PROJECT APPLICATION FORM

Project identification

Project title	Improving the quality of shared water assets in Est-Rus border area
Project Acronym	PureWater
Project number	ER54
Programme thematic objective	TO 6 Environmental protection, climate change mitigation and adaptation
Programme specific area	Improving the quality of shared water assets by reducing their pollution load
Name of the lead partner organisation/original language	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
Name of the lead partner organisation/English	Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki
Project duration in months	24 months 0 days
Start date	01.03.2020
End date	28.02.2022
Date of submission	14.02.2018

Project summary

Please give a short overview of the project and describe:

- the common challenge of the programme area you are jointly tackling in your project;
- the overall objective of the project and the expected change your project will make to the current situation;
- the main outputs you will produce and who will benefit from them;
- the approach you plan to take and why is cross-border approach needed;
- what is new/original about it?

Please note that, in case of approval, parts of this summary will be published on the programme's web site. It should be clear, easily readable, self-explanatory and without references to other parts of the application form and other documents.

Please pay attention that all the questions are answered!

Water is an essential natural resource. Living beings cannot survive without a pure water. It also important for household as well as for industrial use. It is the source of power, facility for tourism, fishing and farming.
Water and its management, protection and distribution remains one of the 21st century's most important local, regional and national as well as transboundary issues.
Cleanliness of rivers flowing through different countries, - lakes and seas the shores of which are located in different countries have thus very important role in protection of common water resources and in creation of livable environment. A large Lovat river flows through the city of Velikiye Luki and then to the Lake Peipsi income water system, and variety of water bodies from the Alutaguse area runs to Lake Peipsi through the network of streams. The ecological status of both watersheds has a significant impact on the common water resources (including the basin of Peipsi and Pskov lakes) in the Program area.
In the Estonian-Russian cross-border region, the following problems have been identified:
1) Technology and equipment used in wastewater treatment leads to the risk of pollution of common water resources.
2) In the Estonian-Russian cross-border region there are good examples about efficient technologies and scientific approaches used in the wastewater treatment but this knowledge is not widespread.
Developing cross-border approaches to water management and protection of shared water assets allows the ecologically sustainable use of natural resources while improving the social and economic conditions and quality of life of people in the region. Cross-border cooperation for improving the quality of shared water assets by reducing their pollution load is focused on solving common problems of the region - protecting common water resources, thus environment and biodiversity.
The main objective of the PureWater project is to ensure in a long run a decent living environment, high quality of common water resources (especially Lovat river and underground streams in Alutaguse area) while improving the management of wastewater treatment technologies, increasing the expertise and awareness about wastewater treatment technologies and protection of water resources in the Estonian and Russian border areas.
Project activities have been planned and designed in such a way that they contribute as effectively as possible to meet the objectives of the project.
The main project activities are:
• Improvement of wastewater treatment facilities in Velikiye Luki and Alutaguse;
• Study on improvement of water treatment technology in Velikiye Luki;
• Action plans for Alutaguse administration and "Vodokanal" in Velikie Luki for protection of water resources;
• Developing a manual for water companies and municipalities on improvement of water treatment technologies and corresponding policies in both countries in order to diminish the risk of pollution of water assets, including an overview of environment regulations and normative;
• Arrangement of workshops for specialists (municipalities, professionals of field, scientists) for spreading the knowledge and figuring out best practices available in the region (including results from improvement of wastewater facilities in Velikiye-Luki and Alutaguse and studies carried out in the project);
• Creation of cross-border network.
The PureWater project will give significant added value while fulfilling the main objectives:
• Improved ecosystems in water bodies will create socio-economic benefits for inhabitants of of Estonia and Russia border regions;
• Creation of the network of experts in field of wastewater treatment and protection of environment as well as knowledge exchange in the Program area.
Raised awareness and enhanced professional capacity of professionals and politicians creates a good basis for a long-term and sustainable environmental policy-making in the region.
Project activities and results derived from them have far-reaching positive effect for overcoming the borders of the cities participating in the project, as well as of the program area. Knowledge which will shared with help of the project activities will help shape the long-term and sustainable strategies for the environment and the introduction of more efficient technologies in the wastewater treatment in other cities and regions that are not directly engaged in the project.
Project activities will contribute to the execution of local, regional as well as national and international strategies like European Water Initiative and others, thus having a much broader meaning.

Technological novelties implemented by partners will be observed within the project and communicated outside the project. Different involvement methods will be used in implementation of project activities.

Programme Co-financing (based on information filled in sections Partners and Partner budget)

Partner			Programme co-financing			Contribution			Total eligible
Partner	Partner abbreviation	Country	EE-RU CBC	EE-RU CBC co-financing(%)	Percentage of total EE-RU CBC	Public contribution	Private contribution	Total contribution	
Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки	Vodokanal VL	RUSSIA	266 814,00	90,00 %	55,15 %	29 646,00	0,00	29 646,00	296 460,00
Alutaguse Vallavalitsus	Alutaguse Municipality	EESTI	216 976,15	75,67 %	44,84 %	69 763,85	0,00	69 763,85	286 740,00
Subtotal for partners inside			483 790,15	82,95 %	100,00 %	99 409,85	0,00	99 409,85	583 200,00
Subtotal for partners outside			0,00	---	0,00 %	0,00	0,00	0,00	0,00
Total			483 790,15	82,95 %	100,00 %	99 409,85	0,00	99 409,85	583 200,00

Programme output indicators and your contribution

Programme output indicators and your contribution (based on information filled in the Work package list section)				
Programme output indicators	Project's target (total)	Measurement unit	Project's targets	Output code
The number of projects that are related to the purification of common water assets	1,00	Number	1,00	T1.1.1
			0,00	I1.1.1
			0,00	I2.1.1

PROJECT PARTNERS

Partner list

Number	Name	Region	Inside programme area	Abbreviation	Role	Associated to
1	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки	Pskov Oblast	Yes	Vodokanal VL	LP	
2	Alutaguse Vallavalitsus	Kirde-Eesti	Yes	Alutaguse Municipality	PP	
3	АДМИНИСТРАЦИЯ г. Великие Луки	Pskov Oblast	Yes		AP	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
4	Комитет по экономическому развитию и инвестиционной политике Псковской области	Pskov Oblast	Yes		AP	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
5	Alutaguse Haldus OÜ	Kirde-Eesti	Yes		AP	Alutaguse Vallavalitsus

Partnership Description

Partnership Concept. Describe the relevance of partners and their need of involvement.
The wide project partnership of the project is composed by actors, responsible for waste water treatment management: 1) owned by municipalities water companies which are offering waste water treatment services and 2) municipalities which are responsible for long-term planning of development startegies of water companies and local environment strategies. The project has two implementing partners : water company of Velikiye Luki -"Vodokanal", Alutaguse municipality and three associated partners : Administration of Velikyie-Luki City, Commitee for economic development and investment policy of the Pskov region, Alutaguse Haldus OÜ. The composition and roles of partners have been elaborated in a way to ensure a best quality of implementation of the project and achieved aims of the project.
Strategic Partnership. Please describe the role of each partner and expected benefit for the project.
Water company of Velikiye Luki - "Vodokanal" has the necessity of sewage treatment system modernization and needs cooperation to define long term environment and technological strategies, implement new efficient technologies and improve their waste water treatment systems. Vodokanal will mainly benefit from the knowledge and work done in Alutaguse in improving waste water threatment technologies and use of silt sediment. Alutaguse have been forced in the last 20 years due to stricter environmental requirements to modify their waste water treatment technology. Lessons learned are useful for carrying out the project. As technologies are in continious development thus the development of waste water treatment technologies is endless process. Alutaguse will benefit from lessons learned in Velikyie-Luki on development of their waste water treatment technologies and environment strategies. Moreower, in the 90´s both partners have been in a relatively similar situation in terms of structure, human resources, knowledge and technologies. Alutaguse municipality has been selected as a partner experienced in management of international projects and as the one of the Estonian municipality which permanently looking for a new and efficient solutions to improve the waste water treatment systems. Both partners will benefit in strengthening their capacities, knowledge and skills in waste water treatment technologies and environment protection. Gained new knowledge and experiences from cross-border cooperation will serve as additional benefit from the project.
Associated partners. Please describe role of each associated partner (if any).
Involved associates are responsible for planning the development of wastewater treatment systems and local environment policies. In the project associated partners will mainly contribute to improvement of water treatment technologies and maintaining of the waste water treatment facilities in both countries and ensure the smooth implementation of the project. Associated partners will provide support and transfer of project outputs and results within the project. As the local authorities have a crucial role in shaping the long-term strategy of water companies there is hard to underestimate their role in the project. Committee for economic development and investment policy of the Pskov region will provide assistance to the RU Lead partner in project management.

Project partners

Project partner 1

Partner role in the project	LP
Name of organisation in original language	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
Name of organisation in English	Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki
Abbreviation of organisation	Vodokanal VL
Department/unit/division	Financial Department
Address	
Area	RUSSIA (RU)
Country	Russia (RU00)
Region	Pskov Oblast (RU003)
Postal code	182113
City	Velikiye-Luki
Street	Vodoprovodnyi
House number	10
Homepage	http://www.vodokanal-vl.ru
Legal and Financial Information	
Type of Partner	Other bodies that are governed by public legal acts, (e.g., municipal and national enterprises, trade unions, medical institutions, museums, etc.)
Legal status	public
Co-financing rate (%)	90.00
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	Yes
VAT Number	6025001060
Registration number	
Legal Representative	
First name	Evgeny
Last name	Shumailov
E-mail address	vodokanal-vl@yandex.ru
Phone number	+7 81153 36432
Contact Person	
First name	Zhanna
Last name	Malkevich
E-mail address	malkevich-z@mail.ru
Phone number	+7 81153 30543
Experiences of partner Which are the organisation's experiences and thematic competences and experiences relevant for the project?	In 2017 the municipal enterprise "Vodokanal" of the city of Velikiye Luki celebrated its 80th anniversary. Company maintains 226.49 km of water supply networks, 157.54 km of sewage water networks, waste water treatment units and other facilities needed for supply of fresh water and treat sewage water. There are 452 employees in the company. Company has all needed competences and resources for successful implementation of the project.

Benefit What is the benefit for the organisation from participating in the project?	Vodokanal will benefit from participating in the project in different ways. From the improvement of water treatment technology and from studies and workshops carried out in the project. As Alutaguse and Velikiye-Luki have had a similar preconditions (water treatment technology in 1990´s) then improvement made in Alutaguse during last 20 years and gained knowledge are for great benefit to learn. Vodokanal will benefit in strengthening their capacities, knowledge and skills in waste water treatment technologies and environment protection. Gained new knowledge and experiences from cross-border cooperation will serve as additional benefit from the project. For Vodokanal is important to have fruitful first time experience in implementation of international cooperation project.
Other projects Please describe the organisation's experience (if any) in participating in and/or managing international/EU co-financed projects/ national projects or other projects.	Vodokanal have no experience in international cooperation programmes (including EU co-financed projects). Vodokanal have a wide experience in local and regional special-purpose programmes of development and modernization. More then five objects were renovated in the frame of the state regional programme «Pure Water of Pskov region 2012-2017», e.g. the construction of the pumping station, renovation of the circled water-supply line, modernization of biochemical reactors at water sanitation station and reconstruction of equipment for chlorine water production in this list. In 2019 Vodokanal attends the Federal Programme "Providing the people of the region with quality habitation and public utilities for 2014-2020 years".

