
- Joint and agreed methodologies □
- Please describe: [fill in]
- Joint sampling □
- Please describe: [fill in]
- Common monitoring network □
- Please describe: [fill in]
- Common agreed parameters □
- Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]
(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

   Yes ☒

   If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

   Yes ☒

   If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

    Notification and communication ☐

    Coordinated or joint early warning or 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 and climate change?

    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 ☐

    Other (please list): [fill in]

    No measures ☒

    If not, why not? What difficulties does your country face in putting in place such measures?: [No diplomatic relations]

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, sub-basin, part of a basin or group of basins?

    Yes ☒

    If yes, how? (please tick all applicable)
Stakeholders have observer status in a joint body or mechanism ☐
Stakeholders have an advisory role in the joint body ☐
Stakeholders have a decision-making role in the joint body ☐

If yes, please specify the stakeholders for the joint body or mechanism:
[fill in]

- Intergovernmental organizations ☐
- Private sectors organizations or associations ☐
- Water user groups or associations ☐
- Academic or research institutions ☐
- Other non-governmental organizations ☐
- General public ☐
- Other (please specify): [fill in]

Availability of information to the public ☐

Consultation on planned measures or river basin management plans\(^{20}\) ☐

Public involvement ☐

Other (please specify): [fill in]

\(^{20}\) Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins:
[LENINAKAN-SHIRAKS AQUIFER]

List of the riparian States: [TURKEY]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake [ ]
- Unconfined aquifer with no or limited relation with surface water [ ]
- Confined aquifer connected to surface water [ ]
- Confined aquifer with no or limited relation with surface water [ ]
- Other [ ]

Please describe: [Medium connection with surface water]

Unknown [ ]

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [N/A]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

- 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(s) or arrangement(s)*

- Agreement or arrangement is under development [ ]
- No agreement or arrangement [X]

*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: [No diplomatic relations]*

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?

- Yes [ ] No [ ]

If yes, does it cover the entire basin or group of basins and all riparian States?

- Yes [ ] No [ ]
Additional explanations?[ ]

Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

Additional explanations?[fill in]

Which States (including your own) are bound by the agreement or arrangement? *(Please list): [ ]*

(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?

Yes ☐/No ☐

If yes, please list the aquifers covered by the agreement or arrangement: [fill in]

(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 ☐

*If one or several water uses or sectors, please list (check as appropriate):*

**Water uses or sectors**

- Industry ☐
- Agriculture ☐
- Transport (e.g., navigation) ☐
- Households ☐
- Energy: hydropower and other energy types ☐
- Fisheries ☐
- Tourism ☐
- Nature protection ☐
- Other *(please list)*: [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement?

**Procedural and institutional issues**

- Dispute and conflict prevention and resolution ☐
- Institutional cooperation (joint bodies) ☐
- Consultation on planned measures ☐
- Mutual assistance ☐

**Topics of cooperation**

- Joint vision and management objectives ☐
- Joint significant water management issues ☐
- Navigation ☐
Human health
Environmental protection (ecosystem)
Water quality
Water quantity or allocation
Cooperation in addressing floods
Cooperation in addressing droughts
Climate change adaptation

Monitoring and exchange
Joint assessments
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

Joint planning and management
Development of joint regulations on specific topics
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 your country faces with the agreement or arrangement and its implementation, if any?
   - Aligning implementation of agreement or arrangement with national laws, policies and programmes
   - Aligning implementation of agreement or arrangement with regional laws, policies and programmes
   - Lack of financial resources
   - Insufficient human capacity
   - Insufficient technical capacity
   - Tense diplomatic relations
   - Non-participation of certain riparian countries in the agreement
   - No significant difficulties
   Other (please describe): [fill in]

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? []
(g) Please attach a copy of the agreement or arrangement or provide the web address of the document (please attach document or insert web address, if applicable): [ ]

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?
Yes ☐/No ☐
If no, why not? (please explain): [fill in]

Where there is a joint body or mechanism
(a) If there is a joint body or mechanism, which kind of joint body or mechanism (please tick one)?
   Plenipotentiaries ☐
   Bilateral commission ☐
   Basin or similar commission ☐
   Expert group meeting or meeting of national focal points ☐
   Other (please describe): []
(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?
Yes ☐/No ☐
(c) Which States (including your own) are members of the joint body or mechanism? (Please list): [ ]
(d) Are there any riparian States that are not members of the joint body or mechanism? (please list): []
(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?
   No cooperation ☐
   They have observer status ☐
   Other (please describe): [fill in]
(f) Does the joint body or mechanism have any of the following features (please tick the ones applicable)?
   A secretariat ☐
   If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? (Please describe): []
   A subsidiary body or bodies ☐
   Please list (e.g., working groups on specific topics): [fill in]
   Other features (please list): []
(g) What are the tasks and activities of this joint body or mechanism?^{21}

