Template for reporting under the Water Convention and for global SDG indicator 6.5.2

Country name: [fill in]

Lithuania

This template or reporting form is in the form of a questionnaire to be filled out. Questions can be either “closed”, Yes ☐/No ☐, with appropriate boxes to tick; “open”, requiring further information to be supplied, indicated by the words in square brackets [fill in]; or a combination of both. Depending on the country situation, it will not always be necessary to fill in extra information where space is provided for this.

The questions are divided into four parts: national (section I); by transboundary basin, river, lake or aquifer (section II); list of transboundary waters and information for calculation of the SDG indicator 6.5.2, Proportion of transboundary basin area with an operational arrangement for water cooperation (section III), and final questions (section IV). Please answer open questions very briefly, and in less than 200 words, using bullet points as appropriate. Section II will need to be completed for each of the transboundary basins, rivers, lakes or aquifers (please just copy the template for these questions and fill out again for each additional transboundary basin, river, lake or aquifer).

The template encourages those reporting to refer to the reporting under other multilateral environmental agreements to which their country is a Party.

I. Transboundary water management at the national level

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

1. (a) Does your country’s national legislation refer to measures to prevent, control and reduce any transboundary impact (art. 2 of the Convention)?

Yes ☐/No ☐

If yes, list the main national legislation: [fill in]

1. Law on Environmental Protection (No I-2223, adopted by the Parliament on 21.1.1992);
2. Law on Environment impact assessment (No I-1495, adopted by the Parliament on 15.8.1996);
3. Regulation on Strategic Environment impact assessment (No 967, adopted by the Government on 18.8.2014);
4. Regulation on Integrated Pollution Prevention and Control Permits (approved by Order No DI-528 of the Minister of Environment on 15.7.2013);
5. Law on Water (No. VIII 474 adopted by the Parliament on 21.10.1997, as last amended on 14.4.2016);
6. Law on Marine Environmental Protection (No VIII-512 adopted by the Parliament on 13.11.1997, as last amended on 14.4.2016);
7. Regulation on International Civil Assistance (approved by Resolution No 501 of the Government on 4.5.2011);
8. Regulation on Waste Water Management (approved by Order No DI-236 of the Minister of Environment on 17.5.2006).
(b) Do your country’s national policies, action plans and strategies refer to measures to prevent, control and reduce any transboundary impact?

Yes ☒/No ☐

If yes, list the main national policies, action plans and strategies: [fill in]

1. National Environmental Protection Strategy (approved by Resolution No 12-1626 of the Parliament on 16.4.2015);
2. Water development program for 2017–2023 (approved by Resolution No 88 of the Government on 1.3.2017);
3. Action plan for implementation of Water development program for 2017–2023 (approved by Order No D1-375/3D-312 of the Minister of Environment and Minister of Agriculture on 5.5.2017).

(c) Does your country’s legislation provide for the following principles?

Precautionary principle ☐/Yes ☒
Polluter pays principle ☐/Yes ☒
Sustainable development ☐/Yes ☒

(d) Does your country have a national licensing or permitting system for wastewater discharges and other point source pollution (art. 3, para. 1 (b)) (e.g., in industry, mining, energy, municipal, wastewater management or other sectors)?

Yes ☒/No ☐

If yes, for which sectors? (please list): [fill in]

Environmental legislation lays down the requirements for installations that can cause pollution when used, and sets the requirements for the system of permits needed to operate such installations. The integrated pollution prevention and control (IPPC) and pollution permits are issued according to IPPC permits rules (approved by Order No D1-528 of the Minister of Environment on 15.7.2013, as last amended on 8.1.2016), or Pollution Permit Rules (approved by Order No D1-259 of the Minister of Environment on 6.3.2014, as last amended on 23.10.2015). All sectors are covered by permitting system.

If not, please explain why not (giving the most important reasons) or provide information if there are plans to introduce a licensing or permitting system: [fill in]

If your country has a licensing system, does the system provide for setting emission limits based on best available technology?

Yes ☒/No ☐

(e) Are the authorized discharges monitored and controlled (art. 3, para. 1 (b))?\n
Yes ☒/No ☐

If yes, how? (Please tick the ones applicable):

- Monitoring of discharges ☒
- Monitoring of physical and chemical impacts on water ☐
- Monitoring of ecological impacts on water ☐
- Conditions on permits ☒
- Inspectorate ☒
- Other means (please list): [fill in]
If your country does not have a discharge monitoring system, please explain why not or provide information if there are plans to introduce a discharge monitoring system: [fill in]

(f) What are the main measures which your country takes to reduce diffuse sources of water pollution on transboundary waters (art. 3, para. 1) (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
- 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]

Requirements for proper handling and usage of organic fertilizers, including the allowable, environmentally safe amounts of nitrogen that can be introduced into the soil, the periods during the year for spreading these fertilizers, the preparation and approval of fertilization plans, are applied according to the Environmental Provisions for Manure Management (approved by Order No. D1-367/3D-342 of the Minister of Environment and the Minister of Agriculture on 14.7.2005, as last amended on 1.10.2011).

**Other measures**
- Buffer/filter strips
- Wetland reconstruction
- Sedimentation traps
- Chemical measures
- Others (please list): [fill in]

**Other types of measures**
- [ ]

If yes, please list: [fill in]

(g) What are the main measures which your country takes to enhance water efficiency (art. 3)?

*Please tick as appropriate (not all might be relevant)*
- A regulatory system regarding water abstraction
- Monitoring and control of abstractions
Water rights are clearly defined  □
Water allocation priorities are listed □
Water-saving technologies □
Advanced irrigation techniques □
Demand management activities □
Other means (please list) □

(h) Does your country apply the ecosystems approach (art. 3, para. 1 (i), and art. 2, para. 1 (d))?  
Yes ☑/No □

If yes, please describe how: [fill in]

The management of surface and underground water resources pursuant to the Law is based on six-year river basin management plans (RBMP). There are four river basins all of which are international. The main objectives of the RBMP are to prevent deterioration and to achieve a good status of water bodies. Good water status of water bodies is determined by the ecological and chemical status.

(i) Does your country take specific measures to prevent the pollution of groundwaters (art. 3, para. 1 (k))?  
Yes ☑/No □

If yes, please list the most important measures: [fill in]

The Lithuanian Geological Survey, under the Ministry of Environment, collects information including on polluted land areas, the state of groundwater bodies and the use and availability of mineral resources. To use water resources effectively, provisions for sustainable water use are implemented via the subsurface resources extraction permission system and the Pollution permission system. Natural and legal persons that use more than 10 m³/day of groundwater obtain a Groundwater Extraction permit from the Lithuanian Geological survey, as it is inscribed in the Rules for Issuing Permits to Use of Subsurface Resources (except hydrocarbons) and Cavities (approved by Resolution No. 198 of the Government on 11.2.2002, as last amended on 6.5.2015). Persons that use more than 100 m³/day of surface water obtain a Pollution permit from the Environmental Protection Agency, as it is inscribed in the Rules on the Granting, Updating and Revocation of Pollution Permits (adopted by the Order No. D1-259 of the Minister of Environment on 6.3.2014, as last amended 21.4.2016).

