

- Visegrad Fund

Anticipated outcomes and outputs of InStep Project[©]/ Organization of project works



INSTEP CONSORTIUM

Slovak University of Technology in
Bratislava - Faculty of Civil Engineering

Brno University of Technology - Faculty of
Civil Engineering / Czech Republic

Budapest University of Technology and
Economics - Faculty of Mechanical
Engineering / Hungary

Wroclaw University of Science and
Technology - Faculty of Architecture / Poland

SHEI "Prydniprovskya State Academy of
Civil Engineering and Architecture /Ukraine

Town of Malacky / Slovakia

Bratislava - Capital of the Slovak Republic

INSTEP PLANNING

10-12 of September 2018

Large-scale international multidisciplinary
cross sector training (STU, Bratislava)

25 November 2018

WEBINAR Influence of social factors in
sustainable district renovation

15-17 of May 2019

International InStep school

INSTEP CASE STUDY

OBCHODNA street, Bratislava, Slovakia

It is foreseen the development of the strategic
plan for effective revitalization of the street
according to the modern requirements of the
owners and local habitants and the demands of
sustainable development principles.

MALACKY, Slovakia

The profound analysis and design of complex
proposition of renovation is considered as the
subject of the study. As the focus building the
mother care center and the area around are
defined.

For the both projects, the priorities are the
following: innovation, social orientation, energy-
efficiency, sustainable development.



orted by

7. InStep Educational Package (Product)

6. International school InStep (Event–Public), Bratislava, SK

5. Project sketch album "Revitalization of urban districts" (Product)

4. Strategy. Recommendations. "Road-map for social adapted sustainable district revitalization" (Product)

3. Webinar. "Influence of social factor in successful implementation of innovations in sustainable district renovation" (Event–Private), Bratislava, SK

2. Large-scale international multidisciplinary cross sector training (Event–Public), Bratislava, SK

1. Methodological materials "Inhabitants/investors-Authorities-Architects/Engineers complex cooperation" (Product)

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01/06/2018–01/09/2018

Methodological materials for workshops directed to joint habitants/investors, authorities, architects, engineers in the field of projects development for district revitalization.

Methodological materials for workshops will be disseminated among habitants/investors, authorities, architects, engineers in the field of projects development for district revitalization by national nets of partners and during Large-scale international multidisciplinary cross sector training. The internet version of materials will be available in wider public in the web-sites of all partners.

Role of the applicant and project partners

The applicant will coordinate the preparation of materials, each partner will provide relevant information according to its specialization and national reality. The end-user orientated design will be proposed to provide information in understandable way for wide public form.

Materials to provide: around 15 pages analysis of inside country situation – regulations and programs in sustainable regional development in context of urban districts revitalization, real tendencies in this field, feedback about the active courses in sustainable development for engineers and architects in partners` universities.

2. Large-scale international multidisciplinary cross sector training (Event–Public), Bratislava, SK

10/09/2018–12/09/2018

First Workshop - training "**Innovation sustainable practice - close, affordable, profitable**". The event is aimed to joint habitants, authorities, engineers and architects working for the sustainable renovation. This big meeting will satisfy the needs of each of participants professional group and will improve their interaction. The social orientation is a key point of this event. It is planned to collect the initial data for further work under the environmental issues in terms of the energy efficiency.

The event will be announced three month ahead. The information about the result of work in the training will be disseminated in information portals of partners as well in the wide public editions. The representatives from local mass media will be invited.

Role of the applicant and project partners

The applicant will assist in announcement of event and will be the main organizer as STU will host Workshop - training "Innovation sustainable practice - close, affordable, profitable.

The requirements from participant universities: 2 professors and 5 students from each university are expecting to take part in the training. On the base of prepared on the previous stage materials the presentations should be done by professors to give the nation initial data for further projects development. The 20 pages reports of site visiting in Bratislava and in Malacky are to develop by each university team with grounding of the selection of case study for students` projects.