^{21} 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
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 warning and alarm procedures
Surveillance and early warning of water related disease
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 or action plans
Management of shared infrastructure
Addressing hydromorphological alterations
Climate change adaptation
Joint communication strategy
Basin-wide or joint public participation and consultation of, for example, basin management plans
Joint resources to support transboundary cooperation
Capacity-building
Any other tasks (please list): [fill in]

(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

Governance issues

Please describe, if any: [fill in]

included.
Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes ☐/No ☐

If yes, how frequently does it meet?

More than once per year ☐

Once per year ☐

Less than once per year ☐

(j) What are the main achievements with regards to the joint body or mechanism?[]

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes ☐/No ☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?[ ]

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☒

If yes, please provide further details: []

5. How is the transboundary basin, sub-basin, part of a basin or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. ☐

Environmental flow norms, including consideration of levels and seasonality ☐
Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals

Water-related species and habitats protection

Other measures (please describe): [No diplomatic relations]

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins? Yes ☐/No ☒

(b) If yes, how often:
   - More than once per year ☐
   - Once per year ☐
   - Less than once per year ☐

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?
   - Environmental conditions ☐
   - Research activities and application of best available techniques ☐
   - Emission monitoring data ☐
   - Planned measures taken to prevent, control or reduce transboundary impacts ☐
   - Point source pollution sources ☐
   - Diffuse pollution sources ☐
   - Existing hydromorphological alterations (dams, etc.) ☐
   - Flows or water levels (including groundwater levels) ☐
   - Water abstractions ☐
   - Climatological information ☐
   - Future planned measures with transboundary impacts, such as infrastructure development ☐
   - Other subjects (please list): [fill in]
   - Other comments, e.g. spatial coverage of data and information exchange: [fill in]

(e) Is there a shared database or information platform? Yes ☒/No ☐

(f) Is the database publicly available? Yes ☒/No ☐

If yes, please provide the web address: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?
   - Frequency of exchanges ☐
   - Timing of exchanges ☐
Comparability of data and information □
Limited spatial coverage □
Inadequate resources (technical and/or financial) □
Other (please describe): [fill in]
Additional comments: [fill in]

(b) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes □/No X

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

<table>
<thead>
<tr>
<th></th>
<th>Hydrological</th>
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<th>Chemical</th>
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<tr>
<td>please describe [fill in]</td>
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<td></td>
</tr>
<tr>
<td>Transboundary aquifer(s) (connected or unconnected)</td>
<td>□</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquifer(s) in the territory of one riparian hydraulically connected to a transboundary river or lake</td>
<td>□</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations □

Please describe: [fill in]

Joint and agreed methodologies □

Please describe: [fill in]

Joint sampling □

Please describe: [fill in]

Common monitoring network □

Please describe: [fill in]

Common agreed parameters □

Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]
(d) Please describe any difficulties experienced with joint monitoring:[fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☒

If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

Yes ☒

If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

- Notification and communication ☐
- Coordinated or jointearly warning or 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 and climate change?

- 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 ☐
- Other (please list): [fill in]
- No measures ☒

If not, why not? What difficulties does your country face in putting in place such measures?: [No diplomatic relations]

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, sub-basin, part of a basin or group of basins?

Yes ☒

If yes, how? (please tick all applicable)
Stakeholders have observer status in a joint body or mechanism  □
Stakeholders have an advisory role in the joint body  □
Stakeholders have a decision-making role in the joint body  □

*If yes, please specify the stakeholders for the joint body or mechanism:*
[fill in]

- Intergovernmental organizations
- Private sectors organizations or associations
- Water user groups or associations
- Academic or research institutions
- Other non-governmental organizations
- General public
- Other (please specify): [fill in]

Availability of information to the public  □
Consultation on planned measures or river basin management plans  □
Public involvement  □

*Other (please specify): [fill in]*

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22 Or, where applicable, aquifer management plans.
Please reproduce this whole section with its questions for each transboundary basin, sub-basin, part of a basin or group of basins for which you will provide a reply.