Project partner 2

Partner role in the project	PP
Name of organisation in original language	Alutaguse Vallavalitsus
Name of organisation in English	Alutaguse Municipality Government
Abbreviation of organisation	Alutaguse Municipality
Department/unit/division	n/a
Address	
Area	EESTI (EE)
Country	Eesti (EE00)
Region	Kirde-Eesti (EE007)
Postal code	41101
City	Iisaku alevik
Street	Tartu
House number	56
Homepage	www.alutagusevald.ee
Legal and Financial Information	
Type of Partner	National, regional and local public authorities
Legal status	public
Co-financing rate (%)	75.67
Is your organisation entitled to recover VAT based on national legislation for the activities implemented in the project?	No
VAT Number	
Registration number	77000281
Legal Representative	
First name	Tauno
Last name	Võhmar
E-mail address	Tauno.vohmar@alutagusevald.ee
Phone number	+372 5013506
Contact Person	

First name	Taavi
Last name	Vogt
E-mail address	Taavi.vogt@alutagusevald.ee
Phone number	+372 5555 3487
Experiences of partner Which are the organisation's experiences and thematic competences and experiences relevant for the project?	There is a wastewater treatment plant EKE B14 / 21 in Kuremäe settlement (wastewater collection area RKA0440111; KKR code PUH0440390). The activated sludge treatment plant EKE B14 / 21 was built in 1973. The wastewater treatment plant has no technical building and the tank and equipment for the phosphorus removal chemical is practically in snow. Today, the old equipment can only serve 100 people. Kuremäe village and its vicinity are located in the central part of Ida-Virumaa. Kuremäe is an attraction in the region for tourism and living, runnig business. The nearest cities of Kuremäe are Jõhvi and Kohtla-Järve. Kuremäe village crosses the Jõhvi - Vasknarva road. The Kuremäe settlement houses the Kuremäe Abbey, Kuremäe Elementary School (not working), now the Teachers' House, Kuremäe Family Medical Center and Library, public toilets in summer, two cafes and a hostel, 2 shops and a post office. Kuremäe settlement has a public water supply and sewerage system in the southern part of the settlement. In the northern part of the settlement only a small part of the population has public water supply and there is no public sewerage system. Wells are used to collect wastewater. According to the Alutaguse Rural Municipality Public Water Supply and Sewerage Development Plan, it is planned to partially reconstruct and expand the water supply and sewerage system of Kuremäe settlement in the first order.
Benefit What is the benefit for the organisation from participating in the project?	With the new equipment it is possible to provide a sewage treatment service for all inhabitants of Kuremäe settlement and for a large number of tourists visiting Kuremäe monastery. The project complies with Alutaguse Municipality Sewerage and Development Plan 2016-2028. Alutaguse rural municipality government is responsible for water and sewerage in its administrative area. Alutaguse rural municipality owns the operator company Alutaguse Haldus OÜ, which manages all water and sewerage objects throughout Alutaguse municipality, (6 wastewater treatment plants and 14 km. sewerage pipelines and more than 40 water pumping stations and 200 km. water pipe). Alutaguse Haldus OÜ has sufficient work experience in this field. Within the framework of this project it is very important to clean the Soonpea ditch, which is directly connected to the 42 Kurtna Lakes, which is protected by nature, it is very important from the ecological point of view to quickly reconstruct the Kuremäe wastewater treatment plant. Exchange of experience with partners is also very important in this project.
Other projects Please describe the organisation's experience (if any) in participating in and/or managing international/EU co-financed projects/ national projects or other projects.	Alutaguse Municipality has participated as partner in cultural projects with EU support and now is the project partner in the LIP "Common Peipsi 2" and the ER-126 "Local Fire" projects of the CBC Programme "Russia – Estonia" for 2014 - 2020

Associated partner 3

Partner role in the project	AP
Name of organisation in original language	АДМИНИСТРАЦИЯ г. Великие Луки
Name of organisation in English	Administration of Velikiye-Luki City
Associated to partner	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
Address	
Area	RUSSIA (RU)
Country	Russia (RU00)
Region	Pskov Oblast (RU003)
Postal code	182112
City	Velikiye-Luki
Street	Lenina
House number	1
Legal Representative	
First name	Ljubov
Last name	Romanova
E-mail address	vluki@reg60.ru
Phone number	(81153) 3-64-50
Contact Person	
First name	Jury
Last name	Vlasjuk
E-mail address	vluki@reg60.ru
Phone number	(81153) 3-86-40
Role Partner's role in the project	Partner is an owner of the Vodokanal and local policy maker. Velikiye-Luki Administration will attend workshops organised by the project and participate in drafting of manual created in the project.
What is the benefit for the organisation from participating in the project?	Velikiye-Luki Administration as owner of the Vodokanal and local policy maker have a crucial role in designing a long-term development strategy of Vodokanal and local environment policies. Velikiye-Luki Administration will rise awareness in environmental aspects and developments in waste water treatment in the region. In cooperation with partners Velikiye-Luki Administration will have an opportunity to design long-term strategies in the field in Est-Rus border areas to protect common water resources.

Associated partner 4

Partner role in the project	AP
Name of organisation in original language	Комитет по экономическому развитию и инвестиционной политике Псковской области
Name of organisation in English	Committee for economic development and investment policy of the Pskov region
Associated to partner	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
Address	
Area	RUSSIA (RU)
Country	Russia (RU00)
Region	Pskov Oblast (RU003)
Postal code	180001
City	Pskov
Street	Nekrasov
House number	23
Legal Representative	
First name	Andrey
Last name	Mikheev
E-mail address	economics@obladmin.pskov.ru
Phone number	(8112) 299-729
Contact Person	
First name	Maria
Last name	Bulatova
E-mail address	bulatova_maria@mail.ru
Phone number	(8112) 299-729 (146)
Role Partner's role in the project	Committee for economic development and investment policy of the Pskov region is acting as the regional administrator of all international and CBC programmes within the region and provide administrative support in project management to any partner from the Pskov region. It also the member of steering bodies of a number of the ENI programmes and projects (as regular, Lead or as associated partner). The committee also supportes partners of Pskov region in the project implementation issues and Russian national procedures.
What is the benefit for the organisation from participating in the project?	The fruitful implementation of the project contributes to the strategic priorities of the development of the Pskov region till 2020 and give experience to the new regional partner thus extending the geography of the CBC cooperation and results of the RU-EE Programme within the Pskov region.

Associated partner 5

Partner role in the project	AP
Name of organisation in original language	Alutaguse Haldus OÜ
Name of organisation in English	Alutaguse Administrative Ltd.
Associated to partner	Alutaguse Vallavalitsus
Address	
Area	EESTI (EE)
Country	Eesti (EE00)
Region	Kirde-Eesti (EE007)
Postal code	41301
City	Mäetaguse
Street	Kooli
House number	7
Legal Representative	
First name	Margus
Last name	Paalo
E-mail address	paalo@alutagusehaldus.ee
Phone number	+372 511 5088
Contact Person	
First name	Margus
Last name	Paalo
E-mail address	paalo@alutagusehaldus.ee
Phone number	+372 511 5088
Role Partner's role in the project	Associated Partner is the operator of the municipal wwtfs. Staff of the AP will attend workshops organised by the project and will maintain the new wwtfs in Kuremae after the end of the project.
What is the benefit for the organisation from participating in the project?	As a result of the project, the involved partners will be able to start using a completely new wastewater treatment plant and provide services to the Kuremäe population of Alutaguse municipality

PROJECT DESCRIPTION

Project relevance

Cross-border Challenge What are the common cross-border challenges that will be tackled by the project? Please describe the relevance of your project for the programme area in terms of common challenges and/or joint assets addressed?
Water and its management, -protection and -distribution remains one of the 21st century's most important local, regional and national as well as transboundary issues. Increasingly accelerating urbanization in the global meaning combines the risk of pollution of the environment and water resources precisely into settlements, and therefore it is extremely important to pay attention to the purification of wastewaters. Cleanliness of rivers and streams flowing through the different relieves, lakes and seas the shores of which are located in different countries have thus very important role in protection of common water resources and in creation of liveable environment for living beings. There is a large Lovat river in Velikye-Luki and numerous small steams both in Alutaguse and Pskov region on the way of Lovat river. Water is flowing by them to the Peipus and Pskov lakes direction. Within the framework of this project it is very important to clean the Soonpea ditch, which is directly connected to the 42 Kurtna Lakes, which is protected by nature, it is very important from the ecological point of view. Environmental status of the river and all water bodies have significant influence on common water resources in the program area especially on basin of Peipus Lake and Pskov Lake. In the Estonian-Russian cross-border region, the following problems have been identified: 1) Technology and equipment used in wastewater treatment leads to the risk of pollution of common water resources. 2) In the Estonian-Russian cross-border region are good examples of efficient technologies and scientific approaches used in the wastewater treatment but this knowledge is not widespread. Water companies (responsible for treatment of wastewater and efficient use of water resources) and local authorities have a crucial role in improving the region's environmental conditions and long-term environmental strategies. Developing cross-border approaches to water management and protection of shared water assets allows the ecologically sustainable use of natural resources while improving the social and economic conditions and quality of life of people in the region. Cross-border cooperation for improving the quality of shared water assets by reducing their pollution load is focused on solving common problems of the region - protecting common water resources, thus environment and biodiversity. Making crossborder RU-EE area more attractive for the population to live in and ensure liveable environment for future generations, can only be done through local territorial development coordinated by the border territories. PureWater project will contribute to the joint vision, share experiences and facilitate networking between urban actors and managers dealing with wastewater management in Estonia-Russia border area. This networking will create longlasting cross-border cooperative platform. The main objective of the PureWater project is to ensure in a long run a decent living environment, high quality of common water resources (especially Lovat river, Peipsi Lake, Pskov Lake and numerous small streams and bogs) while improving the management of wastewater treatment, technologies of wastewater treatment, increasing the expetise and awareness about wastewater treatment technologies and protection of water resources in the Estonian and Russian border areas. The safe and clean environment have been one of the indicators to measure the attractiveness of any region. Having implemented jointly different wastewater treatment management activities, the Programme area will be more attractive, thus increasing competitiveness of the region.
Project approach What is the project's approach in addressing these common challenges and/or joint assets and what is new about the approach the project takes? Please describe new solutions that will be developed during the project and/or existing solutions that will be adopted and implemented during the project lifetime and in what way the approach goes beyond existing practice in the sector/programme area/participating countries.

The project deals with the programme thematic objective: "TO 6 -Environmental protection, climate change mitigation and adaptation"
with specific area "Improving the quality of shared water assets by reducing their pollution load" and will contribute to the several aspects:
a) Best practices and management of wastewater treatment technologies - planned jointly to treat wastewater in efficient way in the cross-border area while protecting common water resources.
b) Awareness of wastewater technologies and protection of environment is raising - the project aims at increasing awareness and capacities in the wastewater management by the elaborating joint information and experiences and testing wastewater technologies.
c) Creation of cross-border network - the project aims at strengthening cooperation among the stakeholders (municipalities, water companies, technology providers, other stakeholders) in the Programme area.
d) Improvement of wastewater treatment technologies in border areas of Estonia and Russia.
Today there is no lasting and sustainable cross-border cooperation between the water companies and local authorities of the programme area for sustainable use and protection of common water resources. One of the aims of the project is the elimination of the deficit and to create a common professional cross-border network.
During the project realisation will be improved wastewater treatment systems in Velikiye-Luki and Alutaguse. The implementation of a new technological and technical solutions allows to achieve even better results in wastewater treatment and spread experiences gained within the professional network in order to enhance capacity of professionals in the region and thus pave the way for more efficient investments in the future into wastewater treatment systems. As a result the capacity of managers and decision-makers will continously rise with time.
There is implemented innovative technological solutions in Velikyie-Luki and Alutaguse which are of interest to another project partners and deserve of wider introduction. In Velikyie-Luki developed an unique biochemical method for purifying water from hydrogen sulphide and its compounds by aeration and biochemical oxidation by sulfur bacteria. In Alutaguse, significant progress will be made in providing a sewage treatment service for all inhabitants of Kuremäe settlement and for a large number of tourists visiting Kuremäe monastery. These and also other solutions not listed here will be observed in more close and taken into account when elaborating activity plans for both partners.
Project activities and results derived from them have far-reaching positive effect for overcoming the borders of the cities participating in the project, as well as of the program area. Knowledge which will shared with help of the project activities will help shape the long-term and sustainable strategies for the environment and the introduction of more efficient technologies in the wastewater treatment in other cities and regions that are not directly engaged in the project.

