



INNOVATIVE EDUCATIONAL INTEGRATION OF URBAN
PLANNING BASED ON BIM-GIS TECHNOLOGIES AND
FOCUSED ON CIRCULAR ECONOMY CHALLENGES

2018-1-RO01-KA203-049458

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Erasmus+ Programme
of the European Union



TASK 01/A1. BUILDING THE ONLINE EDUCATIONAL COLLABORATIVE PLATFORM

Task 01/A1

BUILDING THE UrbanBIM ONLINE EDUCATIONAL COLLABORATIVE PLATFORM (OECP)

*INNOVATIVE EDUCATIONAL INTEGRATION OF
URBAN PLANNING ON BIM-GIS TECHNOLOGIES
AND FOCUSED ON CIRCULAR ECONOMY*



Erasmus+

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Transilvania
din Braşov



ROMANIA
GREEN
BUILDING
COUNCIL



Centro Tecnológico
del mármol, piedra y materiales



Warsaw University
of Technology



Consortium members: Universitatea Transilvania din Braşov (UTBV), Asociația Romania Green Building Council (RoGBC), Universidad de Sevilla (USE), Asociación Empresarial de Investigación Centro Tecnológico del Mármol, Piedra y Materiales (CTM), Politechnika Warszawska (WUT), Datacomp sp. z o.o. (Datacomp).



1. Introduction

During the first phase of the project, it focused on the creation of a collaboration platform based on previous Erasmus+ projects related to ecological challenges and BIM related to urban development planning, the objectives aimed at are:

- Establish synergies with these previous experiences.
- Make use of the training materials, curriculum and reports that have been carried out.
- Enhance the impact of these previous Erasmus+ projects.

All the collection developed has been compiled in the following report, where you can find projects related to the topics of the project and they are more easily accessible for the user and it is enhanced with the development of this report both the dissemination and the scope of the projects funded by the European Commission.

2. Collaborative Platform

1. BIM4PLACEMENT European key competences in building and construction

Start: 01-11-2016 - End: 30-11-2018
Project Reference: 2016-1-IT01-KA202-005399
EU Grant: 245284.73 EUR
Website: <http://www.bim4placement.eu>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training

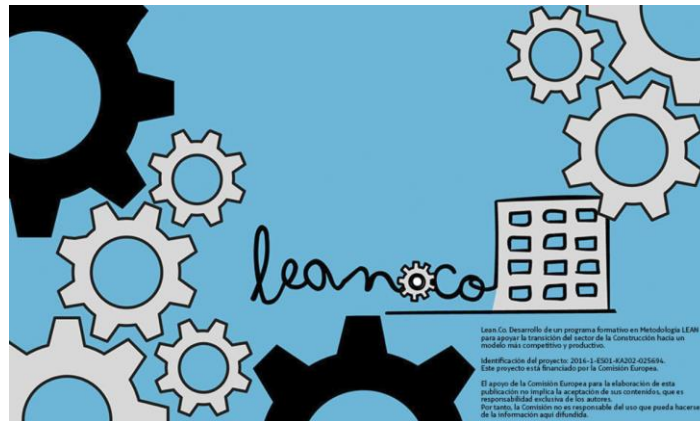




2. Continuing V.E.T. Training Programme in Lean Construction to support the transition of the Construction Sector towards a more competitive and productive model.

Start: 01-10-2016 - End: 30-09-2018
Project Reference: 2016-1-ES01-KA202-025694
EU Grant: 154142 EUR
Website: <http://microsites.fundacionlaboral.org/leanco>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training



3. Standardized Vocational Education and Training for BIM in EU

Start: 01-09-2015 - End: 28-02-2018
Project Reference: 2015-1-LU01-KA202-001353
EU Grant: 201289.25 EUR
Website: <http://www.bim4vet.eu>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training





4. Educational Lab - Big Machine

Start: 01-09-2016 - End: 31-08-2019
Project Reference: 2016-1-PT01-KA201-022986
EU Grant: 158010 EUR
Website: <https://paginas.fe.up.pt/~elbigmac/project/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for school education



5. Housing as a strategy for the promotion of health from an intersectoral and multidisciplinary approach

Start: 01-10-2019 - End: 30-09-2021
Project Reference: 2019-1-ES01-KA203-065060
EU Grant: 271025 EUR
Provisional website: <https://bimhealthy.eu/project/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education.





6. TRANStoWORK – Work based Learning in Architecture, Engineering and Construction (AEC) Industry: the transition of young people to Work

Start: 21-11-2017 - End: 20-11-2019

Project Reference: 2017-1-IT01-KA202-006112

EU Grant: 289507.43 EUR

Website: <http://transtowork.com>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for vocational education and training



7. Towards BIM Bio-based Buildings

Start: 01-09-2017 - End: 31-08-2020

Project Reference: 2017-1-FR01-KA202-037397

EU Grant: 170010 EUR

Provisional web: <https://greta-franche-comte.fr/tob3/>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for vocational education and training





8. Higher Education Programme on Building Information Modelling towards the development of Smart Environments for Seniors

Start: 01-09-2018 - End: 31-08-2021
Project Reference: 2018-1-DE01-KA203-004292
EU Grant: 440375 EUR
Website: <http://essense-project.eu>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education

essense

9. Innovation in Construction Sites

Start: 01-12-2019 - End: 30-11-2021
Project Reference: 2019-1-IT01-KA202-007445
EU Grant: 242776 EUR
Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training

10. Plateforme collaborative de formation au BIM (Building Information Modeling)

Start: 01-09-2016 - End: 31-08-2019
Project Reference: 2016-1-FR01-KA202-024266
EU Grant: 399630.5 EUR
Website: <http://bimgame.eu>
Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training.