Name of the transboundary basin, sub-basin, part of a basin or group of basins: [DEBED AQUIFER]

List of the riparian States: [GEORGIA]

In the case of an aquifer, what is the nature of the aquifer and its relation with the river or lake basin:

- Unconfined aquifer connected to a river or lake
- Unconfined aquifer with no or limited relation with surface water
- Confined aquifer connected to surface water
- Confined aquifer with no or limited relation with surface water
- Other

Please describe: [Alluvial aquifer upper part of the basin and volcanic-sedimentary rocks Medium links with surface water]

Percentage of your country’s territory within the basin, sub-basin, part of a basin or group of basins: [N/A]

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin, sub-basin, part of a basin or group of basins?

   - 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(s) or arrangement(s)

   - Agreement or arrangement is under development
   - No agreement or arrangement

   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: [Regional EU Water Initiative plus project facilitates the cooperation between Armenia and Georgia towards management and protection of Khrami/Debed transboundary river basin. Two countries decided to cooperate in bilateral surface water quality monitoring of the basin, which will in the future highly support the process of the development of river basin management plan.]

If there is no agreement or arrangement and no joint body or mechanism for the transboundary basin, sub-basin, part of a basin or group of basins then jump to question 4; if there is no agreement or arrangement, but a joint body or mechanism 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, sub-basin, part of a basin or group of basins.

2. (a) Does this agreement or arrangement specify the area subject to cooperation?
Yes ☐/No ☐
If yes, does it cover the entire basin or group of basins and all riparian States?
Yes ☐/No ☐
Additional explanations?[ ]
Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?
Yes ☐/No ☐
Additional explanations?[fill in]
Which States (including your own) are bound by the agreement or arrangement? (Please list): [ ]
(b) If the agreement or arrangement relates to a river or lake basin or sub-basin, does it also cover aquifers?
Yes ☐/No ☐
If yes, please list the aquifers covered by the agreement or arrangement: [fill in]
(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 ☐
If one or several water uses or sectors, please list (check as appropriate):
Water uses or sectors
Industry ☐
Agriculture ☐
Transport (e.g., navigation) ☐
Households ☐
Energy: hydropower and other energy types ☐
Fisheries ☐
Tourism ☐
Nature protection ☐
Other (please list): [fill in]
(d) What topics or subjects of cooperation are included in the agreement or arrangement?
Procedural and institutional issues
Dispute and conflict prevention and resolution ☐
Institutional cooperation (joint bodies) ☐
Consultation on planned measures ☐
Mutual assistance ☐
Topics of cooperation
Joint vision and management objectives
Joint significant water management issues
Navigation
Human health
Environmental protection (ecosystem)
Water quality
Water quantity or allocation
Cooperation in addressing floods
Cooperation in addressing droughts
Climate change adaptation

**Monitoring and exchange**

Joint assessments
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

**Joint planning and management**

Development of joint regulations on specific topics
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 your country faces with the agreement or arrangement and its implementation, if any?

Aligning implementation of agreement or arrangement with national laws, policies and programmes

Aligning implementation of agreement or arrangement with regional laws, policies and programmes

Lack of financial resources

Insufficient human capacity

Insufficient technical capacity

Tense diplomatic relations

Non-participation of certain riparian countries in the agreement
No significant difficulties □

Other *(please describe): [fill in]*

(f) What are the main achievements in implementing the agreement or arrangement and what were the keys to achieving such success? [ ]

(g) Please attach a copy of the agreement or arrangement or provide the web address of the document *(please attach document or insert web address, if applicable): [ ]*

3. Is your country a member of any joint body or mechanism for this agreement or arrangement?

Yes □/No □

*If no, why not? *(please explain): [fill in]*

Where there is a joint body or mechanism

(a) If there is a joint body or mechanism, which kind of joint body or mechanism *(please tick one)?*

- Plenipotentiaries □
- Bilateral commission □
- Basin or similar commission □
- Expert group meeting or meeting of national focal points □
- Other *(please describe): [ ]*

(b) Does the joint body or mechanism cover the entire transboundary basin, sub-basin, part of a basin or group of basins?

Yes □/No □

(c) Which States (including your own) are members of the joint body or mechanism? *(Please list): [ ]*

(d) Are there any riparian States that are not members of the joint body or mechanism? *(please list): [ ]*

(e) If not all riparian States are members of the joint body or mechanism how does the joint body or mechanism cooperate with them?

