



**Healthy URBan Environment:
Developing Higher Education
in Architecture and Construction
in Bosnia and Herzegovina / HURBE**

Sustainability Plan

Work Package 5

2021



Healthy Urban Environment



Co-funded by the
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Healthy URBan Environment Developing Higher Education
in Architecture and Construction in Bosnia and
Herzegovina
CBHE Project ref. 598503

Table of Contents

Introduction	2
Project Summary.....	2
HURBE Dissemination strategy.....	3
HURBE Target audience	4
Sustainability Plan Actors	4
1. Training of trainers	5
2. Established courses	5
3. Installed laboratories.....	6
4. Project's website	7
5. Project documents	7
Strategy of activities	7
Dissemination channels	8
Dissemination materials	10
Sustainability of the results after the end of the HURBE project.....	11
Disclaimer	12



Healthy Urban Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina CBHE Project ref. 598503

Introduction

This document presents the Quality Control Plan for Erasmus + KA2 CBHE project 598503-EPP-1-2018-1-IT-EPPKA2-CBHE-JP "Healthy Urban Environment: Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina" (HURBE). It is developed in the scope of the WP 5 (Sustainability Plan) of the Project in compliance with the Project description and all applicable rules & guidelines.

Sustainability of the project is a fundamental aspect and it aims to ensure that continuity of the outputs. This plan defines the general approach sustainability during the project's lifetime and after the termination of the funded period of the project. It indicates the measures that guarantee the constancy of the results. This document should ensure dissemination and sustainability of the project results, public awareness through active networking among academic communities and stakeholders in the target and neighboring countries, and create a stimulating environment for experience exchange. Each partner university must take a lead on dissemination within its own country and help to raise awareness amongst targeted stakeholders in local, regional and national context.

Project Summary

The project aims to improve the quality of education in the organizations of Bosnia and Herzegovina by focusing on curriculum development, modernization of HEIs and strengthening the relationship between HEIs and the urban and health environment. Therefore, the general aims and objectives of HURBE are:

- Strengthen credit transfer and the status of degree programs to support accessibility and internationalization in Architecture and Civil Engineering Faculties.
- Modernization of curriculum by developing new and innovative courses and methodologies in the Subject area Architecture and Construction.
- Integrate innovative learning, teaching tools, and ICT-based practices. This will be through the following specific objectives:
- Analysis and introduction of credit transfer in Architecture and Civil Engineering Faculties in Bosnia Herzegovina.
- Integrate innovative educational approaches by focusing on decisive content in the disciplinary sectors of Architecture, Construction, Urban Planning, Landscape Architecture, Technology of Architecture and Civil Engineering.
- Develop new courses in the field of Healthy Urban Environment and upgrade HEIs facilities (laboratories) to enhance relevance with the labour market and society.



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- Increase cooperation and exchange between academic staff, students and policymakers in Bosnia Herzegovina and Europe.

The specific needs and problems in the Partner Country organizations will be changed through the following ways:

- Compare contents for the different Architecture and Civil Engineering teaching methods will have a direct impact on the internationalization and modernization of higher education in B&H.
- Install permanent laboratories of HURBE that support the implementation of innovative practices for the teaching methods and the development of new services - for HEIs and other institutions - in the Partner Country. This creates a sustainable funding resource by offering services to external clients even after the project's lifetime.
- Development and testing of courses, learning materials, and tools in the field of HURBE will have a substantial impact on the capacities of Bosnian HEIs.
- Organizing joint initiatives and the share of good practices will foster cooperation among the HEIs of Partner Country and integration with Associated Partners.
- Development of new and innovative forms of learning and provide education programs will improve the competences and skills in HEIs of the Partner Country.
- Organization of staff training will focus on upgrading the general skills of academic and administrative staff in the Partner Country.
- Increase the specific competences of the teachers, students and trainers from the Partner Country in the Healthy Urban Environment topic through an intercultural approach of knowledge sharing.

HURBE Dissemination strategy

HURBE dissemination strategy aims to create awareness among various stakeholder groups of the project, its progress and results. The dissemination strategy is part of the overall project implementation plan and explains how the visibility of the project outputs and outcomes could be maximized, and how the project results are shared with different target groups, stakeholders, relevant institutions, and organizations. Thus, the approach for dissemination is addressed to fulfil the project expectations and to ensure its post-implementation sustainability. The main objective of the HURBE dissemination strategy plan is the need to support the project sustainability:

- Multiply the project outcomes, spreading the information about the project to groups of people or institutions not directly involved in the project in order to share the results, best



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Healthy URBan Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina CBHE Project ref. 598503

practices, lessons learned and possibly contribute to the solution of similar issues in a broader institutional, regional and national context;

- Gaining support from decision-makers at the university level as to facilitate the necessary management support and generate potential positive decision concerning project's sustainability;
- Gaining acceptance and interest from the direct users/ target groups for the delivered services after the project end and/or to potentially support the project's sustainability.

