
March 2023

BUILD UP

Newsletter



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Overview articles

MARCH TOPIC OF THE MONTH: The digitalisation of the building sector

Every month, BUILD UP highlights publications that cover a specific topic. The topic of the month (ToM) for March is The Digitalisation of the building sector. We are eager to receive your discussion papers, news, and articles. Become a contributor now! In this edition of the newsletter, you will find some of the most relevant contents of February's ToM: "Energy efficiency renovation of historic buildings".

[more](#)



HIBERTool: How to find the suitable Historic Building Energy Retrofit solution for your house

Experts from the IEA SHC Task 59 and the Interreg project, ATLAS, make available a range of more than 130 energy retrofit solutions for historic buildings – via the best practice collection in the HiBERAtlas and the online decision guidance of the HiBERTool.

[more](#)



STRETCH Project: Smart textiles for the retrofitting and monitoring of cultural heritage buildings

The STRETCH project aims to develop a hybrid structural-plus-energy retrofit with structural health monitoring tailored for masonry cultural heritage building envelopes. This article describes the concept, scope and methodology of the project.

[more](#)



BUILDING CONVERSATIONS UP - María López Zambrano: "The building that has no use ends up being lost"

Postdoctoral Researcher at the International Energy Research Centre (IERC) Tyndall/UCC/MaREI, Dr María López Zambrano delves into the most facing challenges of historic building renovation and gives some clues about interesting solutions to be implemented.

[more](#)



BUILDING CONVERSATIONS UP – Julie Kjestrup: “Energy efficient renovation is about meeting climate targets and lowering energy dependence, but also about delivering on social benefits”

President of EuroACE and Vice-Chair of the Renovate Europe Campaign. Head of Policy and Thought Leadership, EU and Global at VELUX, Kjestrup talks about the steps to improve the European building stock and how EU regulations are targeting this specific building typology.



[more](#)

News

Expert Talks – Alexandra Troi

Alexandra Troi, Vice Head of the Institute for Renewable Energy at Eurac Research, speaks about energy efficiency renovation of historic buildings, focusing on the main aspects of historic buildings to consider when starting a renovation project and the innovative materials that are being used in renovation projects on historic buildings, among other topics.



[more](#)

From an historical building to a plus-energy apartment building

The 16th-century Renaissance palace in Valladolid, which is part of the EXCESS project’s demo cases in Spain, is going to be transformed into a plus-energy apartment building. The aim is to make the historical building highly energy efficient and at the same time preserve the beautiful existing facades of the building.



[more](#)

Italian 'terra-cotta' tiles working as solar panels

A small family-owned company near Vicenza (Italy) have produced roofing tiles which hide a unique function; they contain solar photovoltaic cells. The tiles are intentionally made to look like traditional terra-cotta and could easily be installed in heritage cities like Vicenza.



[more](#)

Draft measures to foster renovation rate and decrease energy consumption

The Industry, Research, and Energy Committee has just adopted its position on the proposed revision of the Energy Performance of Buildings Directive (EPBD). Check out the main objectives of this revision.



[more](#)

BUILD UP, partner of the Green Solutions Awards 2023

BUILD UP becomes a partner of the 9th Edition of the Green Solutions Awards 2022-23. This is a competition for sustainable buildings, districts and infrastructures organised by Construction 21, that aims to showcase exemplary achievements from around the world.

[more](#)



A guide for energy renovation of public historic buildings using a BIM methodology and simulation-based approach

The ENI CBC Med BEEP project has developed guidelines for the energy renovation and environmental improvement of public historic buildings through the use of a Heritage Building Information Modelling (HBIM) and a simulation-based approach. These guidelines aim to support public local administrators and professionals of architecture, engineering, and construction to design and implement energy retrofiting of historic buildings.

[more](#)



Progress of buildings' renovation from Renovate Europe

Commissioned by Renovate Europe Campaign to E3G, an independent climate change think tank accelerating the transition to a sustainable world, this study explores the measures undertaken in buildings throughout Member States after the implementation of the National Recovery and Resilience Plan (NRRP).

[more](#)



The renovation of the farmhouse Ritterhof, Germany

The 17th century farmhouse Ritterhof has been renovated by architect Michael Felkner. He has developed a utilisation (and renovation) concept that could be implemented flexibly, step by step. He has used sustainable and ecological materials from the surroundings and implemented solar energy (thermal, photovoltaic, and passive). Check out the rest of retrofit solutions included.



[more](#)

Demonstration site: Application of BIM-speed tools in Berlin, Lichtenrade

This BIM-SPEED project is testing its solutions in 13 real demonstration cases that cover all of Europe's climatic geo-clusters and varying levels of BIM experience across different countries. In the Lichtenrade demonstration site in Berlin, Germany, two BIM-SPEED tools have been implemented and tested.



