



PL-BY-UA  
2014-2020

## PROJECT DESCRIPTION

<b>1. Project identification</b>		
<b>1.1. Thematic objective</b>		1. Promotion of local culture and preservation of historical heritage (HERITAGE)
<b>1.2. Programme priority</b>		1.2 Promotion and preservation of natural heritage
<b>1.3. Project title</b>	<b>In English:</b>	Protecting the Solina Lake and Schodnica's sources of healing waters - a common challenge and opportunity to maintain and exploit the potential of the natural heritage.
	<b>In Polish:</b>	Ochrona wód Jeziora Solińskiego i wód leczniczych kurortu Schidnica – wspólne wyzwanie i szansa zachowania i wykorzystania potencjału dziedzictwa naturalnego
	<b>In Russian:</b>	not applicable
	<b>In Ukrainian:</b>	Охорона вод Солінського озера та лікувальних вод курорту Східниця - спільний виклик та шанс на збереження і використання потенціалу природної спадщини
<b>1.4. Project acronym</b>		PROTECTWATER
<b>1.5. Project index number</b>		PBU1/0469/16
<b>1.6. Lead beneficiary organisation</b>	Name in original language	Gmina Solina
	Name in English	Solina Commune
	Nationality	Polish
	Type of organization	institutions of national, regional, local governments or association of such institutions
	Registration address	38-610 Polańczyk, ul. Wiejska 2
<b>1.7. Project beneficiaries:</b>		
Beneficiary 1	Name in original language	Східницька селищна рада
	Name in English	City Council Schidnica
<b>1.8. Project duration</b>	Number of months	24

1.9. Type of the project	
The project is	symmetrical
The project is	infrastructural

1.10. Location(s) of the project activities:		
<specify country(ies) that will benefit from the project>	<specify region(s) that will benefit from the project>	<specify powiat/raion, area/town that will benefit from the project>
<b>Poland</b>		
	Podkarpackie voivodeship (Krośnieński, Przemyski, Rzeszowski and Tarnobrzanski	powiat Lesko/raion Solina

## Ukraine

Lvivska oblast

raion Drohobych/Schodnica

### 1.11. Project summary

The Solina Commune as Lead Beneficiary in cooperation with the Skhidnytsia Town - Beneficiary 1 plan to implement environmentally friendly project, which main task is to protect and secure the Solińskie Lake, local rivers (San and Skhidnychanka) and healing waters of Skhidnytsia (types: Naftusia, Skhodnicka and a sodium Borjomi) from contamination with sewage. Partners join the status of spa resorts so their common goal is to improve and maintain a good quality surface and groundwater as the main natural resources used by tourists and patients.

Construction of sewage treatment plants and sanitary sewage system will reduce pollution inputs directly into the soil, surface water and deep water. In addition to protecting the environment, it will create the opportunity for the development of tourism in the region and increase its attractiveness to foreign investors.

The investments and all project activities on the Polish side will be implemented in the catchment area of San river and the Baltic Sea. The source of San is located near Sianki in Ukraine, on south-eastern slopes of Piniaszkowa Mountain in the Western Bieszczady Mountains at approximate altitude of 925 m. The first left tributary to San river has its source on Polish-Ukrainian border near boundary mark no 224. In its upper part San flows towards north-west crossing Bieszczady Mountains. Further down the river two artificial water reservoirs have been created: Jezioro Solińskie and Jezioro Myczkowskie. San is the longest river in Bieszczady Mountains. As San is one of the most beautiful mountain rivers in Poland, Nature 2000 site (Dorzecze Górnego Sanu) and other reserves have been established in its valley. Reduction in wastewater pollution of San river is vital to environmental protection of its lower part and contributes to cleaner Vistula river and the Baltic Sea.

The construction of the sanitary sewage system in Skhidnytsia will make the river Shidnychanka (tributary to the river Stryj) cleaner and it will prevent its eutrophication. It will also protect healing mineral waters of Skhidnytsia. The risk of infection of mineral waters in Skhidnytsia and the Shidnychanka River by sewage deposits will disappear.

Environmental impact of the investment will, by its location, have a positive effect on the preservation of particularly valuable nature reserves located close to Solina and Skhidnytsia communes.

The implementation of the project will contribute to:

- reduction in the amount of uncontrollably discharged municipal wastewater to the environment (it will considerably reduce the amount of contaminants that can escape to the environment). As for preserving particularly valuable areas, the serious problem is, that almost 100% of wastewater in areas without sewage system goes directly to the environment;
- introduction of an efficient system of municipal wastewater management, including the reduction of CO2 emission which is produced by road transportation of wastewater from closed household tanks;
- preservation of environmental sustainability, including areas and objects of particular natural value.