HURBE Target audience

Target audience of the HURBE project can be divided into general audience and specific audience.

General audience include people who may not have professional interests in the project, but in terms of visibility of the project results is considered as very important for the project.

Specific audience consists of:

- Academic community: students, researchers, professors, external experts participating in the course delivery or other people involved in activities related to the project's topic and interested in following its development and outcomes;
- Stakeholders, potential employers of graduates; experts or practitioners in the field (graduate engineers and architects) and other interested parties;
- Decision-makers at the university or government level;

Sustainability Plan Elements

The Sustainability Plan (T.5.3) addresses fundamental aspects for the steadiness and continuity of the outputs and outcomes of the project. The institutional sustainability will be applied through the confirmation of the universities' engagement in terms of modules' approvals during the lifetime of the project and after. The financial sustainability will be guaranteed through some of the sustainability plan elements mentioned below; it will also belong to official financing authorities (Ministry, University and local authorities) and sponsorships. The organizational sustainability has to be to guarantee staff and resources efficient management. Social sustainability aims to acquire a sustainable and positive relationship with students, public and private companies, and labour market. Therefore, the following represent the elements of the sustainability strategy:

1. Training of trainers
2. Established courses



Healthy URBan Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina CBHE Project ref. 598503

3. Installed laboratories
4. Project's website
5. Project documents

1. Training of trainers

The project tasks were elaborated to transfer knowledge, skills, and abilities to partner countries' Higher Education Institutions members. The training is delivered through WP1 and WP2, the following tasks:

T1.2. Training on credit transfer and programmes management, T1.3. Observation visits: management of Faculties of Architecture and Civil engineering and their Degrees in the framework of internationalization, T2.1. Identification of needs in trainers' competences, T2.2. Preparation of seminars for trainers, T2.3. Providing a seminar for trainers.

These tasks aim to develop the competencies of academic and administrative staff members for the development of higher education in their home institutions. T1.2. and T1.3. increase the internationalization through the focus on management and organization of degrees, transfer of credits in EU mobility (Erasmus plus programme), rules and/or software used to manage the plan of study of the students, and structure and management of the Faculties.

WP2 aims to enhance the competences of Bosnian trainers (professors, assistants, Ph.D. students) in the Healthy Urban Environment topic. The training prepares the trainers of the future in an intercultural, international and interdisciplinary dimension. The seminar preparations are based on previous surveys and reports and they take into consideration modern training and learning tools. The trained trainers from Partner Country HEIs will be responsible for carrying on duties and transferring knowledge in their HEIs. In this manner, the cycle of transfer of knowledge should develop and reach more internal figures in Bosnian universities, which guarantees the continuity of development of the actors.

2. Established courses

In WP4, detailed education modules for students are prepared and the activities of WP2 (Task 2.1, Task 2.2 and Task 2.3), and according to the International Quality Standard for HEIs. The two modules of total 10 ECTS are elective courses and they are provided in the classroom and with students' attendance at UNSA, UNZE and UNMO. The courses are officially accredited and approved as part of the curricula, according to the national regulations.

The integration of the courses through official university declaration and their inclusion in the



Healthy Urban Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina CBHE Project ref. 598503

curriculum permits the trained trainers (Bosnian academic staff members) to continue to proceed with teaching the courses after the project period. The 5+5 (7+3) ECTS courses become a part of the existing curriculums in Architecture and Engineering schools in Bosnian HEIs. The students that participate in the courses gain a new learning content through the innovative teaching methodologies used in the courses. There is an integration between the theory in the courses and the practical training development of well-prepared professional figures, increasing their employability and impact on the community. The courses have an interdisciplinary vision to transfer competencies through innovative means, to urban planners, architects, and engineers of the future. These figures will participate in the design process of protecting and ensuring the health and wellbeing of people living in cities. They will be the element of sustainability in their communities.

Two 1 ECTS MOOC modules will introduce a large number of students to the Healthy Urban Environment topic and are delivered online through the HURBE Platform. It will continue to exist after the project's lifetime, allowing the spread of knowledge and the dissemination of the project's outcomes, even after the termination of the European funding. Also, the MOOC participants (students, experts, etc.) will get to learn about the partner countries, their universities, and academic staff members.

3. Installed laboratories

WP3 focuses on the set-up of new laboratories in Bosnian HEIs. It upgrades facilities by installing permanent laboratories of Healthy Urban Environment that support the implementation of innovative practices for the teaching methods and the development of new services - for HEI and other institutions.