In Lithuania, water resources are widely available; therefore only groundwater resources are used for drinking water production. 3.72 million m³/day of groundwater can be extracted without negative influence on groundwater resources.

2. Does your country require transboundary environmental impact assessment (EIA)?  
Yes ☑/No □

Does your country have procedures for transboundary EIA?  
Yes ☑/No □

If yes, please make reference to the legislative basis (please insert the name and section of the relevant laws). (Please note: If your country is a Party to the Convention on Environmental Impact Assessment in a Transboundary Context, you may refer to your country’s report under that Convention): [fill in]
The Law on Environmental Impact Assessment of the Proposed Economic Activity (hereinafter – the Law on EIA) (No 1-1195 adopted by the Parliament on 15.8.1996, as last amended 27.6.2013) is the framework law establishing the environmental impact assessment (hereinafter – EIA) system in Lithuania and through the Regulations on Strategic Assessment of the Effects of Plans and Programs on the Environment (hereinafter – Regulations on SEA) (approved by Resolution No 967 of the Government on 18.8.2004, as last amended on 23.12.2014), which stipulate the process of strategic assessment of the effects of plans and programmes on the environment and the relationships between the participants in this process.


3. Does your country have transboundary agreements or arrangements for the protection and/or management of transboundary waters (i.e., surface waters or aquifers), whether bilateral, multilateral and/or at the basin level?
   Yes ☒/No ☐

If yes, list the bilateral, multilateral and basin agreements (listing for each of the countries concerned): [fill in]

2. Agreement between the Lithuanian Environmental Protection Agency and Hydrometeorological Service and Federal Hydrometeorological and Environmental Monitoring Service of the Federal State Budgetary Institution "Kaliningrad Hydrometeorology and Environmental Monitoring Center" under the Ministry of Natural Resources and Ecology of the Russian Federation;
3. Agreement between the Government of the Republic of Lithuania and Government of Russia Federation on Cooperation on Environment Protection;
4. Agreement between the Ministry of Environment of the Republic of Lithuania and the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus on Cooperation in the Monitoring and the Exchange of Data on Transboundary Surface Water Bodies;
5. Agreement between the Latvian Environment, Geology and Meteorology Agency under the Ministry of Environment of the Republic of Latvia and the Environmental Protection Agency of the Republic of Lithuania on Co-operation in the Field of Monitoring and the Exchange of Information on the Status of Surface Water Bodies in Transboundary River Basin Districts;
6. Agreement on cooperation between the Lithuanian Geological Survey under the Ministry of Environment (LGT) and the Latvian Environment, Geology and Meteorology Centre (LVGMC) on cross-border groundwater monitoring;
7. Agreement between the Lithuanian Geological Survey under the Ministry of Environment (LGT) and the Belarusian Scientific and Research Geological Prospecting Institute on cooperation in the field of geology and hydrogeology.
II. Questions for each transboundary basin, river, lake or aquifer

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

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

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

Nemunas, including Quaternary aquifers (Poland)

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?
   - One or more agreements or arrangements exist and are in force [X]
   - Agreement or arrangement developed but not in force [ ]
   - Agreement or arrangement developed, but not in force for all riparians [ ]

   Please insert the name of the agreement or agreements or arrangements: [fill in]

   Agreement between the Government of the Republic of Lithuania and the Government of the Republic of Poland on Cooperation on the Protection and Use of Transboundary Water

   Agreement or arrangement is under development [ ]

   No agreement [ ]

   If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

---

* In principle, section 2 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.

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

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

2. (a) Does this agreement or arrangement specify the basin area subject to cooperation?
   Yes ☑/No ☐

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

   If not, what does it cover?: [fill in]

   Agreement covers only transboundary water bodies between Poland and Lithuania. Lithuania, Poland, Belarus and Russia (Kaliningrad Oblast) share Nemunas river basin.

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

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

   (b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?
       Yes ☑/No ☐

   (c) What is the sectoral scope of the agreement or arrangement?
       All water uses ☑
       A single water use or sector ☐
       Several water uses or sectors ☐

       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 ☐
       Tourism ☐
       Nature protection ☐
       Other (please list): [fill in]

   (d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?

       Procedural and institutional issues
Dispute and conflict prevention and resolution
Institutional cooperation (joint bodies)
Consultation on planned measures
Mutual assistance (art. 15)

**Topics of cooperation**
Joint vision and management objectives
Joint significant water management issues
Navigation
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 (art. 13)
Joint monitoring (art. 11)
Maintenance of joint pollution inventories
Elaboration of joint water quality objectives
Common early warning and alarm procedures (art. 14)
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 (*please describe, if applicable*): [fill in]

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

(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*): [fill in]
Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☒/No ☐

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

Where there is a joint body (or bodies)

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

Plenipotentiaries ☐

Bilateral commission ☒

Basin or similar commission ☐

Other (please describe): [fill in]

(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☒/No ☐

(c) Which States (including your own) are member of the joint body? (Please list): [fill in]

Lithuania, Poland

(d) Does the joint body 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): [fill in]

There is common and permanent secretariat in scope of the bilateral agreement (Lithuanian-Polish Commission for Cooperation on Transboundary waters (Nemunas RBD)).

A subsidiary body or bodies ☒

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

There are three working group on specific topics:

1 group - „Cooperation on the scope of the bilateral water resources management and flood issues”;

2 group - „Cooperation on the scope of the bilateral of water protection”;

3 group - „Cooperation on the scope of the bilateral water protection from pollution”.

Other features (please list): [fill in]
(e) What are the tasks and activities of this joint body (art. 9, para. 2)?

- 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
- 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]

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

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

---

* 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.
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]

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

No cooperation

They have observer status

Other (please describe): [fill in]

(h) Does the joint body or its subsidiary bodies meet regularly?

Yes ☒/No ☐

If yes, how frequently does it meet? [fill in]

Once a year.

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?

Yes ☒/No ☐

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?

Yes ☒/No ☐

If yes, please give details. If no, why not?: [fill in]

Both Lithuania and Poland are members of Convention on the Protection of the Marine Environment of the Baltic Sea Area (HELCOM) and all international environmental issues regarding Baltic Sea are coordinated in HELCOM.

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))? 

Yes ☒/No ☐

If yes, please provide further details: [fill in]

Implementing EU Water framework directive 2000/60/EC was developed common part in Lithuanian and Latvian river basins management plans devoted to transboundary water bodies.
5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (i))?