- No cooperation □
- They have observer status □
- Other *(please describe): [fill in]*

(f) Does the joint body or mechanism have any of the following features *(please tick the ones applicable)?*

- A secretariat □
  *If the secretariat is a permanent one, is it a joint secretariat or does each country host its own secretariat? *(Please describe): [ ]*
- A subsidiary body or bodies □
  *Please list (e.g., working groups on specific topics): [fill in]*
- Other features *(please list): [ ]*
(g) What are the tasks and activities of this joint body or mechanism?23

- 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 warning and alarm procedures
- Surveillance and early warning of water related disease
- 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 or action plans
- Management of shared infrastructure
- Addressing hydromorphological alterations
- Climate change adaptation
- Joint communication strategy
- Basin-wide or joint public participation and consultation of, for example, basin management plans
- Joint resources to support transboundary cooperation
- Capacity-building

Any other tasks (please list): [fill in]

(h) What are the main difficulties and challenges that your country faces with the operation of the joint body or mechanism, if any?

---

23 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.
Governance issues

Please describe, if any: [fill in]

Unexpected planning delays

Please describe, if any: [fill in]

Lack of resources

Please describe, if true: [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

Please describe, if any: [fill in]

Lack of information and reliable forecasts

Please describe, if any: [fill in]

Others (please list and describe, as appropriate): [fill in]

(i) Does the joint body or mechanism, or its subsidiary bodies meet regularly?

Yes ☐/No ☐

If yes, how frequently does it meet?

More than once per year ☐

Once per year ☐

Less than once per year ☐

(j) What are the main achievements with regards to the joint body or mechanism?

(k) Did the joint body or mechanism ever invite a non-riparian coastal State to cooperate?

Yes ☐/No ☐

If yes, please give details. If no, why not, e.g. are the relevant coastal States also riparian States and therefore already members of the joint body or mechanism?

4. Have joint objectives, a common strategy, a joint or coordinated management plan or action plan been agreed for the basin, sub-basin, part of a basin or group of basins?

Yes ☑/No ☐

If yes, please provide further details: [Regional EU Water Initiative plus project facilitates the cooperation between Armenia and Georgia towards management and protection of Krhami/Debed transboundary river basin. Two countries decided to cooperate in bilateral surface water quality monitoring of the basin, which will in the future highly support the process of the development of river basin management plan.]
5. How is the transboundary basin, sub-basin, part of a basins or group of basins protected, including the protection of ecosystems, in the context of sustainable and rational water use?

Regulation of urbanization, deforestation, and sand and gravel extraction. ☐

Environmental flow norms, including consideration of levels and seasonality ☐

Water quality protection, e.g. nitrates, pesticides, faecal coliforms, heavy metals X

Water-related species and habitats protection ☐

Other measures *(please describe)*: []

6. (a) Does your country regularly exchange information and data with other riparian States in the basin, sub-basin, part of a basin or group of basins?

Yes ☑/No ☐

(b) If yes, how often:

More than once per year ☐

Once per year ☐

Less than once per year ☐

(c) Please describe how information is exchanged (e.g. in connection with meetings of joint bodies): [fill in]

(d) If yes, on what subjects are information and data exchanged?

Environmental conditions ☐

Research activities and application of best available techniques ☐

Emission monitoring data ☐

Planned measures taken to prevent, control or reduce transboundary impacts ☐

Point source pollution sources ☐

Diffuse pollution sources ☐

Existing hydromorphological alterations (dams, etc.) ☐

Flows or water levels (including groundwater levels) ☐

Water abstractions ☐

Climatological information ☐

Future planned measures with transboundary impacts, such as infrastructure development ☐

Other subjects *(please list)*: [fill in]

Other comments, e.g. spatial coverage of data and information exchange: [fill in]

(e) Is there a shared database or information platform?

Yes ☑/No ☐
(f) Is the database publicly available?

Yes ☐/No ☐

If yes, please provide the web address: [fill in]

(g) What are the main difficulties and challenges to data exchange, if applicable?

Frequency of exchanges ☐
Timing of exchanges ☐
Comparability of data and information ☐
Limited spatial coverage ☐
Inadequate resources (technical and/or financial) ☐

Other (please describe): [fill in]

Additional comments: [fill in]

(h) What are the main benefits of data exchange on the basin, sub-basin, part of a basin or group of basins? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☐/No ☒

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

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</tbody>
</table>

(b) If joint monitoring is carried out, how is this done?