Cooperation Reason

Why is cross-border cooperation needed to achieve the projects objectives and result?

Please explain why the project goals cannot be efficiently reached acting only on a national/regional/local level and/or describe what benefits the project partners/target groups/project area gain in taking a cross-border approach.

Cross-border cooperation in wastewater treatment management and protection of common water resources is needed in the region as Estonia and Russia have extensive joint water resources in the area. There are a lot of different water bodies in the both partner teritories having direct connection to common water bodies.
The project have many elements of cooperation :
• Joint planning and exploitation of efficient wastewater treatment technologies.
• Providing new outlook for management on wastewater treatment in the area.
• Press releases, articles, manual and other tools will be the focal point for achieving knowledge and improving skills in the field of the wastewater management and protection of common water resources.
• The cooperation and establishment of the permanent international cross-border network of the water companies, actors from local municipalities and stakeholders from the Estonia (Ida-Viruma region) and Russia (Pskov Oblast).
The goal of the project is to protect common water resources and a common natural environment. This is not only enough if efforts are being made to protect shared water resources in one area of the region and not in another. The result is, in the end, a damaged environment that affects the entire region. Therefore, it is particularly important for the region to carry out extensive and coordinated co-operation and form a common understanding of what our living environment (ecosystem) should be in the future and what we can / must work together to achieve the situation.
It is important to exchange best practices and experiences and formulate long-term joint strategies. Processes in the natural environment usually take a very long time and often we fail to prioritize the impact of one or the other activity in the long run. Thus the exchange of information and experiences is crucial to achieve of project objectives.
As a result of joint and coordinated activities, project partners and stakeholders will expand their knowledge base in waste water treatment (management, technologies) and as a result of joint investment activities, they will gain experience in increasing the efficiency of wastewater treatment. This new information and gained experiences will be reflected in activity plans and manual created within the project and serve as long term policy documents for the region leading politicans and managers in decision processes.
However, the whole region will finally gain a cleaner and more sustainable living environment for future generations.

Cooperation Criteria

Please select all cooperation criteria that apply to your project and describe how you will fulfil them.

Criteria	How you will fulfil
Joint Development	In the project will be jointly studied waste water treatment technologies and regulations. Commonly will be compiled a manual for water companies and municipalities in the region.
Joint Implementation	In cooperation of partners will be carried out communication activities (waste water management, protection of environment) and workshops to spread the knowledge gained from project and to find solutions for common problems - how to protect and preserve common water resources.
Joint Management	Project partners will contribute to the project activities and are responsible for successful implementation of the project.
Joint Financing	Jointly will be financed project meetings, workshops and communication activities. Partners will jointly contribute their working time into most project activities.

Project focus

Programme TO (thematic objective) specific area
Improving the quality of shared water assets by reducing their pollution load
Project Main Overall Objective What is the main overall objective of the project and how does it link to the programme objective? Specify one project main objective and describe its contribution to the programme priority specific objective.
The main objective of the PureWater project is to ensure in a long run a decent living environment, high quality of common water resources while improving the management and technology of wastewater treatment, increasing the expertise and awareness about wastewater treatment technologies and protection of water resources in the Estonian and Russian border areas.
Programme Result Indicator Select one programme result indicator your project will contribute to.
Increased capacity in environmental protection for joint water assets
Project Main Result What are the project main results and how do they link to the programme result indicator? Specify your one or more projects main results and describe their contribution to the programme result indicator.
Programme strategic objective TO 6 "Environmental protection, climate change mitigation and adaptation" is targeted for increasing readiness to eliminate pollution in the Lake Peipsi/Chudsko-Pskovskoe and to prevent pollution of more then 42 lakes in Kurtna area (in relation to equipment, joint activities, and reaction). Project activities will directly contribute to fulfill this objective and to achieve programme result indicator - increased capacity in environmental protection of joint water assets. Improved wastewater technology and management as a result of the developing cross-border approaches to water management and protection of shared water assets allows the ecologically sustainable use of natural resources while improving the social and economic conditions and quality of life of people in the region. The main result of the project is enhanced capacity of protection of common water resources and rised capacity of management of wastewater treatment among professionals in the field and also other stakeholders and public in the programme area. Improved wastewater technologies enables to protect ecosystems (accompanying the ecosystem of the Peipsi Lake, Pskov Lake) for future generations; Project activities will contribute to the execution of local, regional as well as national and international strategies like European Water Initiative and others, thus having a much broader meaning. At least 30 most relevant actors will improve their management capacity and awareness to manage at modern and effective level of wastewater treatment processes and policy. Manual and other info events and materials produced by the project will serve as guidance for cities' decision-makers. Public events, articles, materials available in the project webpages and cross-border network will increase the awareness of stakeholders and public in protection of common water resources.
Project Specific Objectives Which are the specific objectives the project will be working towards? Define max. 3 project specific objectives. Please provide a short explanation on the defined specific objectives

Project specific objective	Short explanation of the defined specific objective

Determine the most suitable and efficient technological solutions for wastewater treatment in programme area;	Technologies in wastewater treatment are in continuous development, but the core of the wastewater treatment will remain the same. Both partners have made great efforts during last decades to improve their technology. In cooperation of partners (including associated partners) and based on the lessons learned during last decades will be elaborated most efficient basic technologies and identified specific solutions for wastewater treatment. This knowledge will be formulated in the manual for water companies and municipalities on improvement of wastewater treatment technologies in both countries, including an overview of environment regulations and standards.
Increase the expertise level in management of wastewater treatment among professionals, municipality specialists and politicians;	Due to different conditions (knowledge available, regulations, wastewater content and quality, experiences) in the project area water companies have different approach of solving challenges emerged in wastewater treatment. Cross-border cooperation is targeted on exchange this knowledge in order to enhance expertise level of managers to reduce as a result water pollution load on shared water assets from wastewater treatment and thus improve the quality of shared water resources. Objective is targeted directly on professionals in field. Important part of the objective is based on analysis of project activities. To achieve the objective in the project will be organised workshops for specialists (municipality, professionals) and created cross-border network of experts for spreading the specific knowledge (including results from improvement of wastewater facilities in Velikiye-Luki and Alutaguse and studies carried out in the project) of wastewater treatment management and technologies.
Improvement of wastewater treatment technology in Alutaguse and Velikyie-Luki	The rapid social and economical processes in the world, including in the project area, is increasing the risk of environmental pollution in cities and attractive for business (tourism) development settlements. The growing amount of wastewater and its changing chemical composition are placing increasing demands on wastewater treatment technology. The project seeks to improve wastewater treatment technologies in Alutaguse and Velikyie-Luki with the help of investments. The technical solutions to be used will reduce the environmental risks of waste water and reduce the environmental impact of wastewater treatment. Used solutions and results of investments will be spread among professionals on the field and as well other stakeholders.

Project context

Project Context
How does the project contribute to wider strategies and policies?
Please describe the project`s contribution to relevant strategies and policies; in particular, those concerning the project or programme area.

The project is in line with several strategies and policies.
The project will complement with:
• Overall European Union - Russia relations focusing on the border regions on both sides of the border.
• Cross Border Cooperation (CBC) what is a key element of the EU policy towards its neighbours. It supports sustainable development along the EU's external borders, helps reducing differences in living standards and addressing common challenges across these borders.
The project will contribute to fulfill main environmental policies and strategies of Programme area - Estonia and Russia:
• Environmental strategy of Estonia 2030
• Environmental doctrine of Russia
• Basic principles of state environmental policy of the Russian Federation for the period up to 2030.
Among above mentioned policies and strategies the project will also contribute to specific EU and Russian strategies and policies regulating management and usage of water resources (Directive 91/271/EEC, The Water Framework Directive 2000/60/EC, Communication of European Comission : COM/2012/0673 final, Water Code of Russian Federation).
The project will contribute as well into designing of future local and regional policies and strategies.
In the project will be drafted a manual what will be distributed among professionals, politicans and stakeholders of the programme area in order to spread the knowledge and rise their capacity/awareness about efficient wastewater treatment technologies, and environmental issues serving as input for future developments.
Project have direct impact on fulfilling local specific strategies and development plans of water supply and wastewater treatment: "Programme of complex development of communal infrastructure systems of Velikiye-Luki" in Velikiye-Luki and " Alutaguse Municipality Sewerage and Development Plan 2016-2028". The project complies with Alutaguse Municipality Sewerage and Development Plan 2016-2028. see link. Alutaguse rural municipality government is responsible for water and sewerage in its administrative area (http://www.alutagusevald.ee/uhisveevargi-ja-kanalisatsiooni-arendamise-ava-2016-2028).

Synergies
What are the synergies with other past or current EU and other -projects or EU-initiatives the project makes use of?

The project complements with aims of The European Union Water Initiative (EUWI) which supports the achievement of the water-related Sustainable Development Goals (SDGs).
EUWI is aimed to :
- improve the institutional and regulatory framework with a view to approximate to the WFD and related legislation;
- manage water in a way that contributes to water-, food- and energy security, and economic development;
- ensure access of the poor to essential water services as a basic human right;
- Improving the institutional and regulatory framework;
- encourage investment in water supply and sanitation and ensurie the financial viability of utilities;
- safeguard public health;
- contribute to peace by developing inter-state cooperative structures for water management.

Knowledge
How does the project make use of building available knowledge?
Please describe the experiences/lessons learned from previously funded EU projects the project draws on, and other available knowledge the project capitalises on.

The main tool for gathering and spreading existing knowledge are the project webpages, project public events, workshops organized by the project and also manual drafted in the project.
Both partners have long term experiences in the water management and environmental issues and according to this are competent in the field. But this knowledge is based on conditions and regulations of respective countries. In the project will be identified best examples of this knowledge and included in action plans drafted in the project in order to implement of more efficient water treatment technologies and develop environmental policies in the future.
During the development of the manual and action plans, the most obvious way is to highlight how the joint part can be implemented in the project area in the best possible way.
In the preparation phase and also in the implementation phase later of investment activities will be studied taked into account existing experiences from the region available. For this will be organized project workshops. In addition to partners in the workshops will be involved stakeholders (politicans, technology providers, academic, NGO-s) from the region and outside.
When we will talk of special technical knowledge, then In Velikyie-Luki developed an unique biochemical method for purifying water from hydrogen sulphide and its compounds by aeration and biochemical oxidation by sulfur bacteria. In Alutaguse, significant progress has been made in in providing a sewage treatment service for all inhabitants of Kuremäe settlement and for a large number of tourists visiting Kuremäe monastery. These and also other solutions (good practices) will be observed in more close and taken into account when elaborating activity plans for both partners.
EU, Estonia and Russia have all long term strategies on protection of environment and water ressources. This long term policy will be taken on a basis when in the project will be developed activity plans and manual. This experience will be spread among partners and stakeholders and also implemented within the project (workshops) as a living example.
All partners will improve their skills on project management and implementation of international projects.