- Afforestation
- Restoration of ecosystems
- Environmental flow norms
- Groundwater measures (e.g., protection zones)
- Other measures (please list): [fill in]

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)?
   Yes ☑/No ☐

(b) If yes, on what subjects are information and data exchanged?
   - Environmental conditions (art. 13, para. (1) (a))
   - Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b))
   - Emission monitoring data (art. 13, para. 1 (c))
   - Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d))
   - Point source pollution sources ✓
   - Diffuse pollution sources ☐
   - Existing hydromorphological alterations (dams, etc.) ☐
   - Discharges ☐
   - Water abstractions ☐
   - Future planned measures with transboundary impacts, such as infrastructure development ☐
   - Other subjects (please list): [fill in]

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

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

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

(e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]

(f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): [fill in]

Main benefits of data exchange are related to the determination of impact of riparian rivers and its basins, modelling of transboundary groundwater flow and quality. Monitoring results can be used for modelling relating to the drawing up of the RBD water management plans.

7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?
   Yes ☑/No ☐
(a) If yes, what does the joint monitoring cover?

<table>
<thead>
<tr>
<th></th>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
<td>☒</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>☒</td>
<td>☒</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>Unconnected aquifers (or groundwaters)</td>
<td>☒</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 ☒
- Joint and agreed methodologies ☒
- Joint sampling ☒
- Common monitoring network ☐
- Common agreed parameters ☒

(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, river, lake or aquifer (art. 11)?

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: [fill in]*

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

Yes ☐/No ☒

*If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States?: [fill in]*

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?

- Notification and communication ☒
- Coordinated or joint alarm system for accidental water pollution ☐
- Other *(please list)*: [fill in]
- No measures ☐

*If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]*

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?

- Notification and communication ☒
- Coordinated or joint alarm system for floods ☐
- Coordinated or joint alarm system for droughts ☐
12. Are procedures in place for mutual assistance in case of a critical situation (art. 15)?

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, river, lake or aquifer? (art. 16)?

Yes [ ]/No [x]

If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country’s report under that Convention):

- Stakeholders have observer status in a joint body
- 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, rivers, lakes or aquifers. Please also remember to attach copies of agreements, if any.

---

d Or, where applicable, aquifer management plans.
II. Questions for each transboundary basin, river, lake or aquifer

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

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

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

Nemunas (Russia (Kaliningrad Oblast))

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?

- One or more agreements or arrangements exist and are in force
- Agreement or arrangement developed but not in force
- Agreement or arrangement developed, but not in force for all riparians

Please insert the name of the agreement or agreements or arrangements: [fill in]

Agreement between the Government of the Republic of Lithuania and Government of Russia Federation on Cooperation on Environment Protection

- Agreement or arrangement is under development
- No agreement

If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

---

* In principle, section 2 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.

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

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

2. (a) Does this agreement or arrangement specify the basin area subject to cooperation?
   Yes ☒/No □
   If yes, does it cover the entire basin, or group of basins, and all riparian States?
   Yes □/No ☒
   If not, what does it cover?: [fill in]
   Agreement covers only transboundary water bodies between Russia and Lithuania, Lithuania, Poland, Belarus and Russia (Kaliningrad Oblast) share Nemunas river basin.
   Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?
   Yes □/No □
   Which States (including your own) are bound by the agreement or arrangement? (Please list): [fill in]
   Lithuania, Russia

(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?
   Yes ☒/No □

(c) What is the sectoral scope of the agreement or arrangement?
   All water uses ☒
   A single water use or sector □
   Several water uses or sectors □
   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 □
   Tourism □
   Nature protection □
   Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?
Procedural and institutional issues
Dispute and conflict prevention and resolution ☒
Institutional cooperation (joint bodies) ☒
Consultation on planned measures ☐
Mutual assistance (art. 15) ☐

Topics of cooperation
Joint vision and management objectives ☐
Joint significant water management issues ☐
Navigation ☐
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 (art. 13) ☐
Joint monitoring (art. 11) ☐
Maintenance of joint pollution inventories ☐
Elaboration of joint water quality objectives ☐
Common early warning and alarm procedures (art. 14) ☐
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 (please describe, if applicable): [fill in]

Cooperation is very passive during last 5 years.

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

(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): [fill in]
Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☒/No ☐

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

Where there is a joint body (or bodies)

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

Plenipotentiaries ☐

Bilateral commission ☒

Basin or similar commission ☐

Other (please describe): [fill in]

(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☐/No ☒

(c) Which States (including your own) are member of the joint body? (Please list): [fill in]

Lithuania, Russia

(d) Does the joint body 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): [fill in]

Cooperation is very passive during last 5 years. ☐

A subsidiary body or bodies ☐

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

Other features (please list): [fill in]

(e) What are the tasks and activities of this joint body (art. 9, para. 2)?

Identification of pollution sources ☐

Data collection and exchange ☐

Joint monitoring ☐

Maintenance of joint pollution inventories ☐

Setting emission limits ☐

---

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.
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
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 on, for example, basin management plans
Joint resources to support transboundary cooperation
Capacity-building

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

(f) What are the main difficulties and challenges that your country faces with the operation of the joint body, 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]

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

No cooperation ☐

They have observer status ☐

Other (please describe): [fill in]

(h) Does the joint body or its subsidiary bodies meet regularly?

Yes ☑/No ☐

If yes, how frequently does it meet? [fill in]

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?

Yes ☑/No ☐

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?

Yes ☑/No ☐

If yes, please give details. If no, why not?: [fill in]

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))? 

Yes ☑/No ☐

If yes, please provide further details: [fill in]

5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (i))?

Afforestation ☐

Restoration of ecosystems ☐

Environmental flow norms ☐

Groundwater measures (e.g., protection zones) ☐

Other measures (please list): [fill in]

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)?

Yes ☑/No ☐

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

Environmental conditions (art. 13, para. (1) (a)) ☐

Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b)) ☐

Emission monitoring data (art. 13, para. 1 (c)) ☐

Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d)) ☐

Point source pollution sources ☐
Diffuse pollution sources  □
Existing hydromorphological alterations (dams, etc.)  □
Discharges  □
Water abstractions  □
Future planned measures with transboundary impacts, such as infrastructure development  □
Other subjects (please list): [fill in]

(c) Is there a shared database or information platform?
Yes □/No ☒

(d) Is the database publicly available?
Yes □/No ☒

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

(e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]

(f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?
Yes □/No ☒

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

<table>
<thead>
<tr>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Unconnected aquifers (or groundwaters)</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  □
Joint and agreed methodologies  □
Joint sampling  □
Common monitoring network  □
Common agreed parameters  □

(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, river, lake or aquifer (art. 11)?
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: [fill in]

9. Have the riparian States agreed to use joint water quality standards?
   Yes ☐/No ☒

   If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States?: [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?

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

   If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?

   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 (art. 15)?

   Yes ☐/No ☒

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

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer? (art. 16)?

   Yes ☐/No ☒

   If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country’s report under that Convention.):
   Stakeholders have observer status in a joint body ☐

   If yes, please specify the stakeholders for each joint body: [fill in]
   Availability of information to the public ☐
Consultation on planned measures or river basin management

Public involvement

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

---

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

---

b Or, where applicable, aquifer management plans.
Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country’s share of the basin: [fill in]

Nemunas (with Kaliningrad Oblast (Russian Federation))

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?