The WP installs one permanent laboratory dedicated to Healthy Urban Environment in each Bosnian University (Total 3 laboratories). Each Bosnian University chooses the equipment necessary for its university and its context. These laboratories will be prepared to assist the monitoring and collection of updated local policies on Urban Environment. They become units that monitor the evolution and innovation of the tools for the analysis of Urban Environments. Through the laboratories, the universities can develop activities for the development of their communities, and they can coordinate the project for universities and external clients. They will foster the network with similar laboratories on an international scale, which allows a potential continuity and expansion of the activities focused on healthy urban environment and building capacities in universities. The internships offered for the students will provide them with technical support and services (e.g. Training on tools use, support to develop the final thesis etc.) to fill the significance of the gap between the practical skills of recently graduated students and the needs of the labour



Healthy URBan Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina CBHE Project ref. 598503

market.

In addition, the laboratories represent a fundamental financial sustainability element as they create a steady source of funding by offering services to external clients even after the project's lifetime. The services are fee-based technical services and fee-based training to enterprises, public institutions and stakeholders according with the internal universities, local, national regulations.

4. Project's website

The website will remain active for at least 10 years. It will support the dissemination and exploitation of the project results, follow-up of the project news and activities. It will also add exposure to external stakeholders and represent a networking channel. The documents published on the website will be a sustainable source of the spread of knowledge and promotion of the reached outcomes. After the termination of the European funding, the website will continue to promote the outcomes and it will be active and share further activities developed by the project partners within the project theme.

5. Project documents

The documents produced in different tasks represent an important source that will continue to exist and support future activities. The documents produced in WP1, WP2 and WP4 shall assist the partner universities to strengthen credit transfer and the status of degree programs to support accessibility and internationalization in Architecture and Civil Engineering Faculties. The defined deliverables in the detailed project description (surveys, grids, questionnaires) have to be available for all the project members. Besides, the presentations during the project events, including seminars, training of trainers and workshops should be shared through the intranet platform and/or other suitable platforms. This facilitates the expansion of the impact within the project members and other potential stakeholders.

Strategy of activities

Dissemination & Exploitation activities will address the following target groups and be organized as follows:

- **Event-based dissemination.** The project will organize dissemination workshops, stakeholder meetings and the international conference to inform and engage with the national academic communities. The final project conference will address a broader audience bringing together additionally policy makers, NGOs, education authorities,



Healthy Urban Environment Developing Higher Education in Architecture and Construction in Bosnia and Herzegovina CBHE Project ref. 598503

other stakeholders important to the best practice proliferation in the countries.

- **Web-based dissemination.** The project website will serve a major interface and community building platform. In addition to be a repository to all tangible outcomes (training and teaching materials, results of the surveys, MOOC entry point, methodological materials, reference materials, etc.), it will enable community activities (blogs, social networks interface, FAQ, etc.). On top of that, all partners will use other available web-based dissemination channels (own websites, mailing lists, community resources). All target groups will be addressed.
- **Traditional dissemination.** The project will produce the set of traditional promotional materials, it will publish major results in media (general public) and professional journals (academic community). Additionally, the project will organize several briefing meetings with policy making stakeholders to enable a multiplier effect.

Dissemination channels

HURBE will perform its dissemination activities on a wide range of channels, in order to maximize impact and to reach all target audiences. The following dissemination channels will be used to target each of the target groups with a specific aim:

- Project Website
- Social Media
- Leaflets, Flyers, Posters, Presentations
- Synergies with the local, regional and national Media and Press
- Journal and Conference Articles
- Workshops and Roundtables
- Conferences and Events

The partners will take the opportunity at various occasions to inform about the aims and the progress of the project and to disseminate the results and outcomes.

HURBE website (<https://hurbe-project.eu/>) will be the main dissemination channel of the project, to where the audience will be pulled with interesting information and where project specific information will be presented. The website will be maintained and regularly updated by P6 and will be used to inform about the project activities and progress and will provide the links to relevant tools. HURBE website will be free for access to all interested bodies.

HURBE website has a clear structure including the following pages:

- Home – Project at a glance, latest news, latest events and footer with impressum
- About – project overview, including Specific Objectives, Work Packages, Work Packages



Healthy URBan Environment Developing Higher Education
in Architecture and Construction in Bosnia and
Herzegovina
CBHE Project ref. 598503

Aims, Work Packages and Tasks and Activities.

- Partners – brief information about participating partner universities, project team, and associated partners
- Events – chronologically ordered project events, with text description and illustrated with images or image galleries
- News – chronologically ordered project news, with text description and illustrated with images or image galleries
- Conference – all information related to the final project conference: call for papers, deadlines, topics, instructions for authors, link to conference management portal (EasyChair), Conference Proceedings
- Project results –an archive of documents developed under HURBE Project, with clear instructions on copyright and IP.
- MOOC – introduction and description of the MOOC developed under the project, with links to video materials and Moodle online course management system.
- Intranet – closed part of the site intended for internal communication between the project partners. This part of the website is password-protected.
- Contact – contact information with various communication channels (e-mail, telephone, contact form, postal addresses, map).