Therefore, both investments in Poland and in Ukraine will have a similar effect on connected transboundary ecosystem. Increasing the degree of environmental protection by constructing a sanitary sewage system in Bukowiec and Skhidnytsia will have a beneficial effect on the ecosystem of the area and will consequently trigger tourism development.

Less polluted environment, cleaner waters of the Solińskie Lake and San river, mineral waters of Skhidnytsia and the Shidnychanka river (tributary to the river Stryj) protected from contamination will have critical influence on tourism development in the area. Tourists now need not only an interesting offer, but they also want to stay in the unpolluted environment. That's why the beneficiaries plan to organize a campaign (2 events and a movie) promoting the two areas of the project as free of pollution from sewage wastes. In this way the message about clean environment in Solina Commune and Skhidnytsia Town, clean waters (the Solińskie Lake, the San and Shidnychanka rivers) and improved ecological conditions will result in growth of number of tourists and patients and the development of tourism (especially spa tourism) based on the natural heritage of these areas.

The project will have a positive influence on its target group – tourists and visitors to the target area (circa 58 000 per year).

There are about 25000 beds in the Commune of Solina. Around one million people visit the Commune each year. It is assumed that the annual occupancy of these sites is at the level of 22%, which gives the result of full occupancy for an average of 80 days per year.

It is evident that the potential growth of the number of tourists is very large. On the basis of own experience as well as the experiences of neighboring communes with the impact of similar projects on economic development, the Lead Beneficiary can assume a 5% increase in the number of tourists as a project's effect. Setting up a 5% increase in the project results means that the Commune of Solina will visit about 50000 more people. This will also be a result of the promotion of the Commune with the use of a film and the launch of new accommodations that are going to be built in Bukowiec (it is estimated that there will be additional 200 beds in Bukowiec) and in the whole commune about 1500 new accommodations.

There are about 4500 beds in Skhidnytsia. The Town visits about 160000 visitors per year. It is assumed that the annual

occupancy of these sites is at the level of 47% which results in full occupancy for an average of 171 days per year. Assuming an increase of 5% as a result of the project, we assume that Skhidnytsia will be visited by about 8000 people more. This will be possible also due to the promotion in the film and the new accommodations which will be created in Skhidnytsia (the UA Partner estimates that there will be an additional 350 beds in the town).

Outputs of the project:

- 2 wastewater treatment plants in Skhidnytsia;
- sewage system – 7926 m on the Polish side;
- connections to the sewage system - 105 buildings on the Polish side, 86 buildings on the Ukrainian side, including 8 large hotels;
- 2 common environmental events;
- media campaign promoting natural heritage and its values.

Beneficiaries of the project:

- residents;
- tourists and patients.

## **2. RELEVANCE OF THE PROJECT**

### **2.1 Provide a brief analysis of the problems and needs justifying the project**

Beneficiaries are located in areas with high potential for tourism development due to the qualities of the natural environment:

- LB – the Solinka river powers Lake Solina, Eastern Beskidy Protected Landscape Area and Cisna-Wetlina Landscape Park, Natura 2000 areas and lagging of the Bieszczady National Park;
- B1 - The Skole Beskids, the Schidnyczanka river - tributary of the Stryj river, mineral water springs, which support treatment of kidney and liver illnesses, anemia, diabetes.

Schodnica is a spa town like Polańczyk that is located on Lake Solina which is in the immediate impact of the project. The wastewater management is very underdeveloped in both communes, therefore pollution is undoubtedly the biggest problem of the project partners. Increasing number of hotels, recreation centers and new residential buildings and, from year to year, increasing inflow of tourists creates a greater need for wastewater infrastructure.

Precious natural values of the area covered by the project are still present due to the peripheral location, low economic activity and low population density. Legally protected areas in Solina Commune cover 76% of the commune. Cooperation for the protection of the environment is one of the priorities in the majority of cross-border agreements. This is due to the fact that the ecological coverage of the different areas does not coincide with the political division. Therefore, the effective elimination of cross-border pollution requires cooperation between the two countries. In addition, environmental awareness of inhabitants and tourists is often very low which also threatens the environment. Awareness-raising actions for people are needed to change the situation.