   One or more agreements or arrangements exist and are in force ☒
   Agreement or arrangement developed but not in force ☐
   Agreement or arrangement developed, but not in force for all riparians ☐

   Please insert the name of the agreement or agreements or arrangements: [fill in]

   Agreement between the Lithuanian Environmental Protection Agency and Hydrometeorological Service and Federal Hydrometeorological and Environmental Monitoring Service of the Federal State Budgetary Institution "Kaliningrad Hydrometeorology and Environmental Monitoring Center" under the Ministry of Natural Resources and Ecology of the Russian Federation

   Agreement or arrangement is under development ☒
   No agreement ☐

   If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

   Agreement between the Government of the Russian Federation, the Government of the Republic of Belarus, the Government of the Republic of Lithuania and the European Union on the cooperation in the field of the use and protection of the water bodies of Nemunas River Basin

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

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

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

   Yes ☒/No ☐

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

   Yes ☐/No ☒

   If not, what does it cover?: [fill in]

   Agreement covers only transboundary surface water bodies between Kaliningrad Oblast (Russian Federation) and Lithuania. Lithuania, Poland, Belarus and Russia (Kaliningrad Oblast) share Nemunas river basin.

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

   Yes ☐/No ☒
Which States (including your own) are bound by the agreement or arrangement? *(Please list): [fill in]*

**Lithuania, Kaliningrad Oblast (Russian Federation)**

(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?

- [ ] Yes
- [ ] No

(c) What is the sectoral scope of the agreement or arrangement?

- [ ] All water uses
- [ ] A single water use or sector
- [ ] Several water uses or sectors

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

<table>
<thead>
<tr>
<th>Water uses or sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry</td>
</tr>
<tr>
<td>Agriculture</td>
</tr>
<tr>
<td>Transport (e.g., navigation)</td>
</tr>
<tr>
<td>Households</td>
</tr>
<tr>
<td>Energy: hydropower and other energy types</td>
</tr>
<tr>
<td>Tourism</td>
</tr>
<tr>
<td>Nature protection</td>
</tr>
<tr>
<td>Other <em>(please list): [fill in]</em></td>
</tr>
</tbody>
</table>

(d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?

- **Procedural and institutional issues**
  - [ ] Dispute and conflict prevention and resolution
  - [ ] Institutional cooperation (joint bodies)
  - [ ] Consultation on planned measures
  - [ ] Mutual assistance (art. 15)

- **Topics of cooperation**
  - [ ] Joint vision and management objectives
  - [ ] Joint significant water management issues
  - [ ] Navigation
  - [ ] 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 (art. 13)  x
Joint monitoring (art. 11)  
Maintenance of joint pollution inventories  
Elaboration of joint water quality objectives  
Common early warning and alarm procedures (art. 14)  x
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 (please describe, if applicable): [fill in]

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

(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): [fill in]

Lithuania and Kaliningrad Oblast (Ru)

3. Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☑/No ☐

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

**Where there is a joint body (or bodies)**

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

- Plenipotentiaries  ☑
- Bilateral commission  
- Basin or similar commission  
- Other (please describe): [fill in]

(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☐/No ☑
(c) Which States (including your own) are member of the joint body? *(Please list)*: [fill in]

Lithuania, Kaliningrad Oblast (Russian Federation)

(d) Does the joint body 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)*: [fill in]
  - *A subsidiary body or bodies*
  - *Please list (e.g., working groups on specific topics)*: [fill in]
  - *Other features (please list)*: [fill in]

(e) What are the tasks and activities of this joint body (art. 9, para. 2)?

- 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
- 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
- SETLING 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

---

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

(f) What are the main difficulties and challenges that your country faces with the operation of the joint body, 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]

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

No cooperation ☑

They have observer status ☐

Other (please describe): [fill in]

(h) Does the joint body or its subsidiary bodies meet regularly?

Yes ☐/No ☑

If yes, how frequently does it meet? [fill in]

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?

Yes ☐/No ☑

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?

Yes ☐/No ☑

If yes, please give details. If no, why not?: [fill in]

Both Lithuania and Russian Federation are members of Convention on the Protection of the Marine Environment of the Baltic Sea Area.
(HELCOM) and all international environmental issues regarding Baltic Sea are coordinated in HELCOM.

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))?
   Yes ☐/No ☒
   If yes, please provide further details: [fill in]

5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (j))?
   Afforestation
   Restoration of ecosystems
   Environmental flow norms
   Groundwater measures (e.g., protection zones)
   Other measures (please list): [fill in]

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)?
   Yes ☒/No ☐
   (b) If yes, on what subjects are information and data exchanged?
       Environmental conditions (art. 13, para. (1) (a)) ☒
       Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b))
       Emission monitoring data (art. 13, para. 1 (c))
       Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d))
       Point source pollution sources
       Diffuse pollution sources
       Existing hydromorphological alterations (dams, etc.)
       Discharges
       Water abstractions
       Future planned measures with transboundary impacts, such as infrastructure development
       Other subjects (please list): [fill in]
   (c) Is there a shared database or information platform?
       Yes ☐/No ☒
   (d) Is the database publicly available?
       Yes ☐/No ☒
       If yes, please provide the web address: [fill in]
   (e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]
   (f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): [fill in]

7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?
Yes ☐/No ☑

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

<table>
<thead>
<tr>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Border surface waters</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Unconnected aquifers (or groundwaters)</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
- Joint and agreed methodologies
- Joint sampling
- Common monitoring network
- Common agreed parameters

(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, river, lake or aquifer (art. 11)?

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: [fill in]*

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

Yes ☐/No ☑

*If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States? [fill in]*

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?

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

*If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]*

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?

- 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 (art. 15)?
   Yes ☐/No ☑
   If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer? (art. 16)?
   Yes ☐/No ☑
   If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country’s report under that Convention.):
   Stakeholders have observer status in a joint body
   If yes, please specify the stakeholders for each joint body: [fill in]
   Availability of information to the public
   Consultation on planned measures or river basin management plans
   ☐
   Public involvement
   Other (please specify): [fill in]

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

j Or, where applicable, aquifer management plans.
Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country’s share of the basin: [fill in]

Nemunas (with Belarus)

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?

   One or more agreements or arrangements exist and are in force ☑

   Agreement or arrangement developed but not in force ☐

   Agreement or arrangement developed, but not in force for all riparians ☐

   Please insert the name of the agreement or agreements or arrangements: [fill in]

   Agreement between the Ministry of Environment of the Republic of Lithuania and the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus on Cooperation in the Monitoring and the Exchange of Data on Transboundary Surface Water Bodies ☑

   Agreement or arrangement is under development ☑

   Agreement between the Government of the Russian Federation, the Government of the Republic of Belarus, the Government of the Republic of Lithuania and the European Union on cooperation in the field of the use and protection of the water bodies of Nemunas River Basin ☑

   Technical protocol between Ministry of Environment of the Republic of Lithuania and the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus on cooperation in protection and use of water resources in transboundary Nemunas river Basins ☐

   No agreement ☐

   If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

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

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

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

   Yes ☑/No ☐

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

   Yes ☐/No ☑

   If not, what does it cover?: [fill in]

   Agreement covers only transboundary surface water bodies between Belarus and Lithuania, Lithuania, Poland, Belarus and Russia (Kalinigrad Oblast) share Nemunas river basin.
Or, if the agreement or arrangement relates to a sub-basin, does it cover the entire sub-basin?