National monitoring stations connected through a network or common stations ☐

Please describe: [fill in]

Joint and agreed methodologies ☐

Please describe: [fill in]

Joint sampling ☐

Please describe: [fill in]
Common monitoring network
Please describe: [fill in]
Common agreed parameters
Please describe: [fill in]

(c) Please describe the main achievements regarding joint monitoring, if any: [fill in]

(d) Please describe any difficulties experienced with joint monitoring: [fill in]

8. Do the riparian States carry out joint assessment of the transboundary basin, sub-basin, part of a basin or group of basins?

Yes ☑ No ☐

If yes, please provide the date of the last or only assessment, the frequency and scope (e.g., surface waters or groundwaters only, pollution sources, etc.) of the assessment, and assessment methodology applied: [fill in]

9. Have the riparian States agreed to use joint water quality standards?

Yes ☑ No ☐

If yes, what standards have been applied, e.g. international or regional standards (please specify which), or have national standards of the riparian States been applied? [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution?

Notification and communication ☐
Coordinated or joint early warning or 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 and climate change?

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 ☐
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, sub-basin, part of a basin or group of basins?

Yes ☐/No ☒

If yes, how? (please tick all applicable)

- Stakeholders have observer status in a joint body or mechanism ☐
- Stakeholders have an advisory role in the joint body ☐
- Stakeholders have a decision-making role in the joint body ☐

If yes, please specify the stakeholders for the joint body or mechanism: [fill in]

- Intergovernmental organizations ☐
- Private sectors organizations or associations ☐
- Water user groups or associations ☐
- Academic or research institutions ☐
- Other non-governmental organizations ☐
- General public ☐
- Other (please specify): [fill in] ☐

Availability of information to the public ☐

Consultation on planned measures or river basin management plans\(^\text{24}\) ☐

Public involvement ☐

Other (please specify): [fill in] ☐

\(^\text{24}\) Or, where applicable, aquifer management plans.
III. Water management at the national level

In this section, you are requested to provide general information on water management at the national level as it relates to transboundary waters. Information on specific transboundary basins, sub-basins, part of basins and groups of basins, should be presented in section II and not repeated here.

1. (a) Does your country’s national legislation, policies, action plans and strategies refer to measures to prevent, control and reduce any transboundary impact?

   Yes X/No □

   If yes, please briefly describe the main national laws, policies, action plans and strategies [2002 Water Code of the Republic of Armenia is the main legislation that regulates the use and protection of transboundary water resources.]

   (b) Does your country’s legislation provide for the following principles?

   Precautionary principle Yes □/No □
   Polluter pays principle Yes □/No □
   Sustainable development Yes X/No □
   User pays principle Yes X/No □

   If yes, please briefly describe how these principles are implemented at the national level: [The Water Code states, that the norms defined by the present Code are applied over the transboundary water resources originating within the territory of the Republic of Armenia before crossing the state frontier of the Republic of Armenia. The conditions of use and protection of transboundary water resources on the frontier of the Republic of Armenia shall be established by inter-state agreements and (or) treaties between the Republic of Armenia and neighboring countries. Solution of operational problems for joint use and protection of transboundary water resources shall be implemented by permanent inter-state committees. The composition of the Commission of the Republic of Armenia shall be approved by the Prime Minister of the Republic of Armenia. The Commission of the Republic of Armenia of Transboundary Water Resources, in cooperation with the corresponding Commissions of neighboring countries, has the following authorities and obligations in implementing the solution of operational problems regarding use and protection of transboundary water resources:

   1) Draws up and submits to the Government drafts of inter-state agreements;

   2) Draws up and submits to the Government proposals on establishing joint permanent inter-state commissions for operation of transboundary water systems;

   3) Informs the authorized bodies of the Republic of Armenia in the established order on the transboundary impacts;

   4) Presents the decisions of the Permanent Inter-State Committee to the Water Systems Management Body;

   5) In the established order, submits to the authorized bodies of the Republic of Armenia the issues brought up at the Permanent Inter-State Committee, which are not regulated by inter-state agreements and (or) treaties, and require appropriate solutions;]
6) In the established order, presents to the authorized bodies of the Republic of Armenia the disputes occurred in the Permanent Inter-State Committee.

(c) 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 X/No □

If yes, for which sectors?

Industry X
Mining X
Energy X
Municipal X
Livestock raising X
Aquaculture X

Other (please list): [fill in]

Please briefly describe the licensing or permitting system, indicating whether the system provides for setting emission limits based on best available technology?