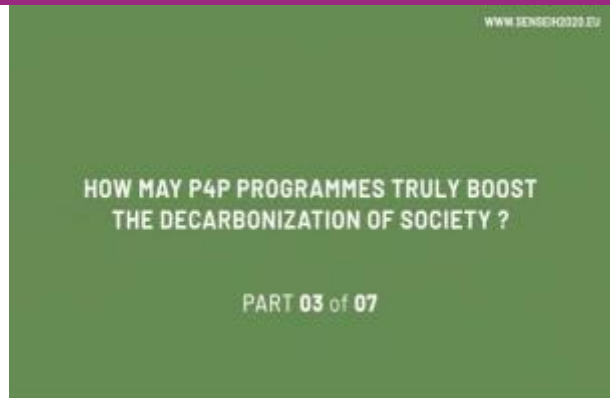
[more](#)

Explore

SENSEI videos: Pay-for- Performance programmes

The SENSEI project has prepared a series of videos to explain the potential and benefits of EU pay-for-performance systems. Check them out in our portal now!

[more](#)



DIGIBUILD project

Existing buildings are at the forefront of energy consumption in Europe and are currently considered energy inefficient. The DIGIBUILD project focuses on creating digital enablers to transform existing buildings into digital and more efficient ones, thus contributing to the creation of energy-efficient building data spaces.



[more](#)

Retrofit HUB project

The project measures focus on facility managers, homeowners and tenants and provides them with awareness and knowledge on energy retrofit. It's part of the European Climate Initiative (EUKI) and fosters the sustainable transformation of the building sector in Croatia, Poland and Hungary.

[more](#)



The new EU Industrial Strategy – ‘High Level Construction Forum’

The European Commission is committed to the creation of a new ‘High Level Construction Forum’ (HLCF). Three clusters (environment, digitalisation, and resilience) have been created, and the aim is to design a roadmap with milestones and concrete actions that will help bring about a green and digital transition for the construction ecosystem.

[more](#)



Learn

TRI-HP – Heat Pump on Natural Refrigerants in the Context of the F-Gas Regulation

The TRI-HP project celebrated on February its final event entitled "Heat Pumps on Natural Refrigerants in the Context of the F-Gas Regulation". In BUILD UP you can check the full session or watch the highlight video with the main voices.

[more](#)



Webinar - Skills enhancement needed for Energy Efficient Historic Buildings

Hosted by BUILD UP, the INCREAS project (Innovation and Creative Solutions for Cultural Heritage) organised a webinar titled "Skills enhancement needed for Energy Efficient Historic Buildings". The event took place the 28th February 2023 at 10.00H CET.

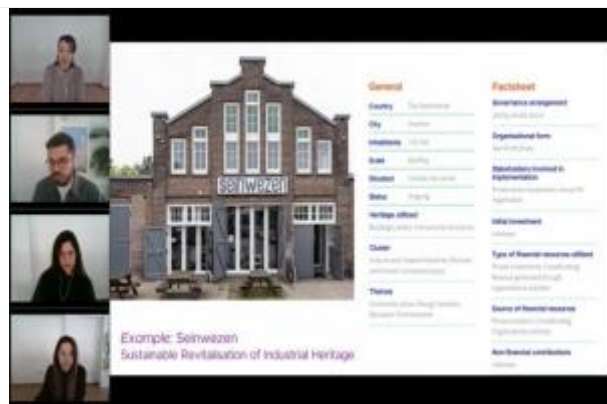
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Webinar – CITIES: BUILDINGS – SKILLS Energy Renovations in Historic Areas at Different Scales

Hosted by BUILD UP and organised by the Cyprus Energy Agency (CEA), this webinar provided an overview of their projects, related to various aspects of energy efficiency of historic urban fabrics.

[more](#)



EU infographics on energy efficiency and savings

The European Commission has produced interactive infographics which present key facts and figures about energy topics. They are available in all EU languages and are interactive with quizzes and external links to various sources.

[more](#)



TerriSTORY tool for energy and ecological transition

The ENERGee WATCH project has developed an online data visualisation and territorial planning tool which allows the user to determine energy transition pathways and thus develop an action plan.

[more](#)



Events

The future of smart buildings in Europe

In the last three years, SmartBuilt4EU has supported the emergence of a smart buildings market in Europe. In addition to promoting exchanges between innovators, the project has coordinated a large stakeholder community in promoting and testing the Smart Readiness Indicator (SRI). The webinar will be focused on presenting the SRIA, the policy recommendations, and the final results of the project.

[more](#)



Learning bites on green and digital skills for the built environment

The ARISE project, in collaboration with Faculté d'Architecture La Cambre Horta ULB and Netwerk Architecten Vlaanderen (NAV), has organised this event to present opportunities for professional upskilling and Continuous Professional Development (CPD) for architects. Learn about NAV architectural training initiatives in Belgium and participate in the ARISE micro-learning pilot module in BIM.

[more](#)



Data-driven innovations for monitoring the performance of buildings

DigiBUILD and MODERATE are two new Horizon Europe projects working on data-driven solutions to turn raw data from buildings into meaningful knowledge, and to improve the interoperability between datasets. BUILD UP hosts the first webinar of these sister projects. Join to find out more about the innovative solutions both projects are working on, with a keynote by CINEA on the topic and join the open discussion on older, big data projects.

[more](#)



Smart Buildings in Europe

SmartBuilt4EU and the European Commission are organising this project final conference, that will present progress in the SRI testing, policy recommendations as well as innovation priorities – based on the 12 White Papers produced by the European Smart Building Innovation Community on Occupant-centric buildings & quality of life, Smart financing & business models, Education and upskilling, etc. The conference will take place on 23rd March from 9:00 to 16:00 at COMET LOUISE, Place Stéphanie 20, 1050 Brussels.

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