Yes ☐/No ☐

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

Lithuania, Belarus

(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?

Yes ☐/No ☒

(c) What is the sectoral scope of the agreement or arrangement?

All water uses ☒
A single water use or sector ☐
Several water uses or sectors ☐

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 ☐
Tourism ☐
Nature protection ☐
Other (please list): [fill in] ☐

(d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?

**Procedural and institutional issues**

Dispute and conflict prevention and resolution ☐
Institutional cooperation (joint bodies) ☐
Consultation on planned measures ☐
Mutual assistance (art. 15) ☐

**Topics of cooperation**

Joint vision and management objectives ☐
Joint significant water management issues ☒
Navigation ☐
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 (art. 13)
Joint monitoring (art. 11)
Maintenance of joint pollution inventories
Elaboration of joint water quality objectives
Common early warning and alarm procedures (art. 14)
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 (please describe, if applicable): [fill in]

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

(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): [fill in]

Lithuania and Belarus.pdf

3. Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☑/No ☐

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

Where there is a joint body (or bodies)

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

Plenipotentiaries ☑
Bilateral commission ☐
Basin or similar commission ☐
Other (please describe): [fill in]
(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☐/No ☒

(c) Which States (including your own) are member of the joint body? *(Please list): [fill in]*

Lithuania, Belarus

(d) Does the joint body 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): [fill in]*

- A subsidiary body or bodies
  - *(Please list e.g., working groups on specific topics): [fill in]*

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

(e) What are the tasks and activities of this joint body (art. 9, para. 2)?

- 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
  - 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

---

$k$ 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]

(f) What are the main difficulties and challenges that your country faces with the operation of the joint body, 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]

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

No cooperation
They have observer status

Other (please describe): [fill in]

(h) Does the joint body or its subsidiary bodies meet regularly?

Yes ☐/No ☒

If yes, how frequently does it meet? [fill in]

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?

Yes ☐/No ☒

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?
Yes ☐/No ☒

If yes, please give details. If no, why not?: [fill in]

Lithuania is the only coastal State for this agreement.

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))? Yes ☐/No ☒

If yes, please provide further details: [fill in]

5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (j))? Afforestation ☐

Restoration of ecosystems ☐

Environmental flow norms ☐

Groundwater measures (e.g., protection zones) ☐

Other measures (please list): [fill in]

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)? Yes ☒/No ☐

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

Environmental conditions (art. 13, para. 1 (a)) ☒

Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b)) ☐

Emission monitoring data (art. 13, para. 1 (c)) ☐

Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d)) ☐

Point source pollution sources ☐

Diffuse pollution sources ☐

Existing hydromorphological alterations (dams, etc.) ☐

Discharges ☐

Water abstractions ☐

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

Other subjects (please list): [fill in]

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

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

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

(e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]

(f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): [fill in]
7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?

Yes ☐/No ☒

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

<table>
<thead>
<tr>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Unconnected aquifers (or groundwaters)</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 ☐
- Joint and agreed methodologies ☐
- Joint sampling ☐
- Common monitoring network ☐
- Common agreed parameters ☐

(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, river, lake or aquifer (art. 11)?

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: [fill in]

First steps of joint assessment of transboundary basin are made during project “River Basin Management and Climate Change adaptation in Nemun River Basin” under the Program of UNECE and with support from ENVSEC and UNDP in Republic of Belarus. This Project was implemented between 2012 and 2014.

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

Yes ☐/No ☒

If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States?: [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?

- Notification and communication ☒
- Coordinated or joint alarm system for accidental water pollution ☐
- Other (please list): [fill in]
- No measures ☐
If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?

- 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 (art. 15)?

Yes ☐/No ☒

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

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer? (art. 16)?

Yes ☐/No ☒

If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country’s report under that Convention.):

- Stakeholders have observer status in a joint body ☐

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

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

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

---

1 Or, where applicable, aquifer management plans.
Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country’s share of the basin: [fill in]

Quaternary aquifers of Nemunas RBD and Daugava RBD (with Belarus)

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?
   - One or more agreements or arrangements exist and are in force [x]
   - Agreement or arrangement developed but not in force [☐]
   - Agreement or arrangement developed, but not in force for all riparians [☐]
   - Please insert the name of the agreement or agreements or arrangements: [fill in]

   Agreement between the Lithuanian Geological Survey under the Ministry of Environment (LGT) and the Belarusian Scientific and Research Geological Prospecting Institute on cooperation in the field of geology and hydrogeology

   Agreement or arrangement is under development [☐]

   No agreement [☐]

   If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

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

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

2. (a) Does this agreement or arrangement specify the basin 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]

   If not, what does it cover?: [fill in]

   Agreement covers only transboundary aquifers between Belarus and Lithuania. Lithuania, Poland and Belarus share Quaternary aquifers of Nemunas river basin and Quaternary aquifers of Daugava river basin with Latvia.

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

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

   Lithuania, Belarus
(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?

Yes ☒/No ☐

(c) What is the sectoral scope of the agreement or arrangement?

All water uses ☒
A single water use or sector ☐
Several water uses or sectors ☐

*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 ☐
Tourism ☐
Nature protection ☐
Other (please list): [fill in] ☐

(d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?

**Procedural and institutional issues**

Dispute and conflict prevention and resolution ☐
Institutional cooperation (joint bodies) ☒
Consultation on planned measures ☒
Mutual assistance (art. 15) ☐

**Topics of cooperation**

Joint vision and management objectives ☐
Joint significant water management issues ☒
Navigation ☐
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 (art. 13) ☒
Joint monitoring (art. 11)  ☒
Maintenance of joint pollution inventories  ☐
Elaboration of joint water quality objectives  ☐
Common early warning and alarm procedures (art. 14)  ☐
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 *(please describe, if applicable): [fill in]*

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

(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): [fill in]*

3. Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☒/No ☐

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

**Where there is a joint body (or bodies)**

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

Plenipotentiaries  ☐

Bilateral commission  ☒

Basin or similar commission  ☐

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

(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☒/No ☐

(c) Which States (including your own) are member of the joint body? *(Please list): [fill in]*

Lithuania, Belarus

(d) Does the joint body 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): [fill in]

A subsidiary body or bodies

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

Other features (please list): [fill in]

(e) What are the tasks and activities of this joint body (art. 9, para. 2)?

- 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
- 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]

---

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

- Governance issues
- 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): [fill in]

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

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

(h) Does the joint body or its subsidiary bodies meet regularly?

Yes □/No ☒

If yes, how frequently does it meet? [fill in]

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?

Yes □/No ☒

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?

