

## I. Project data

Title of the project	543707-TEMPUS-1-2013-1-DE-TEMPUS-JPHES Ecological Education for Belarus, Russia and Ukraine
Project objective	<ul style="list-style-type: none"> <li>• development, dissemination and application of effective science-based knowledge about the ecological relationships and environmental protection in Belarus, Russia and Ukraine;</li> <li>• support by the national governments of Belarus, Russia, Ukraine integration and realization of modern ecological education in the context of a multilevel education system;</li> <li>• support of system of continuous education in Belarus, Russia, Ukraine;</li> <li>• increase of ecological literacy and formation of the behavior which isn't causing damage to environment in Belarus, Russia, Ukraine.</li> </ul>
Eligibility period	from 01/12/2013 – to 30/11/2016
Target country/ies	Belarus, Russia, Ukraine
Beneficiaries	<p>University of Bremen, Bremen, Germany  University Paderborn, Paderborn, Germany  University Zilina, Zilina, Slovak Republic  Latvian university, Riga, Latvia  Center of transport researches Brno, Brno, Czech republic  International State Ecological University, Minsk, Belarus  Vitebsk State Technological University, Vitebsk, Belarus  Francisk Skorina Gomel State University, Gomel, Belarus  Polessky State University, Pinsk, Belarus  Republican institute of professional education, Minsk, Belarus  National Institute for Higher Education, Minsk, Belarus  Petersburg state university of means of communication, St. Petersburg, Russia  Lipetsk state technical university, Lipetsk, Russia  NPP Distant, Lipetsk, Russia  Rostov state construction university, Rostov, Russia  Magnitogorsk state technical university, Magnitogorsk, Russia  Novosibirsk chemical and technological college of D. I. Mendeleev, Novosibirsk, Russia  Siberian State Academy of Geodesy, Novosibirsk, Russia  Novgorod institute of a development of education, Veliky Novgorod, Russia  National transport university, Kiev, Ukraine  Taurian national university of V. I. Vernadsky, Simferopol, Ukraine</p>

	Chernivtsi National University of a name Yu. Fedkovich, Chernovtsy, Ukraine Pereyaslav-Khmelnysky state pedagogical university of a name. Frying pans, Pereyaslav-Hmelnytsk, Ukraine National academy of pedagogical sciences of Ukraine, Kiev, Ukraine Kauffman Unternehmensberatung's open company, Bud Zegeberg, Germany Belarusian State Agricultural Academy, Gorky, Belarus
Total approved budget	1 421 960,45
Maximum grant amount	391 923,84
Last report approved	N/A

## II. Monitoring visit data

Visit date	September 19, 2014
Monitoring team	Nikolai Listopad, Katsiaryna Miniukovich – NEO Belarus
Persons met	ISEU: Uladzimir Krasouski, Elena Zhuk, Boris Tonkonogov, Ludmila Major, Natalya Prokopenko, Sergei Pozniak, Semen Kundas, Elena Malashenko, Elena Alekseichik  VSTU: Alexandr Grechanikov  GSU: Natalya Kopytkova  PolesSU: Svetlana Vertay, Pavel Pigalle  RIPO: Alena Kasyanik  NIHE: Irena Lapina  BSA: Svetlana Ryzhenkova, Pugacheva Irina, Nikonovich Tamara
Place of meeting	ISEU, Dolgobrodskaja str. 23 Minsk, Belarus

## IV. Visit findings

### RELEVANCE AND QUALITY OF DESIGN

*Visit findings:*

Substantially the reasons of environmental pollution are covered in absence of ecological responsibility and necessary competences of experts. Therefore an important step in the solution of this problem is professional development of experts in ecological disciplines. In Belarus there are no programs of professional development for ecological subject now. Development and approbation of programs of professional development taking into account ecologically focused contents is very relevant in a national context.

Added value of this project for our country is that four of the five involved Belarusian universities are regional.

All participants of the project from the Belarusian party deal with issues of professional development on a constant basis, have qualified specialists for development and approbation of programs of professional development for an ecological problems. In the project seminars on didactics of ecological education, methodology of distance learning, and also training and exchange of experience are planned. They must provide a high quality program design.

Purchase of equipment, as well as seminars on technical support distance learning will allow to carry out training on environmental topics on modern remote platform. The envisaged project testing remote training programs identify what adjustments need to be made.

The important prerequisite for successful implementation of the project is participation in it of the RIPO and NIHE. These organizations are key in the country in questions of professional development (vocational education and higher education, respectively)

On the basis of the aforesaid we consider that the objects set by the project are achievable in Republic of Belarus.

#### **EFFICIENCY OF IMPLEMENTATION TO DATE**

##### ***Visit findings:***

In all Belarusian organizations involved in the project the order of the head approved the working groups on implementation of the project. *We recommended to the PolesSU to include in the working group of the rector or vice rector, since the available experience of realization Tempus of projects in Belarus showed efficiency of such approach.* In other organizations, the leaders of this level are already involved in the project.