Target groups of the project are: authorities of the Solina commune and the town of Schidnica, entrepreneurs, business entities, residents, public utilities managers (191 objects) and the project staff (14 people). The final beneficiaries of the project will be the tourists (about 1.2 million people per year) and the residents of both communes (5313 in Solina and 2155 in Skhidnytsia). Statistical data concerning the demographic structure and the number of tourists comes from the research conducted as a part of the Solina Commune Development Strategy.

### **2.2 Demonstrate the cross-border impact of the project**

The benefits of the project, which occur on both sides of the border:

- elimination of pollution of the Solinka and Schidniczanka rivers and, consequently, the Stryj river and Solina Lake (clean environment in the protected areas and their direct surroundings);
- maintaining in good condition fauna and flora of rivers and lakes and their coastal areas;
- raising the environmental awareness of residents and tourists;
- promotion of the natural heritage;
- organizing two joint ecological cross-border events.

Implementation of the project is an opportunity to establish cooperation which will enable joint action to protect the environment and use the tourist potential of the cross-border area. The proposed partnership is important, because effective problem solving to protect the natural heritage in the border areas is not possible without cooperation. This is due to the global nature of the problem of environmental pollution and cross-border movement.

The protection of the environment will only make sense, if joint, coordinated investments are carried out on both sides of the border. The project will strengthen cooperation of the partners carried out since 2008. A well-developed cooperation of the local authorities in the Polish - Ukrainian border area will also provide a great platform for its further development.

A joint project team will be responsible for the preparation and implementation of the project, the achievement of outputs and

results, monitoring and evaluation. Partners will be able to share experiences acquired during the implementation of projects co-financed from the EU budget and other funds.

LB and B1 have been working together for many years, they have already implemented a project within the CBC Programme PL-BY-UA 2007-2013. The new project provides a unique opportunity to continue cooperation in the field of environmental protection and to promote the natural values of the cross-border areas and use their tourist potential.

### 2.3 Project impact on the cross-cutting issues:

Environmental sustainability	the main theme of the project
Human rights	a positive contribution to the policy
Gender equality	a positive contribution to the policy
HIV/AIDS	a neutral contribution to the policy
Democracy	a positive contribution to the policy

## 3. DESIGN OF THE PROJECT

### 3.1 Overall objective of the project

Improving the use the natural heritage of the Polish-Ukrainian border - the Bieszczady and Beskidy Mountains in the development of the tourist offer of the principles of sustainable development.

### 3.2 Specific objectives

Preservation and promotion on both sides of the border of the natural heritage in Schidnica (Ukraine) and Solina (Poland) communes.

The creation of environmentally friendly infrastructure permanently increasing standard of protection of the environment and the increasing attractiveness of tourist and investment area.

Promotion of natural heritage on both sides of the border and the development of good-neighborly co-operation.

### 3.3 Project activities

#	Name of the activity	Description
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1	Project management	<p>Responsible: LB and B1.</p> <p>The scope includes: coordination of a joint project team, organization of offices of the project, preparation of project documentation and tender documents, selection of suppliers/contractors, supplies and services planned in the project, organization of working meetings of staff, reporting and accounting, monitoring indicators' achievement.</p> <p>In order to implement the project, the Project Team (implementation team) consisting of 14 persons was created. The team consists of the employees of both partners, who have sufficient experience and qualifications.</p> <p>In addition, the lead partner is responsible for coordination and proper management of the whole project and any intentions of making changes to the material and financial scope of the project.</p> <p>There will be two project coordinators hired in the frames of the project on both sides of the border (budget lines 1.1. and 1.2). Their responsibilities are the following:</p> <ul style="list-style-type: none"> <li>- general coordination of the project - preparing, implementation and final settlement of the project,</li> <li>- conducting a systematic monitoring of the threats that may arise at any stage of the project.</li> </ul> <p>The Joint project team will also consist of the following persons from each Partner's institution:</p> <ul style="list-style-type: none"> <li>- Person responsible for executing procurement procedures,</li> <li>- Person responsible for monitoring construction works in the project,</li> <li>- Supervision Inspector – chosen in public procurement procedure. Supervision inspector will work on behalf of the investor, protect his interests and care about the quality of the construction works.</li> <li>- Commune mayor - any intention to introduce changes in the project will be submitted in writing to the commune administrator. Applications for possibility of introducing changes in the project will be made after confirmation of the changes by the commune administrator.</li> <li>- Treasurer of the Commune – the person is obliged to set up a bank account and prepare a plan of accounts for the needs of the project. S/he is also responsible for preparation of reports and applications for payment, financial settlement of the project.</li> <li>- Legal advisor (Lawyer) - is responsible for evaluating the draft agreements and annexes concluded by the municipality in order to properly implement the project and providing legal advice on matters of legal uncertainty.</li> </ul> <p>The Joint Project Team responsibilities:</p> <ul style="list-style-type: none"> <li>- Coordination of all activities within the project.</li> <li>- Material and financial correctness within the project.</li> <li>- Contacts with project-specific Institutions responsible for implementing the project.</li> <li>- Signing the project co-financing agreement.</li> <li>- Conducting the procurement procedures, in accordance with the applicable regulations and in the scope referring to the implemented project.</li> <li>- Reporting on project progress in material and financial matters, in accordance with the guidelines and obligations included in the co-financing agreement.</li> <li>- Take action to ensure budgetary resources for project implementation.</li> <li>- Bear expenditures for the implementation of the project in accordance with the guidelines of the Minister of Regional Development concerning the eligibility of expenditure under the Poland-Belarus-Ukraine Cross-Border Cooperation Program 2014-2020.</li> <li>- Record all the project expenditures in accordance with the</li> </ul>
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applicable regulations and guidelines, including, in particular, the use of separate accounting accounts for all project operations, the storage of invoices, accounts, material and financial information related to the implementation of the project.