Yes □/No ☒

If yes, please give details. If no, why not?: [fill in]

Lithuania is the only coastal State for this agreement.

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))? 

Yes □/No ☒

If yes, please provide further details: [fill in]
5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (i))?  

- Afforestation
- Restoration of ecosystems
- Environmental flow norms
- Groundwater measures (e.g., protection zones)

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

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)?  

- Yes [ ]/No [ ]

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

- Environmental conditions (art. 13, para. 1 (a))
- Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b))
- Emission monitoring data (art. 13, para. 1 (c))
- Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d))
- Point source pollution sources
- Diffuse pollution sources
- Existing hydromorphological alterations (dams, etc.)
- Discharges
- Water abstractions
- Future planned measures with transboundary impacts, such as infrastructure development

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

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

- Yes [ ]/No [ ]

(d) Is the database publicly available?  

- Yes [ ]/No [ ]

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

(e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]

(f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe):  

Creation of high quality and comparable information system on transboundary aquifers, which will be used in future for common assessment of groundwater quality and quantity as well as modelling needed to develop plans of measures, if needed.

7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?  

- Yes [ ]/No [ ]
(a) If yes, what does the joint monitoring cover?

<table>
<thead>
<tr>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>☑️</td>
<td>☐️</td>
<td>☐️</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐️</td>
<td>☐️</td>
<td>☐️</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐️</td>
<td>☐️</td>
<td>☐️</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>☑️</td>
<td>☑️</td>
<td>☐️</td>
</tr>
<tr>
<td>Unconnected aquifers (or groundwaters)</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 ☑️
- Joint and agreed methodologies ☑️
- Joint sampling ☐️
- Common monitoring network ☐️
- Common agreed parameters ☑️

(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, river, lake or aquifer (art. 11)?

   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: [fill in]*

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

   Yes ☐/No ☑️

   *If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States?: [fill in]*

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?

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

    *If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]*

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?

    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 (art. 15)?

Yes □/No ☒
If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer? (art. 16)?

Yes □/No ☒
If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country’s report under that Convention.):

- Stakeholders have observer status in a joint body □
- If yes, please specify the stakeholders for each joint body: [fill in]
- Availability of information to the public □
- Consultation on planned measures or river basin management plans* □
- Public involvement □
- Other (please specify): [fill in]

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

* Or, where applicable, aquifer management plans.
Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country’s share of the basin: [fill in]

Venta, Liepā, Daugava (with Latvia)

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?
   - One or more agreements or arrangements exist and are in force [X]
   - Agreement or arrangement developed but not in force [ ]
   - Agreement or arrangement developed, but not in force for all riparians [ ]

Please insert the name of the agreement or agreements or arrangements: [fill in]

Agreement between the Latvian Environment, Geology and Meteorology Agency under the Ministry of Environment of the Republic of Latvia and the Environmental Protection Agency of the Republic of Lithuania on Co-operation in the Field of Monitoring and the Exchange of Information on the Status of Surface Water Bodies in Transboundary River Basin Districts

Agreement or arrangement is under development [ ]

No agreement [ ]

If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

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

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

2. (a) Does this agreement or arrangement specify the basin 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 [ ]

If not, what does it cover?: [fill in]

Daugava river basin covers Lithuania, Latvia and Belarus. Belarus is not a party of this agreement. Venta river basin and Liepā river basin are covered.

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

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

Lithuania, Latvia

(b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?
Yes □/No □

(c) What is the sectoral scope of the agreement or arrangement?

All water uses □
A single water use or sector □
Several water uses or sectors □

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 □
Tourism □
Nature protection □
Other (please list): [fill in] □

(d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?

Procedural and institutional issues

Dispute and conflict prevention and resolution □
Institutional cooperation (joint bodies) □
Consultation on planned measures □
Mutual assistance (art. 15) □

Topics of cooperation

Joint vision and management objectives □
Joint significant water management issues □
Navigation □
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 (art. 13) □
Joint monitoring (art. 11) □
Maintenance of joint pollution inventories □
Elaboration of joint water quality objectives □
Common early warning and alarm procedures (art. 14) ☐
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 (please describe, if applicable): [fill in]

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

(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): [fill in]

---

Lithuania and Latvia.pdf

---

3. Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☒/No ☐

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

**Where there is a joint body (or bodies)**

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

☐ Plenipotentiaries
肾 Bilateral commission
☐ Basin or similar commission
☐ Other (please describe): [fill in]

(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☒/No ☐

(c) Which States (including your own) are member of the joint body? (Please list): [fill in]

Lithuania, Latvia

(d) Does the joint body 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):

[fill in]

A subsidiary body or bodies

☐

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

Other features (please list): [fill in]

(e) What are the tasks and activities of this joint body (art. 9, para. 2)?

☐ 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

☐ 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]

---

* 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.
(f) What are the main difficulties and challenges that your country faces with the operation of the joint body, 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]

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

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

(h) Does the joint body or its subsidiary bodies meet regularly?
Yes ☒/No ☐

If yes, how frequently does it meet? [fill in]

Usually once a year

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?
Yes ☐/No ☒

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?
Yes ☒/No ☐

If yes, please give details. If no, why not?: [fill in]

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))?  
Yes ☒/No ☐

If yes, please provide further details: [fill in]
Implementing EU Water framework directive 2000/60/EC was developed common part in Lithuanian and Latvian river basins management plans devoted to transboundary water bodies.

5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (i))?
   - Afforestation
   - Restoration of ecosystems
   - Environmental flow norms
   - Groundwater measures (e.g., protection zones)
   - Other measures (please list): [fill in]

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)?
   - Yes ☒/No ☐
   (b) If yes, on what subjects are information and data exchanged?
      - Environmental conditions (art. 13, para. (1) (a)) ☒
      - Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b))
      - Emission monitoring data (art. 13, para. 1 (c))
      - Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d))
      - Point source pollution sources ☒
      - Diffuse pollution sources
      - Existing hydromorphological alterations (dams, etc.)
      - Discharges
      - Water abstractions
      - Future planned measures with transboundary impacts, such as infrastructure development
      - Other subjects (please list): [fill in]
   (c) Is there a shared database or information platform?
      - Yes ☒/No ☐
   (d) Is the database publicly available?
      - Yes ☒/No ☐

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

(e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]

(f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): [fill in]

Main benefits of data exchange are related to the determination of impact of riparian rivers and its basins. Monitoring results can be used for modelling relating to the drawing up of the RBD water management plans.

7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?
Yes ☐/No ☒

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

<table>
<thead>
<tr>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Unconnected aquifers (or groundwaters)</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 ☐
- Joint and agreed methodologies ☐
- Joint sampling ☐
- Common monitoring network ☐
- Common agreed parameters ☐

(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, river, lake or aquifer (art. 11)?

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: [fill in]

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

Yes ☐/No ☒

If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States?: [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?

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

If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?

- 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 (art. 15)?

Yes ☐/No ☒
If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer? (art. 16)?