Description with the main information about the project, including a link to HURBE website, will be provided on the homepage of every partner university to reach all interested stakeholders.

Social media account plays a promotional role for the project and improves visibility to a wide range of audience. We will set up a Facebook account to allow for conversations and sharing. HURBE page on Facebook with relevant logo will refer to EU financial support and links to the main HURBE website.

Conferences, workshops and events on thematic areas relevant to the project will be carefully tracked down by each HURBE partner and upon availability the consortium will prepare reports and presentations to be made to them. Performing HURBE related presentations in various events is a task that might be carried out by each partner.



Dissemination materials

- HURBE logo:



HURBE project Logo has been unanimously approved during the first Kick-off Meeting and officially adopted by all the consortium partners. The HURBE Logo must be used in all the related communication of the project.

- EU logo and disclaimer:



The European logo will be presented together with the Project one in all the documents, presentations and dissemination materials prepared during the project lifetime.

This disclaimer has to be put at all published electronic materials, produced in the framework of the project: *This project has been funded with support from the European Commission. This publication / communication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*

- Leaflets, Flyers and Posters

HURBE dissemination materials will be distributed in specific dissemination events in the European Higher Education Area and mainly through the networks of the consortium universities. The produced leaflets will be distributed to the partners for dissemination through their various channels. The leaflets will promote the website as the main source of information. The Posters are hanged in the partner universities, to inform the students and the general public about the HURBE project, its progress and activities which are carried out in the frame of the project and thanks to the EU funding. The Flyer was created as a specific tool for the external dissemination, to promote HURBE activities during national and international events. Different target groups will be reached in different events such as international relation officers, masterclasses and workshops, national agencies meetings, student conferences and championships, information events, international forums, etc. Different advertising materials will be printed and distributed (T-shirts, notebooks, pencils, bags) with project logo and EU funding mark.



Sustainability of the results after the end of the HURBE project

Sustainability is another important aspect of successful implementation of the project. Sustainability is the capacity of the project to continue and use its results beyond the end of the funding period. HURBE will maintain its activities, services and benefits during its projected lifetime and after the project follow up. In order to assure the long-term perspective of the project outcomes a strategy to support sustainability was worked out to be maintained after the end of EU funding. The activity of achieving the sustainability will be discussed during every coordination meeting and implemented by all partner universities. The consortium will analyze the strategy and adapt it due to the level of implemented activities and new initiatives caused by the project.

HURBE sustainability strategy defines the percentage of project-initiated dissemination activities and services that will be delivered and maintained after five years of implementation of the project by each partner university:

- presentation of HURBE project at national conferences;
- participation in various international conferences;
- online webinars;
- implementation of the joint scientific conferences;
- workshops and roundtables;
- implementation of the regular students and researches exchange;
- continuation of local actions stimulated by the project;
- expanding the established network of the laboratories;
- implementing the open access policy developed and adopted at the laboratory level;
- generation of successor services and initiatives as a result of project initiatives.

To ensure sustainability the following factors are included in the strategy: the project fully meets academic, professional and social needs of target countries; active participation of all target groups (teachers/professionals/students/managers) is guaranteed; high degree of inter-institutional cooperation; intensive involvement of the non-university partners in the project implementation.

The core indicators of sustainability of HURBE will be the extent and degree to which the delivery of activities and its impact on target groups that continue to receive the benefits from project activities.

Outcomes of the project that will support stability of the project: developed, implemented and accredited new courses on HURBE; created MOOC learning environment inclusively developed teaching/learning materials, established HURBE network of laboratories;



Healthy URBan Environment Developing Higher Education
in Architecture and Construction in Bosnia and
Herzegovina
CBHE Project ref. 598503

implemented innovative teaching methods; HURBE Joint Agreement.

HURBE website will be active and updated continuously after the end of the project for the further 2 years.

By the end of the project, each partner university will establish a business model for further funding and maintenance of the laboratory equipment after the end of the project. The developed training modules will be integrated in the daily educational and training activities of the partner universities within the established network. The representatives of the non-university partner organizations will be involved in the information events and conferences more often and will comprehensively support the project by promoting its vision both within and outside their institutions.

To enhance sustainability and impact the project aims at developing MOOC training modules for students and other external users for further dissemination, sustainability and commercialization of the project results after the project end.

After establishing the HURBE network, the Joint Agreement valid for 5 years after the end of the project will be signed. HURBE Joint Agreement assures project outcomes sustainability by providing links among PCs HEIs and stakeholders and commercialization of project's results.

We expect that the HURBE project will have a significant impact on the educational policy level by demonstrating how HEIs can play a larger role in protecting the urban environment and human health.

Disclaimer

This document represents the document plan version 2.

It is subject to modification and update in function of the project development.