- Compliance with all regulations and obligations contained in the co-financing agreement.

Tasks of a cross-border type.

2	Construction of sewage treatment plants and sanitary sewage system in Schidnica	<p>Responsible: B1.</p> <p>The activity consists of two tasks:</p> <ol style="list-style-type: none"> <li>1. "Sewage of the district of Kotliarevskiyi street in urban-type settlement Skhidnytsia, Boryslav city, Lviv region. Sewage treatment plants of deep biological cleaning of service-utility sewage water"</li> <li>2. "Sewage of the district of Konovalets street in urban-type settlement Skhidnytsia, Boryslav city, Lviv region. Sewage treatment plants of deep biological cleaning of service-utility sewage water"</li> </ol> <p>As a part of the general plan of the urban-type settlement Skhidnytsia a drainage system of the settlement is developed with the installation of local sewage treatment plants for service-utility sewage water cleaning. This scheme recommends the use for certain areas of local sewage treatment plants, using the technology of deep biological cleaning of service-utility sewage water with a proof of return water quality to the technical and allow the use of sludge as mineral fertilizers.</p> <p>Structural features of the equipment</p> <p>Individual cleaning units are used at 50 m<sup>3</sup> / day each in the process of cleaning and drains transportation and pumps. Construction works, installation of technological equipment and pipelines are carried out at the area. Energy-saving compressor and pumping equipment is also used.</p> <p>The productivity of the sewage treatment plants are determined by the master plan of the urban-type settlement Skidnytsia and at the cost of effluents of those objects that are in the zone of inflow (drainage basin) and make 300 m<sup>3</sup> / day, the operating capacity of 5000 people - Kotlyarevskiyi street - and 200 m<sup>3</sup> / day, operating capacity of 3500 people - Konovalets street. The technology of deep biological cleaning of service-utility sewage water allows, depending on the introduction of separate objects within the basin of the drainage system, to perform step by step the commissioning of the capacity of the sewage treatment plants facilities.</p> <p>Resolution of the master plan</p> <p>Sewage treatment plants are located on the area along the Kotliarevskiyi and Konovalets streets. Access to the areas from the existing roads. The plot is being made green.</p> <p>Structural solutions</p> <p>Sewage treatment plants of deep biological cleaning of service-utility sewage water consist of 2 blocks. The first block is for the location of technological equipment. The second block is an underground reservoir with a cover.</p> <p>Sewer networks</p> <p>The projects include:</p> <p>Kotliarevskiyi street.:</p> <ul style="list-style-type: none"> <li>- packing of sewage without pressure pipes made of polyvinyl chloride of PVC (Pipes two-layer plastic PP-B SN-8 Elplast company with a diameter of 300 mm.) - 240 meters.</li> </ul> <p>Konovalets street:</p> <ul style="list-style-type: none"> <li>- laying of sewage without pressure pipes made of polyvinyl chloride of PVC (Pipes two-layer plastic PP-B SN-8 Elplast company with a diameter of 200 mm.) - 47 meters.</li> <li>- packing of sewage without pressure pipes of polyvinyl chloride of PVC (Pipes two-layer plastic PP-B SN-8 Elplast company with a diameter of 300 mm.) - 10 meters.</li> </ul> <p>Potential consumers</p> <p>Kotliarevskiyi street:</p> <ul style="list-style-type: none"> <li>- Individual dwelling houses - 389;</li> <li>- Hotels, sanatoriums, villas (recreation sector) - 67.</li> <li>- Estimated operating capacity - 5000 people.</li> </ul> <p>Konovalets street:</p> <ul style="list-style-type: none"> <li>- Individual residential buildings - 150;</li> <li>- Hotels, sanatoriums, villas (recreation sector) - 45.</li> </ul>
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- Estimated operating capacity of 3500 people.