Horizontal principles (cross-cutting issues)

Please indicate which type of contribution to horizontal principles applies to the project, and justify the choice.		
Horizontal principles	**Type of contribution**	**Description of the contribution**
Sustainable development (environment)	positive	The project is targeted to protect common water resources, to improve capacity in environmental protection and wastewater management and thus improve the living environment in Estonian and Russian border areas.
Equal opportunity and non-discrimination	neutral	The project is by nature non-discriminatory and gives equal opportunities for all regardless of cultural and religious background. All procurements within the project will be carried out as public.
Equality between men and women	neutral	The project have no direct impact on equality between men and women, but project partners will ensure that in project activities will be involved representatives of both genders.
HIV prevention	neutral	The project have no direct impact on HIV prevention.

Project risks

Risk 1			
Start date	End date	Risk impact	Risk likelihood
01.03.2020	28.02.2022	low	not likely
Timeline			
Risk description			
The main risk we see is that project activities will delay and put at risk the implementation of the project			
Risk mitigation			
Partners and involved parties must follow the project timeline and have sufficient resources to carry out needed activities. Involved parties keep high motivation to continuously cooperate in the field addressed. Project coordinator must keep project timeline and and take early needed preventive measures.			

Risk 2			
Start date	End date	Risk impact	Risk likelihood
01.03.2020	28.02.2022	low	not likely
Lack of cooperation and preparation			
Risk description			
There may appear a risk that preparatory works to carry out planned activities will be not good enough to achieve the goals set. Procurements may fail, partners will not find a common understanding in preparing needed documentation.			
Risk mitigation			
Hi-quality documents (tender documents, initial tasks for studies and manual) will be prepared. Partners and stakeholders will keep willingnes to cooperate. Partners have good understanding of their duties in the project. Project coordinator will arrange an efficient and clear work order within the project and explain properly duties of partners. Associated partners and stakeholders will be involved in activities as experts. The goals of the project are understood by partners and involved parties.			

Project Result Indicator

Additional thematic result indicators

Please indicate to which indicators the project results will contribute (selecting those indicators of relevance for the project scope and the planned achievements) and provide a quantification of the target together with a brief explanation specifying the expected contribution.

The whole list of indicators is performed in JOP in accordance with Thematic objectives

Thematic result indicator	Measurement Unit	Target	Explanation
The strength of joint development in products and services by businesses	Please provide only explanation, no target value is necessary	0,00	
Attractiveness of cultural and heritage sites to visitors	Please provide only explanation, no target value is necessary	0,00	
The strength of cross-border activities by institutions in education, R&D, and innovation sectors	Please provide only explanation, no target value is necessary	0,00	
The quality of the cross-border business environment	Please provide only explanation, no target value is necessary	0,00	
Accessibility of cross border social, health and sporting services, and vocational and language training	Please provide only explanation, no target value is necessary	0,00	
Increased capacity in environmental protection for joint water assets	Please provide only explanation, no target value is necessary	0,00	Capacity in environmental protection for joint water assets will be increased with help of established a cross-border stakeholder network and arranged workshops for specialist, politicians and other stakeholders within the project. The number of attendees of workshops and meetings and number of members of professional network will be the main indicators.
Increased awareness in environmental protection and energy efficiency amongst inhabitants and institutions in the Programme area	Please provide only explanation, no target value is necessary	0,00	The awareness in environmental protection among inhabitants and institutions in the Programme area will be increased with help of project progress infoletters e-mailed to stakeholders and participants of meetings, workshops and other events organised by the project. The number of project progress infoletters issued and number of recipients emailed to project newsletters will be main the indicators.
A decrease of the overall number of land- and forest fires per year	Please provide only explanation, no target value is necessary	0,00	
Annual nr of private cars crossing the border	Number	0,00	
Wait time for private cars at the BCP	Hours	0,00	
Annual nr of trucks crossing the border	Number	0,00	
Wait time for trucks at the BCP	Hours	0,00	

WORK PLAN

Work plan per work packages

Management

WP Nr	WP Title	WP Start date	WP End date	WP Budget
M	Management	03.2020	02.2022	71 107,00

WP responsible partner	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
Partner involvement	
Partners involved	Name: Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki Role: LP
	Name: Alutaguse Municipality Government Role: PP

Describe how the management on the strategic and operational level will be carried out in the project, specifically:

- structure, responsibilities, procedures for the day-to-day management and co-ordination
- communication within the partnership
- reporting and evaluation procedures
- risk and quality management
- Indicate whether the management is foreseen to be externalised

The strategic focus of WP is to provide effective and efficient overall coordination and financial management of the project. WP includes standard and reliable activities. As a project backbone WP helps to achieve all objectives set by the project. WP includes several core activities acting as milestones in this direction and daily communication based on e-mail, phone, Skype used by partners. WP activities include holding of project team meetings, forming of Steering Committee (reflects on project progress, takes decisions about next steps and/or agrees on changes etc.) and SC meetings, interim and final reports, participation in the Programme seminars. Expenditure verifications will be done for Vodokanal by external auditor hired by partner. This will substantially simplify and speed up the procedure. Audit costs will be covered from project budget of Vodokanal. All activities will be carried out under supervision of Lead Partner; all responsibilities will be specified in detail in Partnership Agreement. Preparation for final reporting will be started in months 22. Project coordination and financial management will be in the responsibility of the Lead partner. The project has no preconditions. All the technical documents are in place and the implementation can start immediately after the approval. The main assumptions during the implementation are: the partners and main target groups keep willingness to cooperate and local tenderers actively participate in open tenders and implement investment activities. Local national legislation provides for joint cooperation. All the assumptions will be respected as the activities provide strong benefits and the project will be implemented without significant obstacles. WP M have direct connection to any other WP.

Please describe activities and outputs of each activity within the work package			
Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity M.1	Project coordination	03.2020	02.2022
Signing of partnership contracts; Setting up of the Project Teams; Steering Group meetings and their documentation (invitations, agenda, presentation, minutes, list of participants), for 1-2 days, in total 4 times (kick-off, 2 interim; 1 final). Coordination of the project activities and involved partners via e-mails, phone conferences, other communications. The overall project management is in the hands of the project coordinator from Vodokanal who will arrange the day-to-day project managementand communication between all partners of the project. The lead party's coordinator will have a bridging function between the MA/JS and the project management support team, whenever needed. A project Steering Group will prepare and follow-up the assembly meetings, monitor continuously the project implementation, link the WPs with each other, prepare the project implementation plan and draft the project reports (WP leads). The Steering Group will make decisions on WP management and technical coordination level and will meet prior to the assembly meetings, its principle of decision-making is consensus. Its members are the project management team (coordinator and financial manager), the leaders of WP-s plus a representative from each associated partner, so that both project countries are represented in the Steering Group. All costs for partners' meeting, i.e. meeting locations, travels, etc. for meeting attendance are attributed to WP-management although these meetings will serve all WPs.			
Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output M.1.1	Well-co-ordinated project management scheme with constant internal communication solutions, organisation of the work of the Project Teams and Steering Group, incl. Steering Group meetings, incl. SG meetings prepared agendas, presentations, invitations, or	1,00	02.2022
Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity M.2	Financial management	03.2020	02.2022
Periodic reporting on project activities and expenditures including the audit of project's expenditures 4 times; Everyday technical-administrative work - processing of submitted expert timesheets, invoices; payments, etc			
Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output M.2.1	Correct and on-time reports of Project activities	4,00	02.2022

Investment

WP Nr	**WP Title**	**WP Start date**	**WP End date**	**WP Budget**
I1	Improvement of wastewater treatment facilities in Russia (Velikiye-Luki)	04.2020	03.2021	268 628,00
WP responsible partner		Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki		
Partner involvement				
Partners involved		Name: Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki Role: LP		
Description and objective of the work package				
During the project wastewater treatment systems in Velikiye-Luki will be improved. The implementation of the new technological and technical solutions allows to prevent possible environmental pollution and achieve even better results in wastewater treatment and spread experiences gained within the professional network in order to enhance capacity of professionals in the region. In the Velikiye-Luki will be installed a sewage sludge dewatering equipment in sewage water treatment plant. Planned activity have significant importance for solving the problem of water quality in natural rivers, namely the Lazavica River, which is the tributary of the Lovat river, which in turn belongs to the Baltic water bassin. The principle of 3E (economy, efficiency, effectiveness) will be followed organizing investments within the project. The principle will be ensured by thorough preparation of works, open public procurement and supervision of Works. To ensure a best value and competition open public procurement will be carried out and will be insured with professional supervision of works. WP have direct connection to WP M (day-to-day management, financial management, reporting), WP C (communication of activities and results) and also WP T.3 (spreading results of activity within network).				

Justification

Explain the need for investment to achieve project objectives and results. Describe clearly the cross-border relevance of the investment. Describe who is benefiting (e.g. partners, regions, end-users etc.) from this investment and in what way. In case of pilot investment, please clarify which problem it tackles, which findings you expect from it, how it can be replicated and how the experience coming from it will be used for the benefit of the programme area.

The main common feature of investment activities is to ensure high-quality wastewater treatment and to prevent environmental pollution. Both Velikyie-Luki and Alutaguse experts want to get acquainted with the solutions used and contribute to the development of these solutions. In the Velikiye-Luki a sewage sludge dewatering equipment in sewage water treatment plant will be installed. Existing sewage sludge dewatering unit is depreciated and is perfoming poorly and there is existing great hazard of pollusion of ground and underground water resources in daily operations. Implemented solution will be introduced in manual, project progress infoletter and also in final public events. The planned investment will help to achieve both the project and the Program's objectives - to save of shared water resources and to avoid contamination of the environment.

Location of the investment

Location of the physical investment
Area: RU, RUSSIA
Country: RU00, Russia
Region: RU003, Pskov Oblast

Planned works will be carried out in the main sewage water treatment plant in the city of Velikiye-Luki, Vodoprovodnyi 10. Vodokanal is an owner of property.

Risks associated with the investment

Description of the risks associated with the investment, go/no-go decisions, etc. (if any)

There is only one risk may rise in course of implementing investment activities - equipment procurement process, delivery and installation work stretches longer than planned. In order to minimize this risk, a thorough preparation of the technical description of the equipment and procurement documentation is made and the contractor will be closely monitored for compliance with the provisions of the contract. The project has enough time resorces to mitigate possible delays.

Investment documentation

Please list all documents (technical documentation and permissions (e.g. building permits)) relevant to this workpackage and attached to this project application. In case they are already available attach them to this application form, otherwise indicate when do you expect them to be available.

First draft of technical specification for tendering of equipment and installation is prepared, but will be updated to the moment of the procurement procedure. Building permission and technical construction documents are not required for planned works.

Ownership

Who owns the site where the investment is located? - Who will retain ownership of the investment at the end of the project? - Who will take care of maintenance of the investment? How will this be done?

The site where investments will be located in the main sewage water treatment plant in the city of Velikiye-Luki, Vodoprovodnyi 10 is owned by the Vodokanal. Investment will be owned by Vodokanal after the project will end. After the planned works will be done, installed equipment will be maintained on daily basis by Vodokanal and maintenance will be financed from it's own budget.

Please describe project main outputs that will be delivered based on the activities carried out in this work package. For each project main output a programme output indicator should be chosen. Please note that they need to have the same measurement unit.

Project main output		Describe your project main output	Choose a programme indicator to which the project main output will contribute	Measurement unit	Quantify your distribution
I1.1	Improvement of wastewater treatment facility in Velikiye-Luki	Within the project a sewage sludge dewatering equipment will be installed. The aim of installation is to achieve required level of purification of sewage water and reduce hazard of pollusion of common water resources.	The number of projects that are related to the purification of common water assets	Number	0,00

Target groups per main outputs	
Who will use the main outputs	• Infrastructure and (public) service provider • Higher education and research
Target group involvement	Target groups will be involved in activities of the work package as specialist helping taylor technical requirements for equipment. For involvment of target groups their participation will be organised in the workshops
Sustainability of main outputs	
How will the project main output be further used once the project has ended? Please describe concrete measures (including e.g. institutional structures, financial sources, etc.) taken during and after project implementation to ensure the durability of the project main output. If relevant, please explain who will be responsible and/or the owner of the output.	The installation will be put in daily operation in wastewater treatment system of Velikyie-Luki. Installed equipment will be maintained further by Vodokanal and maintenance (and repair if needed) financed from the budget of Vodokanal.
How will the project ensure that the project outputs are applicable and replicable by other organisations/regions/countries outside of the current partnership? Please describe to what extent it will be possible to transfer the outputs to other organisations/regions/countries outside of the current partnership.	The choosed technical solution will be introduced in project materials (progress letters, manual) and will be published in partners websites and also distributed through stakeholder network. The results of the project will be introduced in the final public event of the project.

Please describe activities and activity outputs within the work package

Activity Number	Activity Title	Activity Start Date	Activity End Date
Activity I1.1	Installation of sludge dewatering equipment in Velikiye-Luki	04.2020	03.2021

Vodokanal, the existing sewage sludge dewatering unit has been operating since 2007. This installation implies dewatering of the sewage sludge formed during the biological treatment with activated sludge. During dehydration, so-called washing water is formed, which is discharged to the inlet of sewage treatment facilities. During the operation of the sludge dewatering unit, faults (physical wear and tear) were identified, which can not be eliminated in (repair and recovery) reasonable way. The equipment is depreciated and is making impossible to achieve standards set on water treatment. In addition, in the process of operation, the discharge of dehydrated sewage entering the water treatment plant inlet deteriorated. If during the commissioning process, the water discharged contained suspended substances of about 600 mg / 1 and chemical oxygen demand (COD) of about 700 mg02 / 1, which was acceptable values for the load on activated sludge. At the moment, the quality of water after dehydration has deteriorated, namely suspended substances of about 900-1 OOO mg / 1 and COD about 1500 mg02 / 1. Water of this quality carries a significant load on the sludge mixture and as a result, complete and deep wastewater treatment is not carried out. Accordingly, water after treatment according to the above indices does not meet the needed standards. Also, at the moment the humidity of the dehydrated sediment has changed,, and is 78% - 80%, which significantly increases its volume and affects transportation to the disposal sites. In the case of failure of the equipment for the sludge dewatering, a mixture of raw sludge and excess active clay will have to be placed on reserve silt area whisc is limited. Installation of a new sludge dewatering facility. This investment is of particular importance for solving the problem of water quality in natural rivers, namely the Lazavica River, which is the tributary of the Lovat river, which in turn belongs to the Baltic water bassin.

Activity Output Number	Activity Output Title	Activity Output Targetvalue	Activity Output Date
Activity Output I1.1.1	Sewage sludge dewatering equipment is installed	1,00	28.03.2021

Investment

WP Nr	WP Title	WP Start date	WP End date	WP Budget
I2	Improvement of wastewater treatment facilities in Estonia	03.2020	09.2021	231 600,00

WP responsible partner	Alutaguse Municipality Government
Partner involvement	
Partners involved	Name: Alutaguse Municipality Government Role: PP
Description and objective of the work package	
The aim of this WP is to build a new modern wastewater treatment plant in Kuremäe. There is a wastewater treatment plant EKE B14 / 21 in Kuremäe settlement (wastewater collection area RKA0440111; KKR code PUH0440390). The activated sludge treatment plant EKE B14 / 21 was built in 1973. It has no technical building and the tank and equipment for the phosphorus removal chemical is practically in snow. Today, the old equipment can only serve 100 people. Kuremäe village and its vicinity are located in the central part of Ida-Virumaa. Kuremäe is an attraction in the region and a tourist attraction. The nearest cities of Kuremäe are Jõhvi and Kohtla-Järve. Kuremäe village crosses the Jõhvi - Vasknarva road. The Kuremäe settlement houses the Kuremäe Abbey, Kuremäe Elementary School (not working), now the Teachers' House, Kuremäe Family Medical Center and Library, public toilets in summer, two cafes and a hostel, 2 shops and a post office. Kuremäe settlement has a public water supply and sewerage system in the southern part of the settlement. In the northern part of the settlement only a small part of the population has public water supply and there is no public sewerage system. Wells are used to collect wastewater. The principle of 3E (economy, efficiency, effectiveness) will be followed organizing investments within the project. The principle will be ensured by thorough preparation of works, open public procurement and supervision of Works. WP have direct connection to WP M (day-to-day management, financial management, reporting), WP C (communication of activities and results) and also WP T.3 (spreading results of activity within network).	

Justification

Explain the need for investment to achieve project objectives and results. Describe clearly the cross-border relevance of the investment. Describe who is benefiting (e.g. partners, regions, end-users etc.) from this investment and in what way. In case of pilot investment, please clarify which problem it tackles, which findings you expect from it, how it can be replicated and how the experience coming from it will be used for the benefit of the programme area.

According to the Alutaguse Rural Municipality Public Water Supply and Sewerage Development Plan, it is planned to partially reconstruct and expand the water supply and sewerage system of Kuremäe settlement in the first order. As part of the project, a new wastewater treatment plant will be built alongside the existing one and the pipeline will be connected to a new wastewater treatment plant and, as a last resort, the already depreciated old wastewater treatment plant will be dismantled. A sewage sludge dosing plant has been designed. Wastewater treatment is carried out in the following stages: - mechanical cleaning in automatic grille; - biological treatment of activated sludge in a dose purifier with de-nitrogenization; - phosphorus removal by chemical precipitation; The residual sludge is treated in the following stages: - compaction of sludge in a mud seal (mud tank); The wastewater treatment plant consists of the following elements: - technical building; - activated sludge dosage cleaner; - equalization tank V = 12.0 m3 - process tank V = 40.0 m3 - mud tank V = 8.0 m3 With the new equipment it is possible to provide a sewage treatment service for all inhabitants of Kuremäe settlement and for a large number of tourists visiting Kuremäe monastery. The project complies with Alutaguse Municipality Sewerage and Development Plan 2016-2028. see link. Alutaguse rural municipality government is responsible for water and sewerage in its administrative area. http://www.alutagusevald.ee/uhisveevargi-ja-kanalisatsiooni-arendamise-ava-2016-2028. Alutaguse rural municipality owns the operator company Alutaguse Haldus OÜ, which manages all water and sewerage objects throughout Alutaguse municipality, we have 6 wastewater treatment plants, 14 km of sewerage pipelines and more than 40 water pumping stations and 200 km. water pipe. Project partners have sufficient work experience in this field. This experience will be delivered to other involved prtners and Impl

Location of the investment

Location of the physical investment
Area: EE, EESTI
Country: EE00, Eesti
Region: EE007, Kirde-Eesti

Project location: Ida-Viru county, Alutaguse rural municipality, Kuremäe settlement (wastewater treatment plant) cadastral identifier 22901: 001: 0493) Alutaguse rural municipality is the owner of property.

Risks associated with the investment

Description of the risks associated with the investment, go/no-go decisions, etc. (if any)

There is only one risk in course of implementing investment activities - equipment procurement process, delivery and installation work stretches longer than planned. In order to minimize this risk, a thorough preparation of the technical description of the equipment and procurement documentation is made and the contractor will be closely monitored for compliance with the provisions of the contract. The project has enough time resorces to mitigate possible delays.

Investment documentation

Please list all documents (technical documentation and permissions (e.g. building permits)) relevant to this workpackage and attached to this project application. In case they are already available attach them to this application form, otherwise indicate when do you expect them to be available.

1. Building permit no: 1912271/28494 2. Ownership printout of the electronic land register. 3. Alutaguse Municipality Government Order No:513 for issuing a building permit. 4. Construction project work no: 0005-2019 with a preliminary cost estimate. All documents are attached.

Ownership

Who owns the site where the investment is located? - Who will retain ownership of the investment at the end of the project? - Who will take care of maintenance of the investment? How will this be done?

Project partner is the owner of land, where infrastructure works will be implemented and objects will be improved. The PP will be the owner of investments after the end of Project. For everyday management of the improved object money in the municipal budget will be provided. Upon completion of the construction, the use will be transferred to the operator company Alutaguse Haldus OÜ, which is also i and is 100% owned by Alutaguse rural municipality.

Please describe project main outputs that will be delivered based on the activities carried out in this work package. For each project main output a programme output indicator should be chosen. Please note that they need to have the same measurement unit.					
Project main output		**Describe your project main output**	**Choose a programme indicator to which the project main output will contribute**	**Measurement unit**	**Quantify your distribution**
I2.1	Improvement of wastewater treatment facility in Alutaguse Municipality	Within the project the new wastewater treatment plant will be installed. The aim of investments is to achieve required level of purification of sewage water and reduce hazard of pollution of common water resources.	The number of projects that are related to the purification of common water assets	Number	0,00

Target groups per main outputs	
Who will use the main outputs	• Infrastructure and (public) service provider • Higher education and research
Target group involvement	Target groups will be involved in activities of the WP as specialist of experience share within the workshops
Sustainability of main outputs	
How will the project main output be further used once the project has ended? Please describe concrete measures (including e.g. institutional structures, financial sources, etc.) taken during and after project implementation to ensure the durability of the project main output. If relevant, please explain who will be responsible and/or the owner of the output.	The new wastewater treatment facility will be owned by the Project partner and will be transferred to the operator company Alutaguse Haldus OÜ, which is also i and is 100% owned by Alutaguse rural municipality. The choosed technical solution will be introduced in project materials (progress letters, manual) and will be published in partners websites and also distributed through stakeholder network. The results of the project will be introduced in the final public event of the project.
How will the project ensure that the project outputs are applicable and replicable by other organisations/regions/countries outside of the current partnership? Please describe to what extent it will be possible to transfer the outputs to other organisations/regions/countries outside of the current partnership.	The choosed technical solution will be introduced in project materials (progress letters, manual) and will be published in partners websites and also distributed through stakeholder network. The results of the project will be introduced in the final public event of the project.

Please describe activities and activity outputs within the work package

Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity I2.1	Improvement of wastewater treatment facility in Alutaguse Municipality	03.2020	09.2021

According to the Alutaguse Rural Municipality Public Water Supply and Sewerage Development Plan, it is planned to partially reconstruct and expand the water supply and sewerage system of Kuremäe settlement in the first order. As part of the project, a new wastewater treatment plant will be built alongside the existing one and the pipeline will be connected to a new wastewater treatment plant and, as a last resort, the already depreciated old wastewater treatment plant will be dismantled. Wastewater treatment is carried out in the following stages: - mechanical cleaning in automatic grille; - biological treatment of activated sludge in a dose purifier with de-nitrogenization; - phosphorus removal by chemical precipitation; The residual sludge is treated in the following stages: - compaction of sludge in a mud seal (mud tank); The wastewater treatment plant consists of the following elements: - technical building; - activated sludge dosage cleaner; - equalization tank V = 12.0 m3 - process tank V = 40.0 m3 - mud tank V = 8.0 m3 With the new equipment it is possible to provide a sewage treatment service for all inhabitants of Kuremäe settlement and for a large number of tourists visiting Kuremäe monastery.

Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output I2.1.1	wastewater treatment facility in Alutaguse Municipality is improved	1,00	28.09.2021

Implementation (core activity)

WP Nr	**WP Title**	**WP Start date**	**WP End date**	**WP Budget**
T1	Exchange of Experiences and Capacity Building	03.2020	12.2021	11 100,00

WP responsible partner	Alutaguse Municipality Government
Partner involvement	
Partners involved	Name: Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki Role: LP
	Name: Alutaguse Municipality Government Role: PP
Summary description and objectives of the work package including explanation of how partners will be involved.	
WP is aimed at capacity building and development of cooperative networks between organizations / specialists dealing with wastewater management. WP helps to achieve specific objectives of the project and includes the following activities: development of manual of wastewater management, arrangement of workshops and creation of cross-border network. All the activities are designed to receive enough and practical knowledge and skills necessary to effectively deal with wastewater management. WP will provide new outlook for management on wastewater treatment in the area. Both the professionals and the researchers have a very important role in this WP. First, both groups are involved in creating the manual. Within the WP action plans as the pre-fase for manual for Alutaguse and Vodokanal will be drafted for development of sewage water management and technology for protection of common water resources and environment of both regions. For drafting of activity plans and manual workshops in EE and in RU sides will be organized and different stakeholders will be involved in process: researchers, technical specialists in field, regional and local municipalities, associated partners, enterpreneurs. As a result two activity plans and one manual will be elaborated. Activity plans will serve as long-term strategies for simplification of decision-making procedures, increasing their quality, and consequently improving the status of environment of the region. Results of the current WP will be spread among stakeholders and professionals on field.	
Please describe project main outputs that will be delivered based on the activities carried out in this work package. For each project main output a programme output indicator should be chosen. Please note that they need to have the same measurement unit.	

Project main output		**Describe your project main output**	**Choose a programme indicator to which the project main output will contribute**	**Measurement unit**	**Quantify your distribution**
T1.1	Increased capacity in environmental protection of joint water assets	The main result of the project is enhanced capacity of environmental protection of water resources and management of wastewater treatment of professionals in the field in the programme area. Improved wastewater technologies enables to protect ecosystems of rivers (accompanying the ecosystem of the Peipsi Lake, Pskov Lake) for future generations. Project activities will contribute to the execution of local, regional as well as national and international strategies like European Water Initiative and others, thus having a much broader meaning.	The number of projects that are related to the purification of common water assets	Number	1,00

Target groups per main outputs	
Who will use the main outputs	• Local public authority • Regional public authority • Sectoral agency (umbrella organizations) • Infrastructure and (public) service provider • Interest groups including NGOs • Higher education and research • General public

Target group involvement	At least 20 most relevant actors , hence the major part of them, from Velikiye-Luki and Alutaguse improved their management capacity and received necessary competences to operate at modern and effective level of water management. Studies and reports produced to serve as guidance for cities decision-makers. Indicators: no. of public events held (2); no. of participants attended the events (at least 160); no. of joint learning materials produced (at least 2). Target groups will be mainly involved in the project activities through events organized by the project. There will be organized 3 workshops and 2 public events - kick-off and final event. Target groups will be involved in activities of the work package as specialist, policy- and lawmakers helping work out a longterm strategy for both companies in order to meet high standards in sewage water treatment in long run. For involvement of target groups will be organized within the project dedicated workshops.
Sustainability of main outputs	
How will the project main outputs be further used once the project has been finalised? Please describe concrete measures (including eg. institutional structures, financial sources etc.) taken during and after project implementation to ensure the durability of the project main outputs. If relevant, please explain who will be responsible and/or the owner of the output.	The main long-term impact is that the water management systems in Velikiye-Luki and Alutaguse will be improved. They will be made in user-friendly format. This will lead to essential simplification of decision-making procedures, increasing their quality, and consequently improving the status of environment of the region. The cooperative links established between professionals, researchers and municipal actors are expected to be furthermore developed and deepen. The project will provide long-term positive effect as it directly invests in knowledge and competences of existing and future decision-makers and other water management actors, hence the effectiveness of applied measures and used practices will be improved. The project creates lasting cross-border cooperation network for exchange of knowledge, In the long run the project achievements can also bring positive side effect on improving of residents' health and living environment in both regions. Mostly, the various partners use the experience gained in the project in their professional field. Scientists, as well as water and environmental specialists, can benefit from the experience gained in other projects and in the development of sewage treatment technologies. Researchers will also be able to use the information they receive from the Project in research work and for the teaching of new generations of engineers and environmentalists. Representatives of municipalities and politicians, based on the results of the project, can upgrade various legislation and development plans. Regional authorities will be able to benefit from the project through valuable information and excellent experience in advising other non-participating water companies in their development activities. The action plans and manual that are being created in the project can be successfully used as training material in educational institutions, as well as in other municipalities and water companies. The sustainability of the professional cros
How will the project ensure that the project outputs are applicable and replicable by other organisations/regions/countries outside of the current partnership? Please describe to what extent it will be possible to transfer the outputs to other organisations/regions/countries outside of the current partnership.	Activity plans will be prepared separately for both companies and given their specifics, the common manual will be more widely used, because wastewater treatment processes are similar in different regions and countries. All documents will be published on the websites of the partners and will be in a free use by anyone concerned. Common RU-EE common training action will be organized to support the process and exchange of the feedback. Project activities and results derived from them have far-reaching positive effect for overcoming the borders of the cities participating in the project, as well as of the program area. Knowledge which will shared with help of the project activities will help shape the long-term and sustainable strategies for the environment and the introduction of more efficient technologies in the wastewater treatment in other cities and regions that are not directly engaged in the project.

Please describe activities and activity outputs within the work package

Activity Number	Activity Title	Activity Start Date	Activity End Date
Activity T1.1	Activity plans for Vodokanal and Alutaguse	03.2020	12.2021

The Activity Plans will be designed as a long term strategy helping in decision making in every day operations. Activity Plans will handle different sides of day-to-day operation. In general the structure of the Activity Plan is as follows: 1. Strategy in brief 2. Legislation and standards 3. Stakeholders 4. Customer service 5. Wastewater collection 6. Wastewater treatment 7. Sludge treatment and disposal Activity Plan will handle above mentioned topics from management and technical point of view. In the Activity Plans will be presented main principles needed to be followed in day-to-day operations of company. Plan will be updated annually. Activity Plans will be drafted by project team using as an input results from project workshops and in the drafting process will be involved different stakeholders in order to get the best result.

Activity Output Number	Activity Output Title	Activity Output Targetvalue	Activity Output Date
Activity Output T1.1.1	Activity plans (RU – 1, EE – 1)	2,00	12.2021
Activity Output T1.1.2	Common RU-EE common training action	1,00	12.2021
Activity T1.2	Drafting of manual for water companies and municipalities on improvement of water treatment management, technologies and corresponding policies	03.2021	12.2021

Drafting of manual on improvement of wastewater management, -treatment technologies and corresponding policies is designed to give to stakeholders and target groups an state of art overview of existing regulations on field (including EU-, national-, regional- and local regulations) and best practices used in wastewater treatment management. Manual will consist also an overview of most efficient wastewater treatment technologies. The manual is based on the programm area, but examples of best practices of other regions and countries will be also used. The manual will have next structure in general: 1. EU regulations (climate, environment, wastewater treatment) 2. Regulations and standards in Estonia 3. Regulations and standards in Russia 4. Local regulations and development plans 5. Best available practices - wastewater treatment management 6. Best available practices - wastewater treatment technologies 7. Recommendations for water companies 8. Recommendations for authorities (national, regional, local) The manual is designed to help water companies and politicians (national-, regional- and local level) to shape long term plans and strategies for wastewater treatment. The focus of the manual will be on the Programme area, but it is useful much wider as will reflect best practices from different regions. The manual will be compiled by external expert (will be procured, dedicated funds foreseen in the budget of Vodokanal). Workshops organized by the project will give input to manual especially related to the best practices (management, technology) of wastewater treatment. The manual will be prepared in electronical format (pdf.) and distributed via mailing lists to stakeholders. Downloadable copy of the manual will be available on partners websites and the summary will be presented in the project bulletin.

Activity Output Number	Activity Output Title	Activity Output Targetvalue	Activity Output Date
Activity Output T1.2.1	Manual for water companies and municipalities on improvement of water treatment technologies and corresponding policies	1,00	12.2021
Activity Output T1.2.2	Copies of manual distributed	20,00	12.2021
Activity T1.3	Workshops	03.2020	12.2021

Within the project will be arranged 2 workshops for specialists/experts (municipalities, professionals of field, scientists) for spreading the knowledge and figuring out best practices available in the region (including results from improvement of wastewater facilities in Velikiye-Luki and Alutaguse and studies carried out in the project).

Activity Output Number	Activity Output Title	Activity Output Targetvalue	Activity Output Date
Activity Output T1.3.1	Workshops arranged	2,00	12.2021
Activity Output T1.3.2	Participants of workshops	20,00	12.2021
Activity T1.4	Creation of cross-border network	03.2020	12.2021

The cross-border network will be set up in the very beginning of the project and will include experts of wastewater treatment,-protection of environment, politicians , academic, NGO´s and is designed to exchange corresponding knowledge in the programme area. Raised awareness and enhanced professional capacity of professionals and politicians creates a good basis for a long-term and sustainable environmental policy-making in the region. Cross-border network will include also experts from outside of the programme area in order to spread knowledge gained from project activities much wider and involve available expertise as much as possible in the project activities in order to achieve as possible high quality level. Network will be created as mailing list and will be opened throughout the project which allows to grow the network and involve different and specific expertise. Cross-border network will act as two-way communication channel: members of network will be informed of project activities (also of results and outcomes of the project) and members of the network will be asked to comment project deliverables - activity plans, manual, technical documentation. In order to ensure an efficient functioning and the sustainability of the network there will be created in the project website special dedicated area - forum. During the Project and after whenever possible, once a year, meetings of the network of Estonia and Russia will be held. The role of business representatives is to introduce the network and invite new members to ensure that participants are from different stakeholders. The main communication channel is correspondence and a forum to be created in the framework of the project in the online environment. In order to ensure the widest possible membership in the geographical sense, the main communication in the forum is in English. In addition to the general English-language forum, sub-Forums have been organized in national languages.

Activity Output Number	Activity Output Title	Activity Output Targetvalue	Activity Output Date
Activity Output T1.4.1	Cross-border network, involved members	20,00	12.2021

Communication

WP Nr	WP Title	WP Start date	WP End date	WP Budget
C	Communication and visibility	03.2020	12.2021	765,00

WP responsible partner	Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki
Partner involvement	
Partners involved	Name: Municipal enterprise for the operation of systems of water supply and sanitation "Vodokanal" Velikie Luki Role: LP
	Name: Alutaguse Municipality Government Role: PP

Summary description and objectives of the workpackage including explanation of how will partners be involved of activities carried out and contribution of each partner.

WP serves to provide appropriate dissemination of project information, to increase the awareness of wastewater treatment (management and technologies) and protection of environment, to secure the project identity and the Programme visibility as well as to publish project materials developed in other work packages. WP is supporting direction throughout the project implementation course hence it helps to achieve all objectives identified by the project. WP includes the following:
- Development of the content of project information on partner's web-sites, preparation and distribution of project progress letters, publication of materials developed within the project - manual for water companies and municipalities on improvement of water treatment technologies and corresponding policies in both countries. The manual will serve for municipal specialists and experts in field as comprehensive guidelines in their day to day work, hence increasing the quality of decisions made.
- Development of the project dissemination strategy incl. template for presentation, press release, etc.; collecting & analysing feedback through questionnaires from participants of the events; Launching seminar of the project (in Velikie Luki), preparation and implementation of the Closure event (In Velikie Luki), open event in Kuremae, press releases in EE and RU (min 8 press releases).
The information materials produced within the project will contribute to more effective water management in the target regions.

WP C have direct connection to all other WP-s as will deal with spreading information of project activities and project results in different channels.
WP will be performed under the guidance of the Communication and Visibility Guidelines for the Implementation of Projects.

Project specific objectives	Communication objectives - What can communications do to reach a specific project objective?	Approach/Tactics - How do you plan to reach the communication objective?
Determine the most suitable and efficient technological solutions for wastewater treatment in programme area;	Increase knowledge	This objective is in general targeted to managers of water companies and other experts in field (technology providers, academic, decision-makers). To increase the knowledge level of target groups will be organized 2 project workshops, 1 common training and drafted manual. The communication of the RU-EE network will be organised.
Increase the expertise level in management of wastewater treatment among professionals, municipality specialists and politicians;	Increase knowledge	The objective is mostly targeted to policy-makers and NGO´s dealing with environmental issues, but also to regional and national authorities who are responsible for planning of long-term policy for protection of environment and water resources and also development of wastewater treatment. Target groups will be involved project public events and project workshops. To ensure an efficient communication with target groups will be issued project progress letters and mailing lists.
Improvement of wastewater treatment technology in Alutaguse and Velikyie-Luki	Raise awareness	In conjunction with improvement of wastewater treatment systems in Alutaguse and Velikyie-Luki will be published press-releases and articles explaining a content and expected results of investment activities. For wider and better understanding of need for investments will be in the backround explained in general the process of wastewater treatment, hazards in wastewater treatment and valid requirements on wastewater treatment as well. As a result the awareness of target groups will rise of wastewater treatment and of need to protect common water resources and environment in general.

Please describe activities and activity outputs within the work package			
Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity C.1	Start-up activities including communication	03.2020	12.2021
Project time plan is set up in such a way that after the signing of grant contract (expected time: March 2020) there is planned 1 months for preparation for project start up. Before the project starts will be drafted more detailed communication plan and started planning of project launching event in Velikie Luki (in April 2020). In parallel will be started designing of project logo and project web pages in websites of Alutaguse and Vodokanal. By the project start in March of 2020 all needed preparatory works will be done and in the beginning of March 2020 will be issued first project press release in both countries. To ensure efficient communication of project activities will be in November mailing lists for target groups and stakeholders.			
Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output C.1.1		0,00	12.2021
Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity C.2	Publication(s)	03.2020	12.2021
Communication activities will include also publications. There is planned to publish at minimum 2 project bulletins and at minimum 8 press releases. All publications will be done in electronic format. Printed publications are not foreseen.			
Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output C.2.1	During the project will be published at minimum 8 project press releases reflecting project activities and results. Press releases will also give an overview of results from project workshops and common training carried out within the project.	8,00	12.2021
Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity C.3	Public Event(s)	03.2020	12.2021
Within the project will be carried out 3 public events - project launching event and closure event in Velikyie-Luki and open event of the new waste water treatment facility in Kuremae.			
Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output C.3.1	Participants of public events organized by project.	60,00	02.2021
Activity Number	**Activity Title**	**Activity Start Date**	**Activity End Date**
Activity C.4	Digital activities	03.2020	12.2021
For communication purposes will be created project webpages in websites of Vodokanal and Alutaguse municipality. In the web pages will be presented project activities and results of project activities (workshops, studies). In the webpages will be presented for download publications created within the project (reports from studies, manual, project newsletters, other related publications).			
Activity Output Number	**Activity Output Title**	**Activity Output Targetvalue**	**Activity Output Date**
Activity Output C.4.1	Project web pages within partner websites	2,00	12.2021

Periods

Period number	Duration	Start Date	End Date	Reporting Date
1	6 months	01.03.2020	01.09.2020	01.10.2020
2	6 months	02.09.2020	02.03.2021	02.04.2021
3	6 months	03.03.2021	03.09.2021	03.10.2021
4	6 months	04.09.2021	28.02.2022	28.03.2022

Target groups

Target group/-s	Please further specify the target group/s (e.g., bilingual elementary schools, environmental experts, etc.).	Target value Please indicate the size of the target group you will reach.
Infrastructure and (public) service provider	Private companies - technology providers from the region and outside the region.	20,00
Interest groups including NGOs	Representatives of interest groups and NGO s dealing with protection of environment in the region. For example Peipsi Project from Pskov area and Baltic Environmental Forum from Estonia.	20,00
Local public authority	Representatives of local municipalities of the region and outside the region - politicians, specialists. At first will be invited representatives of municipalities of Kirde-Eesti and Ida-Viruma and southern part of Pskov Oblast (Ostrov, Nevel, Kunya, Loknya, Opochka, Novosokolniki).	30,00
Regional public authority	Representatives of regional authorities of Russia - politicians and specialist from Administration of Pskov Oblast and Estonia.	10,00
Sectoral agency (umbrella organizations)	Representatives of umbrella organisations for water companies in Estonia - Estonian Water Works Association and in Russia - Russian Association of Water Supply and Sanitation.	2,00
Higher education and research	Scientists and research persons from both countries - representatives of institutes and universities. University of Tartu, Estonian University of Life Sciences, Pskov State University.	8,00
General public	General public of the region (project area).	400,00

PROJECT BUDGET

Partner Budget

Name of partner organisation	Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки
Partner ID	1
Legal status	public
Type of partner	Other bodies that are governed by public legal acts, (e.g., municipal and national enterprises, trade unions, medical institutions, museums, etc.)
Co-financing source	EE-RU CBC
Inside programme area	yes

Partner Budget		
	Amount	**Co-financing rate**
Programme co-financing	266 814,00	90,00 %
Partner contribution	29 646,00	10,00 %
Partner total eligible budget	296 460,00	100.00 %

Origin of partner contribution (indicative)			
Source of contribution	**Legal status**	**% of total partner contribution**	**Amount**
Муниципальное предприятие по эксплуатации систем водоснабжения и водоотведения «Водоканал» г. Великие Луки	public	100,00 %	29 646,00
Sub-total public contribution		100,00 %	29 646,00
Sub-total private contribution		0,00 %	0,00
Total		100,00 %	29 646,00
Partner total target value			29 646,00

Staff costs	Description			Unit type	WP M - management			
	Staff function	Type of staff	Comments		Period	No. of units	Price per unit	Total
	Procurement manager	Part time with a fixed percentage	Procurement manager 5%	month	Period 1	6,00	26,00	156,00
					Period 2	6,00	26,00	156,00
					Period 3	6,00	26,00	156,00
					Period 4	6,00	26,00	156,00
	Accountant		Accountant 5%		Period 1	6,00	31,00	186,00
					Period 2	6,00	31,00	186,00
					Period 3	6,00	31,00	186,00
					Period 4	6,00	31,00	186,00
	Construction manager		Construction manager 5%		Period 1	2,00	45,00	90,00
					Period 2	2,00	45,00	90,00
					Period 3	1,00	45,00	45,00
					Period 4	1,00	45,00	45,00
Total								1 638,00

Travel and accommodation	Description	Unit type	WP M - management			
			Period	No. of units	Price per unit	Total
SG meetings in EE 2020			Period 1	1,00	0,00	0,00
	SG meetings in EE 2020 (for RU partners) 3 persons, 1 trip (accommodation x 180 E, car fuel x 58 E, daily allowances x 151 E , passports x 49 E, visas x 105 E, insurance x 8E, green card x 34 E) / 585 E		Period 2	1,00	585,00	585,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
SG meetings in EE 2021			Period 1	1,00	0,00	0,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
	SG meetings in EE 2021 (for RU partners), 3 persons, 1 trip (accommodation x180E, car fuel x58E, daily allowances x 151E, insurance x8E, green card x 34E) / 430E		Period 4	1,00	430,00	430,00
Local travels	local travels, Pskov & V.Luki		Period 1	6,00	10,00	60,00
			Period 2	6,00	10,00	60,00
			Period 3	6,00	10,00	60,00
			Period 4	6,00	10,00	60,00
Total						1 255,00

External expertise and services	Description	Unit type	WP M - management			
			Period	No. of units	Price per unit	Total
Kick-off meeting	Kick-off meeting (Lead Partner) premises, meals, handouts/agenda, gifts, etc, up to 50 persons		Period 1	1,00	1 400,00	1 400,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
Project Coordinator	service contract with Project coordinator, travel and accomodation costs included		Period 1	6,00	622,00	3 732,00
			Period 2	6,00	622,00	3 732,00

			Period 3	6,00	622,00	3 732,00
			Period 4	6,00	622,00	3 732,00
Roll-up with logos			Period 1	1,00	0,00	0,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
labels / stickers / commemorative plaque / informational plate			Period 4	1,00	0,00	0,00
Closure event			Period 1	1,00	0,00	0,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
	Closure event (Lead Partner) premises, meals, handouts/agenda, gifts, transportation, etc, up to 50 persons		Period 4	1,00	2 000,00	2 000,00
Translation costs	Translation costs (RU partners obligatory)		Period 1	1,00	200,00	200,00
			Period 2	1,00	0,00	0,00
	Translation costs (RU partners obligatory)		Period 3	1,00	100,00	100,00
			Period 4	1,00	100,00	100,00
Expenditure verification	Audit cost		Period 1	1,00	590,00	590,00
			Period 2	1,00	590,00	590,00
			Period 3	1,00	590,00	590,00
			Period 4	1,00	590,00	590,00
Financial costs	Financial costs (bank fees and other payments) (RU partners obligatory)		Period 1	1,00	1 000,00	1 000,00
			Period 2	1,00	400,00	400,00
			Period 3	1,00	0,00	0,00
	Financial costs (bank fees and other payments) (RU partners obligatory)		Period 4	1,00	286,00	286,00
Total						22 774,00

External expertise and services	Description	Unit type	WP T1 - implementation			
			Period	No. of units	Price per unit	Total
Project Coordinator			Period 1	1,00	0,00	0,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
labels / stickers / commemorative plaque / informational plate			Period 4	1,00	0,00	0,00
Workshop I			Period 1	1,00	0,00	0,00
			Period 2	1,00	0,00	0,00
	RU-EE Workshop I premises, meals, handouts/agenda, gifts, etc, up to 50 persons		Period 3	1,00	1 500,00	1 500,00
			Period 4	1,00	0,00	0,00
Preparation, designing, printing of Manual			Period 1	1,00	0,00	0,00
			Period 2	1,00	0,00	0,00
	Preparation, designing, printing of Manual		Period 3	1,00	600,00	600,00
			Period 4	1,00	0,00	0,00
Total						2 100,00

External expertise and services	Description	Unit type	WP C - communication			
			Period	No. of units	Price per unit	Total
Roll-up with logos	Roll-up with programme and R-54 Pure water logos		Period 1	1,00	55,00	55,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
labels / stickers / commemorative plaque / informational plate			Period 4	1,00	0,00	0,00
	labels / stickers / commemorative plaque / informational plate according to the Communication and visibility Guidelines		Period 1	1,00	10,00	10,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
Total						65,00

Equipment	Description	Unit type	WP I1 - investment			
			Period	No. of units	Price per unit	Total
	Equipment for sludge dewatering facility.		Period 1	1,00	100 000,00	100 000,00
			Period 2	1,00	150 000,00	150 000,00
			Period 3	1,00	18 628,00	18 628,00
			Period 4	1,00	0,00	0,00
Total						268 628,00

Name of partner organisation	Alutaguse Vallavalitsus
Partner ID	2
Legal status	public
Type of partner	National, regional and local public authorities
Co-financing source	EE-RU CBC
Inside programme area	yes