Yes ☐/No ☒
If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country’s report under that Convention.):

Stakeholders have observer status in a joint body ☐
If yes, please specify the stakeholders for each joint body: [fill in]
Availability of information to the public ☐
Consultation on planned measures or river basin management plans* ☐
Public involvement ☐
Other (please specify): [fill in]

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

* Or, where applicable, aquifer management plans.
Name of the transboundary basin, river, lake or aquifer, or group thereof, list of the riparian States, and country's share of the basin:

Permian-Upper Devonian of Venta RBD and Lielupe RBD; Upper Devonian + Upper-Middle Devonian of Lielupe RBD; Quaternary of Daugava RBD with Latvia

1. Is there one or more transboundary (bilateral or multilateral) agreement(s) or arrangement(s) on this basin (art. 9)?
   - One or more agreements or arrangements exist and are in force ☒
   - Agreement or arrangement developed but not in force □
   - Agreement or arrangement developed, but not in force for all riparians □

   Please insert the name of the agreement or agreements or arrangements: [fill in]

   Agreement on cooperation between the Lithuanian Geological Survey under the Ministry of Environment (LGT) and the Latvian Environment, Geology and Meteorology Centre (LVGMC) on cross-border groundwater monitoring;
   - Agreement or arrangement is under development □
   - No agreement □

   If there is no agreement or arrangement or it is not in force, please explain briefly why not and provide information on any plans to address the situation: [fill in]

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

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

2. (a) Does this agreement or arrangement specify the basin area subject to cooperation?
   - Yes ☒/No □

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

   If not, what does it cover?: [fill in]

   Agreement covers only groundwater.

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

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

   (b) Are aquifers (or groundwater bodies) covered by the agreement/arrangement?
      - Yes ☒/No □

   (c) What is the sectoral scope of the agreement or arrangement?
      - All water uses ☒
A single water use or sector
Several water uses or sectors

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
- Tourism
- Nature protection
- Other (please list): [fill in]

(d) What topics or subjects of cooperation are included in the agreement or arrangement (art. 9)?

**Procedural and institutional issues**
- Dispute and conflict prevention and resolution
- Institutional cooperation (joint bodies)
- Consultation on planned measures
- Mutual assistance (art. 15)

**Topics of cooperation**
- Joint vision and management objectives
- Joint significant water management issues
- Navigation
- 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 (art. 13)
- Joint monitoring (art. 11)
- Maintenance of joint pollution inventories
- Elaboration of joint water quality objectives
- Common early warning and alarm procedures (art. 14)
- 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 (please describe, if applicable): [fill in]

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

(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): [fill in]

E:\projekts\Latvija\agreementsLGT_LVGMC.pdf

3. Is your country a member of an operational joint body or joint bodies for this agreement/arrangement (art. 9)?

Yes ☒ No ☐

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

**Where there is a joint body (or bodies)**

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

- Plenipotentiaries
- Bilateral commission ☒
- Basin or similar commission
- Other (please list): [fill in]

(b) Does the joint body cover the entire transboundary basin or sub-basin, river, lake or aquifer, or group of basins, and all riparian States?

Yes ☒ No ☐

(c) Which States (including your own) are member of the joint body? (Please list): [fill in] Lithuania, Latvia

(d) Does the joint body 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): [fill in]*

- A subsidiary body or bodies

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

- Other features (please list): [fill in]
(e) What are the tasks and activities of this joint body (art. 9, para. 2)\textsuperscript{9}

- 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
- 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]

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

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

\textsuperscript{9} 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.
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]

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

No cooperation

They have observer status

Other (please describe): [fill in]

(h) Does the joint body or its subsidiary bodies meet regularly?
Yes ☒/No ☐

If yes, how frequently does it meet? [fill in]

(i) What are the main achievements with regards to the joint body?: [fill in]

(j) Are representatives of international organizations invited to the meetings of the joint body (or bodies) as observers?
Yes ☐/No ☒

(k) Did the joint body ever invite a coastal State to cooperate (art. 9, paras. 3 and 4)?
Yes ☐/No ☒

If yes, please give details. If no, why not?: [fill in]

4. Is there a joint or coordinated management plan (such as an action plan or a common strategy) or have joint objectives been set specifically on the transboundary waters subject to cooperation (art. 9, para. 2 (f))? 
Yes ☒/No ☐

If yes, please provide further details: [fill in]

Implementing EU Water framework directive 2000/60/EC was developed common part in Lithuanian and Latvian river basins management plans devoted to transboundary water bodies.

5. How is the transboundary basin, river, lake or aquifer protected, including the protection of ecosystems, in the context of sustainable and rational water use (art. 2, para. 2 (b), and art. 3, para. 1 (i))?
Afforestation

Restoration of ecosystems

Environmental flow norms
Groundwater measures (e.g., protection zones)

Other measures (please list): [fill in]

6. (a) Does your country exchange information and data with other riparian States in the basin (art. 13)?
   Yes ☒/No ☐
   (b) If yes, on what subjects are information and data exchanged?
   Environmental conditions (art. 13, para. 1 (a)) ☒
   Research activities and application of best available techniques (arts. 5, 12 and 13, para. 1 (b))
   Emission monitoring data (art. 13, para. 1 (c))
   Planned measures taken to prevent, control or reduce transboundary impacts (art. 13, para. 1 (d))
   Point source pollution sources
   Diffuse pollution sources
   Existing hydromorphological alterations (dams, etc.)
   Discharges
   Water abstractions ☒
   Future planned measures with transboundary impacts, such as infrastructure development
   Other subjects (please list): [fill in]
   (c) Is there a shared database or information platform?
   Yes ☐/No ☒
   (d) Is the database publicly available?
   Yes ☐/No ☒
   If yes, please provide the web address: [fill in]
   (e) What are the main difficulties and challenges to data exchange, if applicable? (please describe): [fill in]
   (f) What are the main benefits of data exchange on the transboundary waters subject to cooperation? (please describe): creation of high quality and compatible information system on transboundary aquifers, which will be used in future for common assessment of groundwater quality and quantity as well as modelling, needed to develop river basin management plans and develop plans of measures, if needed.