3	Construction of sanitary sewage system in Solina Commune.	<p>Responsible: LB.</p> <p>The activity will consist of construction of sanitary sewage system in Bukowiec, discharging wastewater with the use of pumping device to the existing sewage treatment plant in Wołkowyja through the villages of Zawóz and Wołkowyja in the Municipality of Solina. The construction of mentioned facilities will enable discharging sanitary sewage from residential, non-residential buildings and public utilities into the distribution system, their treatment and disposal in the form of purified sewage to the receiver (The Solińskie Lake).</p> <p>The scope of the activity includes:</p> <ul style="list-style-type: none"><li>- drainage of excavations,</li><li>- construction works</li><li>- securing existing wells</li><li>- securing wires crossing planned sewage system</li><li>- crossings through roads and streams</li><li>- construction of pumping facility (dry pneumatic type),</li><li>- construction of household wastewater treatment facilities,</li><li>- construction of access yards leading to pumping facility.</li></ul> <p>The sewage system is designed in a gravitational-pressure mixed system.</p> <p>The gravitational part of the sewage system and technological pipelines are planned to be made of PVC-U pipes and fittings. The pressure part of the sewage system is planned to be made of PE100 SDR13.6 pipes made of polypropylene of increased strength.</p> <p>There are also three dry pumping stations are planned for the project with a capacity of 5 l/s and one pneumatic sewage pumping station with a capacity of 7,46 l/s. The area where pumping stations will be located is designed to be fenced with a steel mesh fence coated with a height of 1.5 m.</p> <p>Length of sewage system, constructed with consideration to natural environment and its protection will be 7926m, and number of households/buildings connected to sewage system modernized with consideration to natural environment and its protection will gain 105 buildings with 376 inhabitants.</p> <p>Basic parameters of the investment:</p> <p>Quantity of sewage - 49 m<sup>3</sup>/d</p> <p>Gravity sewage network: Ø 200 mm PVC - U, SN 12, SDR 34, SLW 60 = 6422m; Ø160 mm PVC - U, SN 12, SDR 34, SLW 60 = 230 m.</p> <p>Pressure sewage network - Ø 90 mm PE100 = 1274m</p> <p>Sewerage wells = 316 pcs.</p> <p>Dry sewage pumping stations = 3 pcs.</p> <p>Pneumatic sewage pumping station = 1 pc.</p>
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4	Promotional campaign	<p>Responsible: LB and B1.</p> <p>I. Promotional campaign concerning the natural heritage of the project areas will consist of:</p> <p>1. The production of a documentary movie (3 language versions - PL, UA and ENG) related to natural heritage of the project area and presenting the most interesting outputs and results of the project activities are planned to be made for the purpose of conducting a promotional campaign in the PL and UA media.</p> <p>Content of the movie (25 minutes):</p> <ol style="list-style-type: none"> <li>a. General information about the project and its outputs.</li> <li>b. Introduction - the role of natural heritage in tourism development.</li> <li>c. Presentation of the most interesting sites representing natural heritage of the Solina Commune and Skhidnytsia Town.</li> <li>d. The way the Municipality of Solina protects the environment: renewable energy, waste management, water and sewage management, implementation of the low emission reduction plan.</li> <li>e. The way Skhidnytsia Town protects the environment: renewable energy, waste management, water and sewage management.</li> <li>f. Promotion of pro-ecological behaviors: water and energy saving, segregation of garbage, buying environmentally-friendly products, using public transport, reacting to environmental incidents.</li> <li>g. Presentation of the tourist offer.</li> </ol> <p>The movie will be displayed in the regional TV Rzeszow and TV Lviv, and websites of both Partners. Movie distribution will also take place at outdoor events. It will also be available in hotels, sanatoria and agritourism farms. The film will also be available on local NGOs' websites, as well as hotels, sanatoria and agritourism farms.</p> <p>2. Organizing two joint events with a message of ecological tourism and promotion of the local natural heritage for approx. 2000 people (1000 on each side of the border).</p> <p>It is planned to organize 2 outdoor events. These events will be organized in amphitheatres (in Polańczyk and Skhidnytsia) that were built in the framework of a joint project implemented by both partners as part of the the Cross-border Cooperation Programme Poland - Belarus - Ukraine 2007-2013 ( IPBU.01.02.00-18-703/11 - "Polańczyk and Schidnytsia - let's make use together of our tourist and cultural potential for the improvement of competitiveness of the Bieszczady region").</p> <p>The following activities will be undertaken in Polańczyk:</p> <ul style="list-style-type: none"> <li>- Presentation of Baligród State Forestry - presenting natural heritage and promoting pro-ecological behaviours.</li> <li>- Presentation of Bieszczadzki National Park and International Biosphere Reserve "Eastern Carpathians"- presenting natural heritage and promoting pro-ecological behaviours.</li> <li>- Presentation of local ecological culinary heritage - women's local organizations.</li> <li>- Concert: 2 local traditional folk ensembles (Poland, Ukraine); popular folk ensembles (Poland, Ukraine).</li> <li>- Contests: Ecological knowledge contest; Knowledge contest about the Bieszczady forests and their inhabitants, Knowledge contest about the Bieszczady National Park.</li> </ul> <p>The following activities will be undertaken in Skhidnytsia:</p> <ul style="list-style-type: none"> <li>- Presentation of International Biosphere Reserve "Eastern Carpathians" - presenting natural heritage and promoting pro-ecological behaviours.</li> <li>- Presentation of Beskidy Skolskie National Park - presenting natural heritage and promoting pro-ecological behaviours.</li> <li>- Presentation of local ecological culinary heritage - women's local organizations.</li> <li>- Concert: 2 local traditional folk ensembles (Poland, Ukraine);</li> </ul>
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		<p>popular folk ensembles (Poland, Ukraine).</p> <p>- Contests: Ecological knowledge contest; Knowledge contest about the Bieszczady forests and their inhabitants, Knowledge contest about the Bieszczady National Park.</p> <p>3. Promotional gadgets - distribution during the project events 1000 pieces (500 pieces for each Beneficiary)</p> <p>Tasks of a cross-border type.</p>
5	Visibility actions	<p>Responsible: LB and B1.</p> <p>The visibility action of the project will consist of purchasing the following items:</p> <ul style="list-style-type: none"> <li>- Rool-up to be used during projet events in Skhidnytsia - 1 piece.</li> <li>- Baner to be used during projet events in Polańczyk - 1 piece.</li> <li>- Information and commemorative boards - 8 pieces.</li> </ul> <p>Tasks of a cross-border type.</p>