If yes, for which sectors? (please list): [The Water Code of the Republic of Armenia states, that water permit is a document, which includes the rights and responsibilities of a person related to the extraction of water from and discharge of water into a water resource. Water use permits are designed for 3 year circle and in some cases for 5 or 15 year circle. After the end of permitting period the document should be prolonged. The water use permitting process includes the calculation of Allowed Marginal Outflow (AMO): Such a regulated magnitude of harmful substances, which is established for point and (or) non-point pollution sources, taking into account characteristics of technological norms for discharges and background pollution of water resources. The issued water permit includes this AMO’s as the mandatory condition for discharge of water into a water resource.

Currently, the Ministry of Environment is developing amendment in Water Code that will encourage secondary use of water resources.]

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]

(d) Are the authorized discharges monitored and controlled?

Yes X/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 X
Inspectorate X

Other means (please list): []
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]

(e) What are the main measures which your country takes to reduce diffuse sources of water pollution on transboundary waters (e.g., from agriculture, transport, forestry or aquaculture)? The measures listed below relate to agriculture, but other sectors may be more significant. Please be sure to include these under “others”:

**Legislative measures**
- Norm for uses of fertilizers
- Norms for uses of manure
- Permitting system
- Bans on or norms for use of pesticides
- Others (please list): [fill in]

**Economic and financial measures**
- Monetary incentives
- Environmental taxes (such as fertilizer taxes)
- Others (please list): [fill in]

**Agricultural extension services**

**Technical measures**

**Source control measures**
- Crop rotation
- Tillage control
- Winter cover crops
- Others (please list): [fill in]

**Other measures**
- Buffer/filter strips
- Wetland reconstruction
- Sedimentation traps
- Chemical measures
- Others (please list): [fill in]

**Other types of measures**

(f) What are the main measures which your country takes to enhance water resources allocation and use efficiency?

Please tick as appropriate (not all might be relevant)

- A regulatory system regarding water abstraction
- Monitoring and control of abstractions
- Water rights are defined
Water allocation priorities are listed X
Water-saving technologies X
Advanced irrigation techniques □
Demand management activities □
Other means (please list) □

(g) Does your country apply the ecosystems approach?
Yes X No □

If yes, please describe how: [fill in]

(h) Does your country take specific measures to prevent the pollution of groundwaters?
Yes X No □

If yes, please briefly describe the most important measures: [Limiting economic activities in groundwater protection zones]

2. Do your national laws require transboundary environmental impact assessment (EIA)?
Yes X No □

If yes, please briefly describe the legislative basis, and any related implementing procedures. [Law on EIA and Expert Assessment]

If not, do other measures provide for transboundary EIA? [ ]

IV. Final questions

1. What are the main challenges your country faces in cooperating on transboundary waters?
   - Differences between national administrative and legal frameworks X
   - Lack of relevant data and information X
   - Difficulties in data and information exchange X
   - Sectoral fragmentation at the national level □
   - Language barrier □
   - Resource constraints □
   - Environmental pressures, e.g. extreme events □
   - Sovereignty concerns □

   Please list other challenges and/or provide further details: [No diplomatic relations with some bordering counties]

2. What have been the main achievements in cooperating on transboundary waters?
   - Improved water management □
   - Enhanced regional integration, i.e. beyond water □
   - Adoption of cooperative arrangements X
   - Adoption of joint plans and programmes X
Long-lasting and sustained cooperation X
Financial support for joint activities ☐
Stronger political will for transboundary water cooperation ☐
Better knowledge and understanding X
Dispute avoidance ☐
Stakeholder engagement ☐

Please list other achievements, keys to achieving success, and/or provide concrete examples: [fill in]

3. Please indicate which institutions were consulted during the completion of the questionnaire

Joint body or mechanism ☐
Other riparian or aquifer countries ☐
National water management authority X
Environment agency/authority X
Basin authority (national) ☐
Local or provincial government ☐
Geological survey (national) ☐
Non-water specific ministries, e.g. foreign affairs, finance, forestry and energy ☐
Civil society organizations ☐
Water user associations ☐
Private sector ☐

Other (please list): [fill in]

Please briefly describe the process by which the questionnaire was completed: [SDG 6.5.2 survey was completed and summarized by the Ministry of Environment as the focal point of the SDG 6.5.2 indicator. Considering the Covid-19 situation, there were no in-person meetings and discussions during completion, although the questionnaire was completed by using such online instruments as e-mail exchange, webinars and also phone calls.]

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):

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<th>National SDG 6.5.2 Focal Point Information</th>
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<tbody>
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Date: [29/09/2020]  Signature: