Expected results

The usage of BIM Qualification Models to overcome the gap of energy performance competences in existing building professions. Each BIM Qualification Model will be composed of a BIM Training Scheme and a BIM Qualification and/or Certification Scheme.

Net-UBIEP Project will increase energy performance related competences of at least six professional profiles: BIM evaluator, BIM facility manager, BIM manager, BIM coordinator, BIM expert, BIM user.

Through project implementation, about 1000 BIM evaluators and BIM facility managers will improve their energy performance competences; 1000 BIM Managers, BIM Coordinators and BIM Experts will be able to implement BIM in achieving the energy performance requirements; 1100 BIM Users will know how to read BIM models which include energy requirements.

Net-UBIEP lasts 30 months and is going to finish on the 2nd of February 2020

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Partners of the project

ENEA — Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile

GRUPPO CS consulenza&formazione

ÚVS — Ústav vzdelávania a služieb — Institute of Education and Services

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Skaitmeninė Statyba

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CSIC — Consejo Superior de Investigaciones Científicas

BALANCE RESULT ORGANISATIE ADVISEURS

TALLINNA TEHNIKAÜLIKOOL — TALLINN UNIVERSITY OF TECHNOLOGY

ISSO KENNISINSTITUUT VOOR INSTALLATIETECHNIEK

EESTI TIMMITUD EHITUSE TUGIRÜHM — ETET

NET UBIEP

Network for Using BIM to Increase the Energy Performance

www.net-ubiep.eu

Net-UBIEP aims at increasing the energy performance of buildings by stimulating and increasing the use of BIM during the life cycle of a building. The use of BIM will allow for simulating the energy performance of buildings using different materials and components. BIM, which stands for Building Information Modeling, is a process that lasts for all the building life cycle from the design phase throughout the construction, management, maintenance, refurbishment and eventually the demolishment of a building.

In order to decrease the environmental impact of a building it is very important to take all energy aspects into account.

Why net-UBIEP

To achieve NET-UBIEP's main objective, it is important that, throughout the building life cycle, all professionals and technicians which participate in any way are aware of their role of collecting, managing and storing all required information. Each technician, public officer, designer, contractor, site and supervision engineer, facility manager, supplier, etc, should understand which information they manage could potentially be used by any other actor. All the information should be available long after the moment of the process which generated it. Therefore it is important that all the different actors use the same language, dictionaries and data structures.

The net-UBIEP project aims on reaching and stimulating all actors to implement BIM in order to realise increases in energy performance of buildings.

Main activities

In the beginning partners will identify professional profiles involved in the NZEB building sector and will define specific BIM related competences. This inventory leads to insights for finding competence gaps in the existing BIM Professional Profiles.
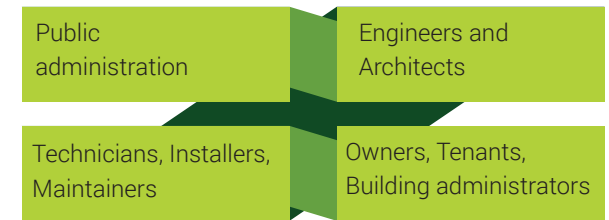
Target groups

Four target groups have already been selected according to their role in current building processes, namely Public Administrations, Professionals (Engineers/Architects), Technicians (Installers/Maintainers), Tenants/Owners/Building Administrator.

The partners will define a three dimensional matrix for the identification of competences required for each target group to ensure the highest increase in energy performance using BIM in each phase of the building life cycle.
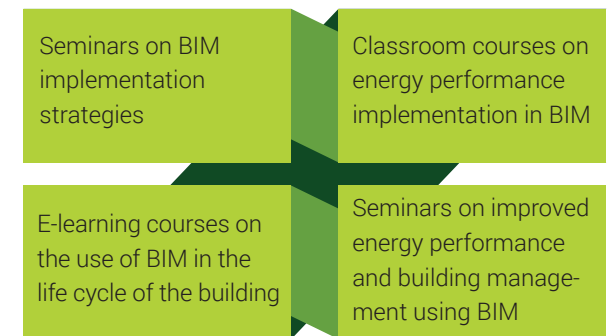
BIM Training schemes will be elaborated and validated with representatives of the different target groups in each of the seven participating countries.

The partners will standardize the schemes for BIM Qualification Models through the CEN/BT/WG 215 "Building Information Modelling (BIM)", which works in close relationship with ISO/TC 59/SC 13 – Organization of information about construction works, for the recognition of the BIM Professional Profiles at international level.

Target Groups

Public administration	Engineers and Architects
Technicians, Installers, Maintainers	Owners, Tenants, Building administrators

BIM Qualification Models on energy performance

Seminars on BIM implementation strategies	Classroom courses on energy performance implementation in BIM
E-learning courses on the use of BIM in the life cycle of the building	Seminars on improved energy performance and building management using BIM

Professional figures involved

BIM evaluator	BIM manager BIM coordinator BIM expert
BIM user	BIM user BIM facility manager