### 3.4 Project results – output and result indicators

#### 3.4.1 Output indicators:

#	Programme indicator	Target value	Sources and means of verification
1	Number of cross-border events organized using Programme support	2	Activity no. 4 – Reports from the 2 joint events with a message of ecological tourism and promotion of the local natural heritage – programme and photos.
2	Number of promoted and/or preserved natural sites as direct consequence of Programme support	2	Activity no 4 – Report on content of documentary film. Copy of the documentary film promoting the objects of natural heritage in the area of the project and its impact in two lactions – Solina Commune and Skhidnytsia.
3	Number of persons participating in actions and awareness raising activities promoting preservation of natural heritage	2 000	Activity no. 4 – Reports from the 2 joint events with a message of ecological tourism and promotion of the local natural heritage – programme and photos.
#	Suggested indicators	Target value	Sources and means of verification
1	Number of campaigns promoting the preservation of natural heritage	1	Activity no 4 – Report from the Activity including delivery-acceptance protocols of supplies, services in respect of: documentary film + copy (DVD), information boards and promotional gadgets, of the organised tourist events (programme and photos), website entries statistics.
2	Number of publications on natural heritage of the region	1	Activity no 4 – Report from the Activity including delivery-acceptance protocols of services in respect of the film (+ film and DVD)
3	Length of constructed sewage systems aiming at preservation and protection of natural heritage	7 926	Activity no 3 - Final acceptance protocol of the construction works.
4	Number of households/buildings connected to the modernised/improved sewage systems aimed at preserving natural heritage	689	Activity no 2 and 3 - Agreements with the residents/managers of households/buildings concerning the collection of the wastewater.
5	Number of constructed wastewater treatment/purification plants aimed at preserving natural heritage	2	Activity no 2 and 3 Final acceptance protocol of the construction works, Post-completion stock-taking.