7. Do the riparian States carry out joint monitoring in the transboundary basin, river, lake or aquifer (art. 11, para. 1)?
   Yes ☒/No ☐
   (a) If yes, what does the joint monitoring cover?
<table>
<thead>
<tr>
<th>Covered?</th>
<th>Hydrological</th>
<th>Ecological</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Border surface waters</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters in the entire basin</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Surface waters on the main watercourse</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Connected aquifers (or groundwaters)</td>
<td>☒</td>
<td>☒</td>
<td>☐</td>
</tr>
</tbody>
</table>
Unconnected aquifers (or groundwaters) ☒ ☒ ☐ ☐ ☐

(b) If joint monitoring is carried out, how is this done?
   National monitoring stations connected through a network or common stations ☒
   Joint and agreed methodologies ☒
   Joint sampling ☐
   Common monitoring network ☐
   Common agreed parameters ☐

(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, river, lake or aquifer (art. 11)?
   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: [fill in]

9. Have the riparian States agreed to use joint water quality standards?
   Yes ☐/No ☒
   If yes, is the basis an international or regional standard (please specify which) or has it been adapted from the national standards of the riparian States?: [fill in]

10. What are the measures implemented to prevent or limit the transboundary impact of accidental pollution (art. 14)?
    Notification and communication ☐
    Coordinated or joint alarm system for accidental water pollution ☐
    Other (please list): [fill in]
    No measures ☐
    If not, why not? What difficulties does your country face in putting in place such measures?: [fill in]

11. What are the measures implemented to prevent or limit the transboundary impact of extreme weather events (art. 14)?
    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 (art. 15)?
   Yes ☐/No ☐
   If yes, please provide a brief summary: [fill in]

13. Are the public or relevant stakeholders involved in transboundary water management in the basin, river, lake or aquifer? (art. 16)?
   Yes ☑/No ☐
   If yes, how? (please tick all applicable) (Please note: If your country is a Party to the Convention on Access to Information, Public Participation in Decision-making and Access to Justice in Environmental Matters (Aarhus Convention), you may refer to your country's report under that Convention.):
   - Stakeholders have observer status in a joint body ☐
     If yes, please specify the stakeholders for each joint body: [fill in]
   - Availability of information to the public ☐
   - Consultation on planned measures or river basin management plans ☐
   - Public involvement ☐
   - Other (please specify): [fill in]

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

---

* Or, where applicable, aquifer management plans.
III. Calculation of SDG indicator 6.5.2

Methodology

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

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

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

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

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

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

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

Calculation of indicator 6.5.2

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

- the country/ies with which the basin is shared;
- the surface area of these basins (the catchment of rivers or lakes and the aquifer in the case of groundwater) within the territory of your country (in km²); and

- the surface area of these basins within the territory of your country which is covered by a cooperation arrangement that is operational according to the above criteria (please consider the replies to the questions in section II, in particular questions 1, 2, 3, 4 and 6).

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

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

<table>
<thead>
<tr>
<th>Name of transboundary / 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>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>Nemunas</td>
<td>Belarus, Poland, Russia</td>
<td>46 626</td>
<td>0</td>
</tr>
<tr>
<td>Venta</td>
<td>Latvia</td>
<td>6 307</td>
<td>6 307</td>
</tr>
<tr>
<td>Daugava</td>
<td>Latvia, Belarus</td>
<td>1 875</td>
<td>1 875 (operational agreement is only with Latvia)</td>
</tr>
<tr>
<td>Lielupē</td>
<td>Latvia</td>
<td>8 917</td>
<td>8 917</td>
</tr>
</tbody>
</table>

**Total surface area of transboundary basins / sub-basins of rivers and lakes covered by operational arrangements within the territory of the country (in km²) [A]**

(Do not double count sub-basins)

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

(Do not double count sub-basins)
Transboundary aquifers [please add rows as needed]

<table>
<thead>
<tr>
<th>Name of the transboundary aquifer</th>
<th>Countries shared with</th>
<th>Surface area (in km$^2$) within the territory of the country</th>
<th>Covered by an operational arrangement (yes/no)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pernian-Upper Devonian of Venta and Lielupe RBD</td>
<td>Latvia</td>
<td>6278 (Venta RBD) + 1052 (Lielupe RBD) Total - 7330</td>
<td>Yes</td>
</tr>
<tr>
<td>Upper Devonian + Upper-Middle Devonian of Lielupe RBD</td>
<td>Latvia</td>
<td>7825</td>
<td>Yes</td>
</tr>
<tr>
<td>Quaternary Daugava RBD</td>
<td>Latvia Belarus</td>
<td>455 1412</td>
<td>Yes No</td>
</tr>
<tr>
<td>Quaternary Nemunas RBD</td>
<td>Belarus Poland</td>
<td>7707 1469 Total - 9176</td>
<td>No Yes</td>
</tr>
<tr>
<td>Cretaceous Nemunas RBD</td>
<td>Russia</td>
<td>7845</td>
<td>No</td>
</tr>
<tr>
<td><strong>Sub-total: surface area of transboundary aquifers covered by operational arrangements (in km$^2$)</strong></td>
<td></td>
<td>17079</td>
<td></td>
</tr>
<tr>
<td><strong>Total surface area of transboundary aquifers (in km$^2$)</strong></td>
<td></td>
<td>34043</td>
<td></td>
</tr>
</tbody>
</table>

Indicator value for the country

\[
\frac{(A + C)}{(B + D)} \times 100\% = \\
\frac{(17099+17079)}{(63725+34043)} \times 100 \approx 34.9
\]

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:

Lithuania has operational agreement with Poland on Neman but we have no calculation on the basin area because Lithuania is a downstream country and we have no methodology to calculate the area of basin of border water bodies.

---

1 For a transboundary aquifer, the extent is derived from the aquifer system delineation which is commonly done relying on information of the subsurface (notably the extent of geological formations). As a general rule, the delineation of aquifer systems is based on the delineation of the extent of the hydraulically connected water-bearing geological formations. Aquifer systems are three-dimensional objects and the aquifer area taken into account is the projection on the land surface of the system. Ideally, when different aquifer systems not hydraulically connected are vertically superposed, the different relevant projected areas are to be considered separately, unless the different aquifer systems are managed conjunctively.
Lithuania and Poland have agreement on concrete water bodies, but we do not have decision on the surface area around these water bodies. At this time, we are working on surface area designation. We would like to keep the question mark in the table on “Surface area of the basin/sub-basin (in km²)” covered by an operational arrangement within the territory of the country” on the cooperation with Poland.

Also Latvia does not have operational agreement with Belarus regarding Daugava river basin. Therefore, calculations are not precise.

Spatial information

If a map (or maps) of the transboundary surface water catchments and transboundary aquifers (i.e. “transboundary basins”) is available, please attach them. Ideally, shapefiles of the basin and aquifer delineations that can be viewed in Geographical Information Systems should be sent.
IV. Final questions

1. What are the main challenges your country faces in implementing the Convention and cooperating on transboundary waters? (Please describe): [fill in]

Most challenging is cooperation with neighbouring countries outside European Union because of different legislation and time schedules for water resources management.

2. What have been the main achievements in implementing the Convention and cooperating on transboundary waters? What were the keys to achieving that success? (Please describe concrete examples): [fill in]

3. Name and contact details of the person(s) who filled out the questionnaire (please insert):

Gintare Bevainiene
Water department
Water policy division
Chief desk officer
Phone number: +370 706 6504
E-mail: gintare.bevainiene@am.lt

Date: [2017-05-30, last correction 2018-02-13] Signature: [fill in]

4. Please include any additional information on the process of preparing the report (e.g., whether there was an exchange or consultation within the joint body or with riparian countries), in particular which institutions have been consulted (please describe): [fill in]

There were brief consultations with National Board of Water Management of Poland.

5. If you have any other comments please add them here (insert comments): [fill in]

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