3 Webinar. "Influence of social factor in successful implementation of innovations in sustainable district renovation" (Event–Private), Bratislava, SK

25/11/2018

The event will help to exchange the results of complex analysis of studied social influence and get recommendation to further development of projects for study cases.

It is planned open on-line lecture of prof. Dukat (STU) during the webinar.

The results will be disseminated in the partners organizations at the regional and national level thought active promotion of the project in the thematic events of partners` external personal nets. The social web sources will be actively involved in the dissemination process.

Role of the applicant and project partners

Applicant will act as the coordinator, but approximately the equal roles will have all partners to provide the mythological content of event, technical support including recording of the webinar for later dissemination on the national level.

Requirements from partners` universities: the responsible from each university should provide IT support of webinar proceeding (equipment in the place), professors coordinating the students` work on the places should participate in the event, the mid-term first feedback about the projects realization should be provided in the oral form with possible some first drawing demonstrations

4 Strategy. Recommendations. "Road-map for social adapted sustainable district revitalization" (Product)

13/09/2018–30/12/2018

Report in the form of **recommendations for professionals** and end-users in implementation of social adapted strategy of district sustainable revitalization.

The document will be disseminated among local authorities offices and active representatives of habitants of town / city districts from partner municipalities (districts). The e-version of product will be available on-line, information about it will be disseminated in the thematic portals, pages in social nets.

Role of the applicant and project partners

Each relevant partner will adapt the product to local regional conditions and translate main stages in national language.

Materials from partners: 20 pages proposition from each university about heritage urban districts revitalization taking into account national background and based on the materials developed during the previous stages of the project. Text part of students works.

5 Project sketch album "Revitalization of urban districts" (Product)

18/03/2019–15/05/2019

The album will present the results of case studies based on developed revitalization projects. After dissemination, the album will be used as reference material for other similar projects and is considered to contain the draft projects for Obchodna street in Bratislava, selected district in Malacky (to be chosen, yet) and Jagodno (suburb of Wroclaw) real-life revitalization.

The album will be presented and available after easy registration in the web source with the InStep materials. The information about the product and its printed version will be distributed during all the thematic events of partners outside the project.

Role of the applicant and project partners

Applicant will coordinate the work and organize the accordance to the inside project standard of the sustainability of engineering. All the partners of consortium will work with the students by the appropriate directions of album development - urban planning, architecture, structures, building physics, materials, ecological and social aspects.

Materials from partners: 3 albums of detailed and sketch drawing from each university about heritage urban districts revitalization Visual (graphic) part of students works.

6 International school InStep (Event–Public), Bratislava, SK

15/05/2019–17/05/2019

The students will present the results of developed revitalization projects in front of large audience with the presence of local inhabitants and authorities. Elevated levels of expertise in the field of sustainable development, cultural heritage, the history of districts revitalization, use of RES and special international support programs. The achieved knowledge will help to raise the competitiveness of the participants in the labor market as multidisciplinary trained workers. The acquiring of new practical skills in communication, presentation, evaluation of the sustainability of urban areas improves the adaptively of the participants from different social environments. Networking extensions will permit the participants to wider and diversify their contact lists by foreign colleagues and representatives of urban areas. Students will have the opportunity to complete their designs in the framework of the project.

Role of the applicant and project partners

Applicant will act as the coordinator and organizer of meeting, STU is supposed to be a host for InStep school. The partners will present the results of work with students, present their achievements in "greening" the curriculum at the institution level, will assist in organization of workshops and, in general, actively participate in the school.

Required input of partners: presentation of 3 best students master work of each university, filled **questionnaire** by all participants of the project from partners` universities, **frame agreement** signing between partners to integrate the projects` outcomes as studying materials for engineers and architects education.