#### 3.4.2 Result indicators

Indicator	Baseline value	Target value	Sources and means of verification
Increased number of visitors of the natural heritage sites [persons] null	1 160 000	1 218 000	Activity no 2, 3 and 4 – Report made on the basis of statistic data from the Polish Tourism Organization and data from hotels located in Skhidnytsia about number of sold accommodation services.

### 3.5 Indicative project plan

#	Activity	Year 1				Year 2				Partner responsible
		I Q	II Q	III Q	IV Q	I Q	II Q	III Q	IV Q	
1	Project management									Solina Commune, City Council Schidnica
2	Construction of sewage treatment plants and sanitary sewage system in Schidnica									City Council Schidnica
3	Construction of sanitary sewage system in Solina Commune.									Solina Commune
4	Promotional campaign									Solina Commune, City Council Schidnica
5	Visibility actions									Solina Commune, City Council Schidnica

#### 4. OVERLAPPING WITH OTHER PROJECTS/PROGRAMMES

##### 4.1 Correlation with other projects

The project is interrelated with the other project implemented by both partners as part of the the Cross-border Cooperation Programme Poland - Belarus - Ukraine 2007-2013. The title of the project was the following "Polańczyk and Schidnycia - let's make use together of our tourist and cultural potential for the improvement of competitiveness of the Bieszczady region" (IPBU.01.02.00-18-703/11).

The natural and cultural heritage are basis for the development of tourism. Within the framework of the above-mentioned project cultural infrastructure has been created (amphitheater in Polańczyk and multi-use recreational amphitheater in Skhidnytsia) and two tourist events were organised in Polańczyk and Skhidnytsia. Within the framework of the project further efforts will be made to preserve and protect the natural heritage which, as mentioned above, is one of the most important elements of the tourist potential. Taking into account the attractiveness of the communes involved in the project, tourism is the main branch of their economic development.

##### 4.2 Overlapping or duplication with other aid programmes (e.g. EU programmes, EEA Financial Mechanism and Norwegian Financial Mechanism, Swiss-Polish Cooperation Programme)

no

##### 4.3 State aid

no

##### 4.4. Revenues

no

#### 5. PROJECT MANAGEMENT AND COMMUNICATION

##### 5.1 Project management

The project coordinators on both sides of the border and the project team will be conducting a systematic monitoring of the threats that may arise in any of the stages of the project. Preventive actions will be taken at the right time and after the occurrence of a threat the team will take a corrective action with the aim of reducing its effects. Any issues related to the elements of risk, their occurrence or the risk of their occurrence will be discussed during the working meetings of the team (once a month) and reported in the monthly reports of the activities undertaken within the framework of the project. In cases of significant divergences between the actual and the expected schedule, the project team (implementation team) together with the managers of the units implementing the project will carry out a re-evaluation of the risk and, if necessary, introduce possible revisions of the risk management plan. In addition, each of the partners will constantly keep track of changes in the value of the indicators and any changes will be reported. The partners have the technical capabilities necessary to implement the project. There is office space in the buildings in which the headquarters of the partners are

located. The buildings are equipped with: electrical installation, central heating system, plumbing installation, gas installation and telecommunication network. All offices are equipped with the necessary furniture and office equipment that will be used for the implementation of the project. Hence, there is no need to purchase or rent the office space or equipment. There will be two project coordinators hired in the frames of the project on both sides of the border (budget lines 1.1. and 1.2). They will be selected according to the principle of competitiveness and will start working since the first month of the project implementation. They will work 27 months and salary of the Polish coordinator will be 1000,00 EUR, and Ukrainian coordinator 500,00 EUR.

The above people besides supervision inspector are the employees of the LP and P1, and there is no extra funds planned for their salaries in the project budget.

#### 5.2 Brief information and communication plan of the project

#	Communication objectives	Target group(s) of the communication objectives	Communication tools	Indicators of achievement for communication tools (target values)	Beneficiary responsible for the communication activity
1	Promote the natural heritage of the project areas. Promote project results and outputs Promote the Programme and the EU	Stakeholders of the project (the inhabitants of the Solina commune and the town of Schidnica, tourists), media (TV stations from Rzeszów and Lviv)	Documentary movie (3 language versions - PL, UA and ENG) related to natural heritage of the project area and presenting the most interesting outputs and results of the project activities. The movie will be displayed in the regional TV Rzeszow and TV Lviv, and websites of both Partners. Movie distribution will also take place at outdoor events. The film will also be available on local NGOs' websites, as well as hotels, sanatoria and agritourism farms.	1 000 DVD copies 60 000 TV viewers 15 000 websites' visitors	Solina Commune, City Council Schidnica
2	Promote the natural heritage of the project areas. Promote project results and outputs	General audience	2 Polish-Ukrainian subpages "Local natural heritage" with the tourist offer (educational paths in both communes, hiking trails in Bieszczady mountains).	2 pcs. 15 000 viewers	Solina Commune, City Council Schidnica
3	Promote the natural heritage of the project areas. Promote project results and outputs Promote the Programme and the EU	Stakeholders of the project (the inhabitants of the Solina commune and the town of Schidnica, tourists)	2 joint events with a message of ecological tourism and promotion of the local natural heritage for approx. 2000 people (1000 on each side of the border).	2000 people	Solina Commune, City Council Schidnica
4	Promote the Programme and the EU	General audience	Information and memory boards, roll-up and billboard	10 pcs.	Solina Commune, City Council Schidnica

