

Database of Good Practice Policies and Initiatives

Country	Ireland
Level of Outreach	National
Supported by	EU Erasmus+
Field of Interest(s)	Energy Efficiency; Digitalization; Circular Economy; Promotion of the attractiveness of the Construction Industry; Facilitation of the mobility in Europe; Training Development
Organisation	
Name of organisation	Limerick Institute of Technology (LIT)
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Policy/Initiative Data	
Title of Initiative	BIMzeED - Education for Zero Energy Buildings using Building Information Modelling
Partnership details	Ireland - Limerick Institute of Technology, Tipperary Energy Agency, Croatia – University Zagreb, REGEA Hungary -Obuda University, EMI Spain - ITeC, CIM-UPC EU - European Architects
Project Duration	01.11.2018 to 31.10.2021
Total Budget	€ 955,600
Description	BIMzeED project -collaboration of industry, higher education institute HEI and vocational educational training VET organisations in updating and developing learning units for trainers and workers to upskill in BIM and NZEB in the construction industry. BIMzeED develops and pilots 12-16 innovative Learning Units (LUs) especially focused on Nearly Zero Energy Buildings and Building Information Modelling/digitalisation, demonstrating how BIM can assist with achieving cost effective NZEB construction. http://bimzeed.eu/
Phases	N/A

Project Details	
Aim	The BIMzeED project focuses on the training needs for the current and future construction industry with the main purpose to encourage 1) better employability 2) low-carbon growth, 3) green and NZEB skills 4) increase in youth employment. The challenge of the BIMzeED project is to overcome skills mismatching and improve employability in the current European construction market by improving and extending the existing skills of Trainers, SMEs, site managers, craftworkers and other experienced operatives.
Target groups	Professionals, lecturers, trainers, students, construction industry, construction workers, craft workers, building owners, local authorities, public policy makers.
Exchange of Experiences	Collaborative approach with other educational organisations (Higher and Vocational), exchanging information of training materials and piloting the learning units within existing programmes or provided as stand alone modules with credits.
Outcomes 1	The Need - Identify the knowledge and skills gap in BIM and nZEB within the HEI and construction sector at National levels in Ireland, Croatia, Hungary and Spain.
Outcomes 2	The Resources - Update the knowledge and skills of Educators and Trainers to inform quality up-to-date trainings and upskill the construction SMEs, their workers and future students in the understanding of BIM and nZEB to provide cost effective, quality sustainable construction
Outcomes 3	The Catalyst - Stimulate development of new training and education programmes/modules in the fields of BIM/nZEB which can be integrated into existing HEI programme deliveries using methods suitable for the target group.
Outcomes 4	The Sustainability - Transfer knowledge of BIM and nZEB to and from other countries providing mutually recognised trainings across Europe enabling ease of mobility of the workforce.
Outcomes 5	The Capacity Building - Strengthen links between lecturers, industry and SMEs with innovative technologies and developing training on open resource trainings. Strengthen employability in teaching and SMEs in the construction sector.
Policy/Initiative	
Skill gaps	Developing a training needs and skills gaps roadmap, before piloting 12-16 relevant Learning Units LUs with 400-500 construction students, site managers, craft workers and other experienced operatives, therefore improving their employability.
Mis-matching of skills	Overcome skills mismatching and improve employability in the current European construction market by improving and extending the existing skills of Trainers, SMEs, site managers, craftworkers and other experienced operatives.
Skills-Shortages	Transfer knowledge of BIM and nZEB to and from other countries providing mutually recognised trainings across Europe enabling ease of mobility of the workforce and therefore reducing skills shortages in certain countries.
Training	Increase capacity of the HEI and VET sectors to develop and implement new education and training programmes in the field of BIM and nZEB, which are responsive to the ever changing sector
Career moves	Better training opportunities for students and SMEs with consequential gradual transfer of new skills in the construction market. Improvement of capacity building of the construction sector in increasing the human capital basis of its workforce
Mobility	Better collaborative opportunities for HEIs and VETs to establish mutually recognised LUs and programmes across Europe, enabling the mobility of a mutually recognised skilled workforce
Other EQF-Level	"Ready to use" Learning Units on nZEB and BIM compatible with HEIs / VET programmes, plus creation of two toolkits to enable adaptation onsite.
Transfer in Europe	LUs to be rolled out across EU as standalone training information, grouped together as new accredited modules or added to existing EQF programmes.
Entrepreneurship Opportunities	N/A
Other	General improvement of the construction sector image with increased attractiveness and competitiveness. Working with other EU funded projects and initiatives.