Partner Budget		
	Amount	**Co-financing rate**
Programme co-financing	216 976,16	75,67 %
Partner contribution	69 763,84	24,33 %
Partner total eligible budget	286 740,00	100.00 %

Origin of partner contribution (indicative)			
Source of contribution	**Legal status**	**% of total partner contribution**	**Amount**
Alutaguse Vallavalitsus	public	100,00 %	69 763,85
Sub-total public contribution		100,00 %	69 763,85
Sub-total private contribution		0,00 %	0,00
Total		100,00 %	69 763,85
Partner total target value			69 763,84

Staff costs	Description			Unit type	WP M - management			
	Staff function	Type of staff	Comments		Period	No. of units	Price per unit	Total
	Coordinator	Part time with a fixed percentage	Coordinator 25%	month	Period 1	6,00	755,00	4 530,00
					Period 2	6,00	755,00	4 530,00
					Period 3	6,00	755,00	4 530,00
					Period 4	6,00	755,00	4 530,00
	Accountant		Accountant 6.9%		Period 1	6,00	210,00	1 260,00
					Period 2	6,00	210,00	1 260,00
					Period 3	6,00	210,00	1 260,00
					Period 4	6,00	210,00	1 260,00
	Construction specialist		Construction specialist 25%		Period 1	6,00	755,00	4 530,00
					Period 2	6,00	755,00	4 530,00
					Period 3	6,00	755,00	4 530,00
					Period 4	6,00	755,00	4 530,00
Total								41 280,00

Travel and accommodation	Description	Unit type	WP M - management			
			Period	No. of units	Price per unit	Total
SG meetings in RU	SG meetings in RU (for EE partners), 1 overnight stay (2 people, daily allowances, accomoddation)		Period 1	2,00	110,00	220,00
			Period 2	1,00	0,00	0,00
	SG meetings in RU (for EE partners), 1 overnight stay (2 people, daily allowances, accomoddation)		Period 3	2,00	110,00	220,00
			Period 4	2,00	110,00	220,00
	SG meetings in RU (for EE partners) transport costs		Period 1	1,00	500,00	500,00
			Period 2	1,00	0,00	0,00
	SG meetings in RU (for EE partners) transport costs		Period 3	1,00	500,00	500,00
			Period 4	1,00	500,00	500,00
Total						2 160,00

External expertise and services	Description	Unit type	WP M - management			
			Period	No. of units	Price per unit	Total
RU-EE Workshop II			Period 2	1,00	0,00	0,00
Hosting SG meetings in Estonia			Period 1	1,00	0,00	0,00
	FOR EE PARTNER: Hosting SG meetings in Estonia, up to 10 people, (local transport; premises, meals, handouts)		Period 2	1,00	1 000,00	1 000,00
			Period 3	1,00	1 000,00	1 000,00
			Period 4	1,00	0,00	0,00
Total						2 000,00

External expertise and services	Description	Unit type	WP T1 - implementation			
			Period	No. of units	Price per unit	Total
RU-EE common training actions			Period 1	1,00	0,00	0,00
	RU-EE common training actions, up to 30 people each, travel, accomodation, meals, experts fees)		Period 2	1,00	4 000,00	4 000,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
RU-EE Workshop II			Period 2	1,00	0,00	0,00
			Period 1	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
	RU-EE Workshop II premises, meals, handouts/agenda, gifts, etc, up to 50 persons + OPEN EVENT		Period 4	1,00	5 000,00	5 000,00
Total						9 000,00

External expertise and services	Description	Unit type	WP C - communication			
			Period	No. of units	Price per unit	Total
Banners and infotables	Banners and infotables in the investment locations		Period 1	1,00	400,00	400,00
			Period 2	1,00	0,00	0,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
Promotion of the project results in local media	Promotion of the project results in local media		Period 1	1,00	100,00	100,00
			Period 2	1,00	0,00	0,00
	Promotion of the project results in local media		Period 3	1,00	100,00	100,00
			Period 4	1,00	100,00	100,00
RU-EE Workshop II			Period 2	1,00	0,00	0,00
Total						700,00

Investment	Description	Unit type	WP M - management			
			Period	No. of units	Price per unit	Total
Investment			Period 2	1,00	0,00	0,00
			Period 1	1,00	0,00	0,00
Total						0,00

Investment	Description	Unit type	WP T1 - implementation			
			Period	No. of units	Price per unit	Total
Investment			Period 2	1,00	0,00	0,00
			Period 1	1,00	0,00	0,00
Total						0,00

Investment	Description	Unit type	WP I1 - investment			
			Period	No. of units	Price per unit	Total
Investment			Period 2	1,00	0,00	0,00
			Period 1	1,00	0,00	0,00
Total						0,00

Investment	Description	Unit type	WP I2 - investment			
			Period	No. of units	Price per unit	Total
Investment	Reconstruction of the wastewater treatment plant incl. new building, equipment, pipelines & other works		Period 1	1,00	131 600,00	131 600,00
			Period 2	1,00	100 000,00	100 000,00
			Period 3	1,00	0,00	0,00
			Period 4	1,00	0,00	0,00
Total						231 600,00

Investment	Description	Unit type	WP C - communication			
			Period	No. of units	Price per unit	Total
Investment			Period 2	1,00	0,00	0,00
			Period 1	1,00	0,00	0,00
Total						0,00

Activities outside the programme area

Please describe and justify the location of activities, which take place outside the eligible programme area.	
N/A	
Total budget of activities to be carried out outside the programme area	0,00

Total EE-RU CBC for activities outside		0,00
% of total EE-RU CBC (indicative)		0,00 %

PROJECT BUDGET OVERVIEW

Project budget per co-financing source (fund) - breakdown per partner

Partner		Programme co-financing			Contribution			Total eligible
Partner Abbreviation	Country	EE-RU CBC	EE-RU CBC co-financing(%)	Percentage of total EE-RU CBC	Public Contribution	Private Contribution	Total Contribution	
Vodokanal VL	RUSSIA	266 814,00	90,00 %	55,15 %	29 646,00	0,00	29 646,00	296 460,00
Alutaguse Municipality	EESTI	216 976,15	75,67 %	44,84 %	69 763,85	0,00	69 763,85	286 740,00
Sub-total For Partners Inside		483 790,15	82,95 %	100,00 %	99 409,85	0,00	99 409,85	583 200,00
Sub-total For Partners Outside		0,00	---	0,00 %	0,00	0,00	0,00	0,00
Total		483 790,15	82,95 %	100,00 %	99 409,85	0,00	99 409,85	583 200,00

Project budget - overview per partner/ per budget line

Partner Abbreviation	Co-financing Source	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Investment	Total Budget	Net Revenue	Total Eligible
Vodokanal VL	EE-RU CBC	1 638,00	0,00	1 255,00	24 939,00	268 628,00	0,00	296 460,00	0,00	296 460,00
Alutaguse Municipality	EE-RU CBC	41 280,00	0,00	2 160,00	11 700,00	0,00	231 600,00	286 740,00	0,00	286 740,00
Total		42 918,00	0,00	3 415,00	36 639,00	268 628,00	231 600,00	583 200,00	0,00	583 200,00
Percentage Of Total Budget		7,35 %	0,00 %	0,58 %	6,28 %	46,06 %	39,71 %	100,00 %	0,00% Of Total Budget	100,00% Of Total Budget

Co-financing Source	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Investment	Sum Financed Budget	Decreasing Net Revenue	Total Financed Budget
EE-RU CBC	42 918,00	0,00	3 415,00	36 639,00	268 628,00	231 600,00	583 200,00	0,00	583 200,00

Project budget - overview per partner/ per period

Partner Abbreviation	Co-financing Source	Period 1	Period 2	Period 3	Period 4	Total Budget	Net Revenue	Total Eligible
Vodokanal VL	EE-RU CBC	107 479,00	155 799,00	25 597,00	7 585,00	296 460,00	0,00	296 460,00
Alutaguse Municipality	EE-RU CBC	143 140,00	115 320,00	12 140,00	16 140,00	286 740,00	0,00	286 740,00
Total		250 619,00	271 119,00	37 737,00	23 725,00	583 200,00	0,00	583 200,00
Percentage Of Total Budget		42,97 %	46,48 %	6,47 %	4,06 %	100,00 %	0,00% Of Total Budget	100,00% Of Total Budget

Co-financing Source	Period 1	Period 2	Period 3	Period 4	Total Financed Budget
EE-RU CBC	250 619,00	271 119,00	37 737,00	23 725,00	583 200,00

Project budget - overview per partner/ per WP

Partner Abbreviation	Co-financing Source	WP M	WP T1	WP I1	WP I2	WP C	Total Budget	Net Revenue	Total Eligible
Vodokanal VL	EE-RU CBC	25 667,00	2 100,00	268 628,00	0,00	65,00	296 460,00	0,00	296 460,00
Alutaguse Municipality	EE-RU CBC	45 440,00	9 000,00	0,00	231 600,00	700,00	286 740,00	0,00	286 740,00
Total		71 107,00	11 100,00	268 628,00	231 600,00	765,00	583 200,00	0,00	583 200,00
Percentage Of Total Budget		12,19 %	1,90 %	46,06 %	39,71 %	0,13 %	100,00 %	0,00% Of Total Budget	100,00% Of Total Budget

Co-financing Source	WP M	WP T1	WP I1	WP I2	WP C	Total Financed Budget
EE-RU CBC	71 107,00	11 100,00	268 628,00	231 600,00	765,00	583 200,00

Project budget - overview per WP/ per budget line

WP Number	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Investment	Total Budget	Net Revenue	Total Eligible
WP M	42 918,00	0,00	3 415,00	24 774,00	0,00	0,00	71 107,00	0,00	71 107,00
WP T1	0,00	0,00	0,00	11 100,00	0,00	0,00	11 100,00	0,00	11 100,00
WP I1	0,00	0,00	0,00	0,00	268 628,00	0,00	268 628,00	0,00	268 628,00
WP I2	0,00	0,00	0,00	0,00	0,00	231 600,00	231 600,00	0,00	231 600,00
WP C	0,00	0,00	0,00	765,00	0,00	0,00	765,00	0,00	765,00
Total	42 918,00	0,00	3 415,00	36 639,00	268 628,00	231 600,00	583 200,00	0,00	583 200,00
Percentage Of Total Budget	7,35 %	0,00 %	0,58 %	6,28 %	46,06 %	39,71 %	100,00 %	0,00% Of Total Budget	100,00% Of Total Budget

Co-financing Source	Staff costs	Office and administration	Travel and accommodation	External expertise and services	Equipment	Investment	Sum Financed Budget	Decreasing Net Revenue	Total Financed Budget
EE-RU CBC	42 918,00	0,00	3 415,00	36 639,00	268 628,00	231 600,00	583 200,00	0,00	583 200,00

Project budget - overview per WP/ per period

WP Number	Period 1	Period 2	Period 3	Period 4	Total Budget	Net Revenue	Total Eligible
WP M	18 454,00	17 119,00	16 909,00	18 625,00	71 107,00	0,00	71 107,00
WP T1	0,00	4 000,00	2 100,00	5 000,00	11 100,00	0,00	11 100,00
WP I1	100 000,00	150 000,00	18 628,00	0,00	268 628,00	0,00	268 628,00
WP I2	131 600,00	100 000,00	0,00	0,00	231 600,00	0,00	231 600,00
WP C	565,00	0,00	100,00	100,00	765,00	0,00	765,00

Co-financing Source	Period 1	Period 2	Period 3	Period 4	Total Financed Budget
EE-RU CBC	250 619,00	271 119,00	37 737,00	23 725,00	583 200,00
Total EU Funds	250 619,00	271 119,00	37 737,00	23 725,00	583 200,00