Bilateral Agreements between the Coordinator and Belarusian partners have signed.

Belarusian participants of the project in approximately equal shares presence of men and women, about the age - there are performers as under 40 years old and older, in approximately equal shares.

To date, all Belarusian partners involved in the project activity.

Representatives from all seven partner organizations (of 28 people) participated in the meetings to date: (Bremen, February 16-21, St. Petersburg, June 28-July 4). These events have been clarified the responsibilities of each partner, an action plan, the results of the survey, e-learning didactics, didactics of environmental education. Among the proposed freely distributed platforms for distance learning, was chosen platform Moodle.

Under the project, a questionnaire was to identify the needs of the target groups in the competencies of ecology. All Belarusian partners conducted a survey of teachers, students, participants in training courses. Based on the survey results consortium determined the list of training programs on the environment, which should be developed within the project,

including 3 of the program will be developed by each Belarusian university. At the time of monitoring Belarusian participants have agreed to, what specific programs, each of them will develop.

*However, it should be noted that the participants of monitoring have no general concept concerning structure and requirements to programs which have to be developed. We recommended that RIPO and NIHE jointly developed these aspects and the results sent to all Belarusian participants of the project.*

Most of the participating universities have already prepared an updated list of equipment. ISEU discusses coordinator scheme procurement of equipment for the Belarusian participants.

Procedure of registration of the project as project of the international technical assistance is at the moment not complete though all necessary documents were filed to the Ministry of Education in the middle of March, 2014. The project has already passed a series of endorsements and is under consideration in the Council of Ministers, which shall take a decision on registration. In the work plan of the project accounted for most of the duration of the registration process - all activities related to the acquisition of equipment and literature begins at the end of the first year of the project. Payment of the participation in the meetings of the Belarusians of the project carried out the coordinating university. Thus, the project is well adapted to the peculiarities of the environment.

All universities conducted language training (LFM 3.1.1) and specialized literature purchased (LFM 3.1.4) at the expense of co-financing.

## **EFFECTIVENESS TO-DATE**

### ***Visit findings:***

Since the project is in the initial stage of implementation, planned beneficiaries haven't got benefits yet. But interim results obtained: the identified needs of the target groups, developed in accordance with these requirements, the training programs, language training (2-4 people from each institution, depending on the cost of the course), training on the technical aspects of the implementation of distance learning (1-2 person from each university), revised list of equipment - will contribute to the achievement of project results.

Project is adapted to delay the registration period (LFM 1.1.1), as activities related to procurement (LFM 3.2.3, 5.1.2) begin with 11 months of the project.

We made to participants of monitoring recommendations - to them expediently to discuss questions of use in Belarus of results which will be received by partners from Russia and Ukraine and vice versa. We have encouraged our participants to state more tight and effective relationships with the partners from Ukraine and Russia as it's a common objective of a multi-country project and always brings positive spin-off effects.

## **IMPACT TO DATE**

### ***Visit findings:***

*Department level*

The result received at this level consists in professional development of professors and experts from the participating Belarusian organizations for English and German (2-4 persons from each university), on technical ensuring distance learning (1-2 persons from each university). Additionally, we expect the effect of internships in universities EU (LFM 3.2.2).

#### Faculty level

The expected effect at this level is that faculties will use new programs of professional development and a modern remote method of training.

#### University level

We expect that domestic participants of the project will become the “centres of excellence” in the field of the professional development on ecological subject, because Belarus earlier in this themes in the professional development was not. Experience of implementation of the project will be the significant contribution to internationalization of the Belarusian participants. Partner relationship with universities from the EU, Ukraine and Russia will strengthen the capacity of domestic universities.

Introduction of new programs of professional development will promote ecologically responsible relation of experts in our country to environment.

### SUSTAINABILITY

#### ***Visit findings:***

Owner of the equipment that will be purchased will be universities.

Programs will be developed to meet the needs of target groups identified in the survey, which will contribute to the demand for programs. *RIPO and NIHE* will examine programs.

In Belarus about the project 2 articles are published: in the conference materials ("Sakharov Readings 2014: Environmental Problems" (ISEU) *and* in the newspaper « Vesti VSTU» (VSTU). ISEU *and* VSTU also published information on the project on the websites: [http://iseu.by/online/tnj2/one\\_article.jsp?PageID=89308&resID=100229&lang=ru&tnj\\_type=2&rid=116458&tnj\\_id=11373&pid=100229](http://iseu.by/online/tnj2/one_article.jsp?PageID=89308&resID=100229&lang=ru&tnj_type=2&rid=116458&tnj_id=11373&pid=100229); <http://vstu.by/ru/estu/vesti-vgtu/nauka-i-zhizn/tempus-ekologicheskoe-obrazovanie-dlja-belarusi>. *It is recommended to other partners to place in the shortest possible time information on the project on websites of the organizations, and also to all partners - to develop and realize strategy for a dissemination taking into account the LFM WP7.*