

Ecological Education for Belarus, Russia and Ukraine (EcoBRU) – Very Brief Project Draft

Date of Submission: March 26th, 2013
Project Duration: December 2013 –November 2016
Project Coordination: University of Bremen/Prof. Dr. G. Spöttl
Type of Project: Joint Project -JPHEs

National TEMPUS Priorities:

- **Belarus:** CD: Teacher Education and Educational Sciences, Environment
JPHEs: Development of lifelong learning
- **Russian Federation:** CD: Teacher Education and Educational Sciences, Environment
JPHEs: Development of lifelong learning
- **Ukraine:** CD: Teacher Education and Educational Sciences
JPHEs: Development of lifelong learning

Regional TEMPUS Priorities: CD: environment
JPHEs: Development of lifelong learning

Project Consortium:

1. Bremen University, Coordinator and Beneficiary, DE
2. Paderborn University, DE
3. Zilina University, SK
4. University of Latvia, Riga, LV
5. CDV Transport research Centre Brno, CZ
6. International Sakharov Environmental University Minsk, BY
7. Vitebsk State Technological University, BY
8. Staatliche Francysk-Scaryna-Universität in Gomel, BY
9. Polesky State University Pinsk, BY
10. Republikanisches Institut für berufliche Bildung (RIPO), BY
11. Republikanisches Institut für Hochschulwesen (RIWSCH), BY
12. St. Petersburg State University of Railway transport, RU (zzgl. Berufsbildungseinrichtung von PSTU)
13. Lipetsk State Technical University, RU (zzgl. Berufsbildungseinrichtung von LSTU)
14. NPP Distant, RU
15. Rostov State University of Civil Engineering, RU
16. International Corporate Technical University Rostov, RU
17. Magnitogorsk State Technical University, RU
18. Chemical Technological College, Novosibirsk, RU
19. Siberian State Academe of Geodesy, RU
20. National Transport University Kiev, UA
21. Taurida National University named after Vernadsky, UA
22. Chernivtsi National University named after Yuriy Fedkovych, UA
23. Pereyaslav-Khmelnytsky Hryhoriy Skovoroda State Pedagogical University, UA

24. Nationale Akademie für Pädagogische Wissenschaften der Ukraine, UA
25. Kaufmann Unternehmensberatung GmbH, DE

General Objectives of the Project:

- Support of the development, dissemination and exploitation of relevant and activity-oriented scientifically based knowledge about ecological interrelations and environmental protection in Belarus, Russia and Ukraine
- Support of the efforts of Belarusian, Russian and Ukrainian governments in integrating and enhancing environmental/ecological education at all levels of education
- Support of the implementation of lifelong learning in Belarus, Russia and Ukraine
- Increasing sensitiveness according to ecological oriented behaviour in Belarus, Russia and Ukraine

Specific Objectives of the Project:

- Development of further education programmes on environmental/ecological education for teachers of all levels of general and vocational education as well as for civil servants
- Introduction, testing and official recognition of e-learning training courses on environmental/ecological education for teachers of all levels of general and vocational education as well as for civil servants
- Adaptation and modernization of existing bachelor and master programmes according to ecological/environmental contents

Main Outputs/Outcomes of the Project:

- I. Project Implementation and Project management (MNGT)
 - kick off meeting,
 - establishment of a management structure
 - establishment of project teams and working groups,
 - establishment, further development and controlling of a detailed working plan,
 - project administration,
 - project communication,
 - financial control,
 - reporting
- II. Detailed specification of qualification needs (DEV)
 - of teachers of general education
 - of teachers of vocational education,
 - of teachers of higher education,
 - in the sphere of ecological knowledge and environmental protection,
- III. Improvement of Qualifications and Skills of Teachers of Higher Education (DEV)
According to the results of work package II.:
 - didactics of environmental education
 - didactics of e-learning
 - different special fields of environmental protection like "green technologies", environmental engineering, environmental management, waste management, international environmental law, corporate (economic) environmentalism, environmental accounting, etc.
- IV. Joint Development of Further Education Concepts for Teachers (DEV)
According to the results of work package II.:
 - training concepts for teachers of general education
 - training concepts for teachers of vocational education

- V. Development, testing and implementation of e-learning training courses on environmental/ecological training and education (DEV)
- Adaptation (technical) of e-learning systems,
 - Development of teaching materials (according to IV.),
 - Development of training courses for teachers of general education (according to IV.),
 - Development of training courses for teachers of vocational education (according to IV.),
 - Development of training courses for civil servants (according to IV.),
 - Testing of e-learning training courses for teachers of general and vocational education and civil servants
 - Implementation of e-learning training courses for teachers of general and vocational education and civil servants
- VI. Adaptation and modernization of existing bachelor and master programmes according to ecology-oriented contents (EXPL)
- Revision of learning targets (according to learning targets of WP IV)
 - Adoption and adaptation of learning materials developed in WP V
 - Integration of reviewed learning materials into existing bachelor and master programmes
- VII. Dissemination (DISS)
- Dissemination events at all Russian partner universities
 - "Round Tables" with representatives of general, vocational and higher education
 - Press releases and press conferences
 - Publications in professional journals
 - Project web-sides in each partner country
 - final conference on environmental education
- VIII. Sustainability (EXP)
- Involvement of representatives of general, vocational and higher education into needs analysis (WP II.)
 - Involvement of representatives of general, vocational and higher education into conceptual development of training courses (WP III.)
 - formal recognition of training courses
 - formal contracts between partner universities and general/vocational education institutions on further education of their teachers
- IX. Quality and Project Control (QPLN)
- Content oriented Quality Assurance:
- Evaluation of concepts of training courses
 - Evaluation of teaching and learning materials
 - Revision workshops
 - Survey of participants in training courses
- Control of project progress:
- Internal reporting
 - Evaluation workshops