## 6. SUSTAINABILITY OF THE PROJECT

### 6.1 Sustainability of the project's impact and its expected results

The project will bring immediate and long-lasting effects for the target groups. Taking care of the sewage system in Bukowiec and construction of two sewage treatment plants in Schidnica will allow to improve the technical infrastructure and the state of the environment which are the factors conditioning the socio-economic development and the development of tourism based on the local natural heritage concentrated around the San and Stryj rivers. It will also improve the quality of life and conditions for conducting business activities in the commune. Due to applied technology, the infrastructure that will be built will be able to be further developed (extended) and consequently it will increase the number of people using it and contribute to the environmental protection.

Both Beneficiaries will be the owners of the outputs – ownership of constructed sewage system for the Bukowiec village - Solina Commune; ownership for the two sewage treatment plants – Skhidnytsia Town Council.

In the long term, the project will meet the criteria and standards required in the UE for sewage treatment. After completion of the project, the outputs will be still used to ensure compliance with waste water treatment standards and to reduce pollution of surface and ground waters of the area. Either Solina Commune and the Skhidnytsia Town Council have incomes guaranteeing the maintenance of project outputs and results (financial sustainability) for at least 5 years and ensuring their continued funding. Partners will secure certain resources in their budgets for the implementation and maintenance of the project. So in order to implement the statutory objectives and statutory tasks of both beneficiaries, they will be provided with budgetary resources and fees from users.

The entity that will manage the infrastructure resulting from the implementation of the project in Solina Commune will be the Communal Plant in Polanczyk Ltd. (GZK) organizational unit (budget) of the Commune of Solina. As a result of the implementation of the project, the infrastructure will be provided in the form of a lease agreement (payable) to the GZK. The GZK has an organizational and financial capacity necessary to maintain the sustainability of the project, guaranteeing the maintenance of the products and results of the project for a period of at least 5 years after the final settlement and ensuring their continued funding.

The entity that will manage the infrastructure resulting from the implementation of the project in Skhidnytsia will be the Communal Enterprise "Hospodarnyk" in Skhidnytsia. The "Hospodarnyk" is and organizational unit of the Skhidnytsia Town Council. As a result of the implementation of the project, the infrastructure will be provided to the Communal Enterprise, which has an organizational and financial capacity necessary to maintain the sustainability of the project, guaranteeing the maintenance of the products and results of the project for a period of at least 5 years after the final settlement and ensuring their continued funding.

<b>7. PARTNERSHIP</b>	
<b>7.1 Scope of cooperation</b>	
Level of cooperation	Joint cooperation
Joint project preparation	yes
Joint project implementation	yes
Joint project staff	yes
Joint project financing	yes

**8.1 Identity of the Lead beneficiary:**

Name of the organisation in original language	Gmina Solina
Name of the organisation in English	Solina Commune
Nationality of the organisation	Polish
Type of organization	institutions of national, regional, local governments or association of such institutions
	local government
	Commune Solina is a local government.
Organisation ID	6881245181
Postal address	38-610 Polańczyk, ul. Wiejska 2
Telephone number	48+13+4692118
Fax number	48+13+4692321
Website of the organization	<a href="http://www.esolina.pl">www.esolina.pl</a>

**9.1 Identity of the Beneficiary:**

Name of the organisation in original language	Східницька селищна рада
Name of the organisation in English	City Council Schidnica
Nationality of the organisation	Ukrainian
Type of organization	institutions of national, regional, local governments or association of such institutions
	local government
	Local government.
Organisation ID	82391
Postal address	82391, Lvivska oblast. Skhidnycia, vul. Zolota Ban
Telephone number	+3803248 482 01
Fax number	+3803248 480 36
Website of the organization	shidnitca-rada@ukr.net