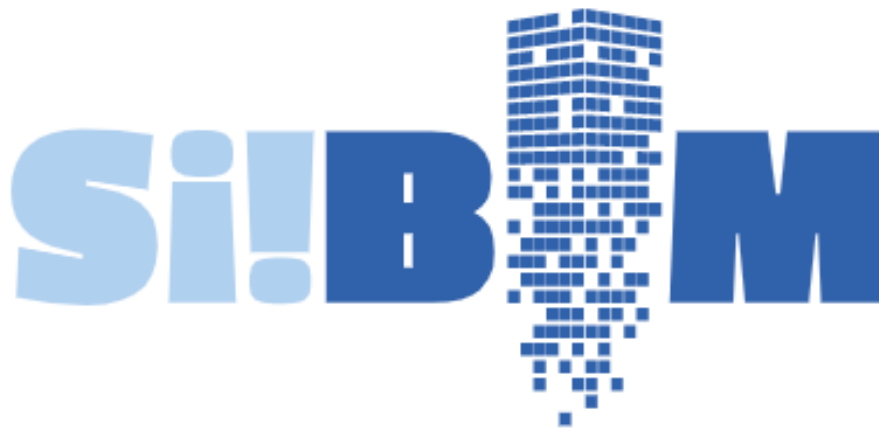




11. Step into BIM - Digitising VET

Start: 01-10-2019 - End: 30-09-2021
Project Reference: 2019-1-UK01-KA202-061938
EU Grant: 175670 EUR
Website: <https://www.sibim.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training



12. DIAGNOSIS Innovating a crucial profession in building and construction sector

Start: 01-11-2017 - End: 31-10-2019
Project Reference: 2017-1-ES01-KA203-038254
EU Grant: 239275 EUR
Website: <http://www.erasmus-diagnosis.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education



13. Re-use of modernist buildings - Design tools for sustainable transformations.

Start: 01-09-2016 - End: 31-08-2019

Project Reference: 2016-1-DE01-KA203-002900

EU Grant: 410595 EUR

Website: <http://www.rmb-eu.com>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for higher education



14. Development of Virtual Learning Environments in Technical Higher Education

Start: 01-10-2018 - End: 30-09-2020

Project Reference: 2018-1-EE01-KA203-047108

EU Grant: 119545 EUR

Website: <https://sites.google.com/tktk.ee/virtec/virtec>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for higher education





15. IMPROVE TECHNIFICATION AND LCA QUALIFICATION OF WORKERS IN CERAMIC SECTOR WITH THE SUPPORT OF BIM APPLICATIONS

Start: 01-09-2017 - End: 31-12-2019
Project Reference: 2017-1-PT01-KA202-035955
EU Grant: 174645 EUR
Website: <http://www.bimclay.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training



16. Smart Rehabilitation 3.0. Innovating professional skills for existing building sector

Start: 01-11-2019 - End: 30-04-2022
Project Reference: 2019-1-ES01-KA203-065657
EU Grant: 217138 EUR
Provisional website: <https://en.ktu.edu/projects/smart-rehabilitation-3-0-innovating-professional-skills-for-existing-building-sector-rehabimed/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education

SMART REHABILITATION 3.0



17. New MINDSET for high-quality European BAUKULTUR: bridging DIGITAL and CRAFT

Start: 01-09-2019 - End: 31-08-2022
Project Reference: 2019-1-DE01-KA203-005059
EU Grant: 449605 EUR
Website: <https://www.builddigicraft.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education



18. BIM LEARNING APPLICATION FOCUSED ON LCA QUALIFICATION AND TECHNIFICATION OF WORKERS IN NATURAL STONE SECTOR

Start: 01-09-2018 - End: 31-08-2020
Project Reference: 2018-1-DE02-KA202-005146
EU Grant: 224480 EUR
Website: <http://www.bimstoneproject.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training



19. EDUCATIONAL PLATFORM FOCUSED ON ADVANCED STRATEGIES OF REINSTATEMENT OF BUILDING MATERIALS IN THE INDUSTRIAL VALUE CHAIN TO PROMOTE THE TRANSITION TO THE CIRCULAR ECONOMY THROUGH THE USE OF BIM LEARNING TECHNOLOGIES

Start: 01-09-2019 - End: 31-08-2021

Project Reference: 2019-1-ES01-KA203-065962

EU Grant: 224240 EUR

Website: NO TODAVIA

Provisional website: <https://circularbim.eu/en/project/>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for higher education