7 InStep Educational Package (Product)

18/05/2019–05/09/2019

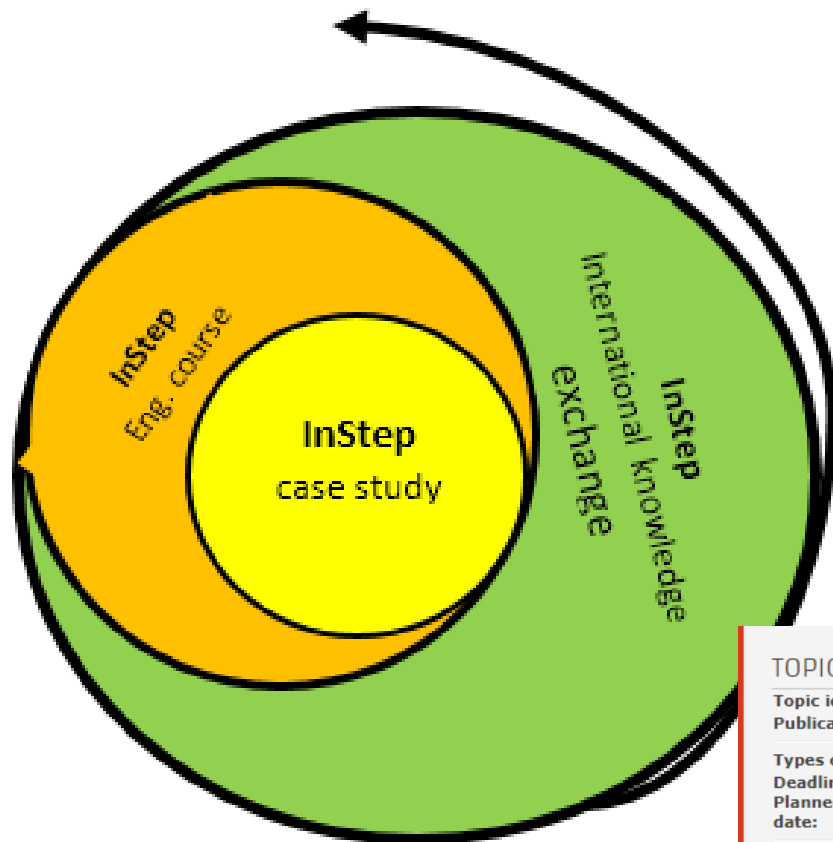
Modules development for "greening" the curriculum for civil engineering. InStep modules aim to incorporate the concept of sustainable urban development into the units of learning outcomes and curricula of universities and educational institutions across disciplines as an inter-disciplinary topic. Modernization of curricula is a continuous process, but now higher education is faced the big challenge of integration the sustainable development conception aspects in each discipline to provide the effective preparation of modern specialists, which should take into account not only technical but, as well, social aspects during project design.

Role of the applicant and project partners

Each partner will provide the content of his particular InStep module assigned to him on the basis of his specialization in the context of urban development and according to the standards of sustainable development. Applicant will summarize the content and coordinate the work within the InStep educational package as well as its integration.

Input of the partners: 10 pages report with graphics of possible integration of InStep in curriculum of the partners institutions.

Schema post-project interaction of partners.



TOPIC : Research and Innovation Staff Exchange

Topic identifier: MSCA-RISE-2019

Publication date: 27 October 2017

Types of action: MSCA-RISE RISE

DeadlineModel: single-stage

Planned opening date: 04 December 2018

Deadline: 02 April 2019 17:00:00

Time Zone : (Brussels time)

TOPIC : Innovative Training Networks

Topic identifier: MSCA-ITN-2019

Publication date: 27 October 2017

Types of action: MSCA-ITN-ETN European Training Networks
MSCA-ITN-EJD European Joint Doctorates
MSCA-ITN-EID European Industrial Doctorates

DeadlineModel: single-stage

Planned opening date: 13 September 2018

Deadline: 15 January 2019 17:00:00

Time Zone : (Brussels time)

MISSION

The global aim of the InStep project is to improve the education of future planners in the field of nearly zero energy buildings and use of the RES based energy efficient systems at the level of settlements, increasing their communication capacities and responsiveness to the demands of citizens as well as the ability to democratically promote solutions for the preservation and improving the quality of the environment.

We don't just build houses, we create engineers, engineers create the world that never was



**InStep to the
future –
conserving
heritage and
cultivation of
innovations**

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