20. Network for future innovation of major competences in vocational education and training in construction

Start: 01-09-2017 - End: 29-02-2020

Project Reference: 2017-1-DE02-KA202-004118

EU Grant: 103685 EUR

Website: <http://ecotrainers.eu>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for vocational education and training





21. Education for Zero Energy Buildings using Building Modelling Information

Start: 01-11-2018 - End: 31-10-2021

Project Reference: 600946-EPP-1-2018-1-IE-EPPKA2-KA

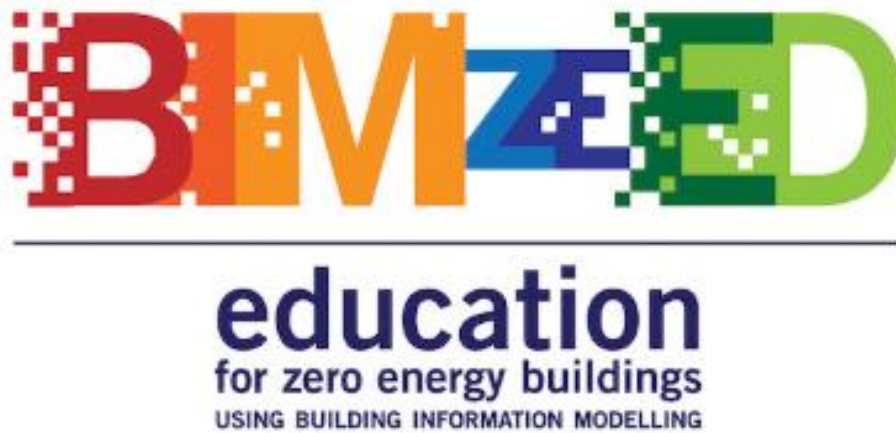
EU Grant: 955633 EUR

Website: <http://bimzeed.eu/>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Knowledge Alliances for higher education



22. Fit for BIM - Kompetenzen zum digitalen Bauen in der Berufs- und Hochschulbildung

Start: 01-09-2017 - End: 29-02-2020

Project Reference: 2017-1-DE02-KA202-004205

EU Grant: 319741 EUR

Website: <http://fit4bim.eu/en/203/>

Programme: Erasmus+

Key Action: Cooperation for innovation and the exchange of good practices

Action Type: Strategic Partnerships for vocational education and training





23. Digitalization in construction, Computer-based design for structural elements - Analyses and Validation of compliance to EuroCodes

Start: 01-09-2018 - End: 31-08-2021
Project Reference: 2018-1-LU01-KA203-037313
EU Grant: 416565 EUR

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for higher education

24. Training in Geographic Information Systems Applications

Start: 01-10-2018 - End: 30-09-2019
Project Reference: 2018-1-EL01-KA102-047181
EU Grant: 77556 EUR
Website: <http://www.1epal-chalk.eyv.sch.gr>

Programme: Erasmus+
Key Action: Learning Mobility of Individuals
Action Type: VET learner and staff mobility

25. Work process oriented, interactively enhanced and APP supported learning and training in construction VET in Europe

Start: 01-10-2016 - End: 30-09-2018
Project Reference: 2016-1-DE02-KA202-003258
EU Grant: 263388.25 EUR
Website: <http://sites.google.com/site/winappcpd/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training





26. Common Learning Outcomes for European Managers in Construction, part IV

Start: 01-11-2015 - End: 30-11-2017
Project Reference: 2015-1-PL01-KA202-016454
EU Grant: 262456.67 EUR
Website: <http://www.cloemciv.il.pw.edu.pl/?lang=en>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training

CLOEMC IV

27. Master of Science course in Geo-Information Science and Earth Observation for Environmental Modelling and Management

Start: 01/09/2011
Project Reference: 2011-0155
Website: <https://www.gem-msc.eu/>

28. Energy Links and Integration Tools for Efficiency

Start: 01-09-2016 - End: 31-08-2018
Project Reference: 2016-1-FR01-KA202-024026
EU Grant: 257276.05 EUR
Website: <http://www.associazionetelearning.it/course/index.php?categoryid=3>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training





29. Applicable Representation of City Centres with Heritage Importance

Start: 31-12-2015 - End: 30-08-2018
Project Reference: 2015-1-UK01-KA202-013806
EU Grant: 358873 EUR
Website: <http://urbantimemaps.com/pl/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for vocational education and training



Urban Timemaps

30. Spread of Innovative Solution for Sustainable Construction

Start: 01-10-2019 - End: 30-09-2021
Project Reference: 2019-1-HU01-KA204-061230
EU Grant: 297768 EUR
Website: <http://howtobuildgreen.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for adult education and training.





31. Knowledge transfer of the sustainable rehabilitation of the built environment in continuing education

Start: 01-09-2018- End: 31-08-2021
Project Reference: 2018-1-RO01-KA203-049214
EU Grant: 388456 EUR
Website: <http://howtobuildgreen.eu/>

Programme: Erasmus+
Key Action: Cooperation for innovation and the exchange of good practices
Action Type: Strategic Partnerships for adult education and training.

