

BUILD UP

Newsletter



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In this issue

- Overview articles
- Practices
- Learn
- Social media
- News
- Explore
- Events

Overview articles

Technical Article - Tool for Building Integrated Photovoltaics (BIPV) early design optimisation

Building Integrated Photovoltaics (BIPV) can contribute to the acceleration of the global energy transition by generating electricity from the sun while being a part of the structure of buildings. BIPV modules can substitute roof, façades, and shading components, etc., and designers should be considering them at the early stages of building design. Eurac Research have developed a tool to support architects and other designers optimise BIPV with this task.

[more](#)



Overview - Smart buildings and smart grids

The concepts of smart buildings and smart grids have gained momentum in publications and news concerning energy efficiency, emission reduction goals and other climate change-related topics. This overview article sheds light on the relation between smart buildings and smart grids and provides information as to how smartness could be measured.

[more](#)



News

Topic of the Month: Building operation

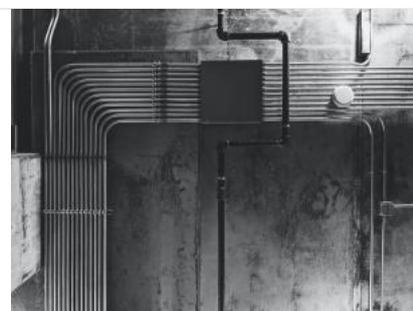
Every month, BUILD UP highlights publications covering a specific topic. April's Topic of the Month is 'Building operation'. The website is already available for contributions and our editorial board is eager to receive your discussion papers, news and articles.

[more](#)



Act!onHeat project launches its first call for applications

The Act!onHeat project has just launched its first call for applications open until 29/04 towards municipalities for individual and group technical support in the development of heat plans based on two open-source tools previously funded through H2020. The aim is to support 120 municipalities.



[more](#)

Open Call: Get your work in cultural heritage recognised

If you are part of the administration of a city, region or rural area in the EU, this is your chance to highlight your work in cultural heritage. All you need to do is fill out a short form with a description of a practice in your area. About 30 practices will then be selected for promotion through the EU-funded Cultural Heritage in Action programme. Application deadline: 30 April 2022.

[more](#)



BUILD UP Skills: EU building professionals assessed challenges and best practices from EU-funded projects

More than 100 representatives from 20 EU-funded projects exchanged views, challenges and best practices to upskill the construction workforce, during the BUILD UP Skills European exchange meeting. Organised by the European Climate, Infrastructure and Environment Executive Agency (CINEA), the meeting took place on 30 November, and was also attended by representatives from DG Energy, DG Employment, DG Environment and DG Internal Market, Industry, Entrepreneurship and SMEs.

[more](#)



13th BUILD UP Skills European exchange meeting
30 November 2021, Online
[Summary](#)

SCORES Project: Training series released

The SCORES project has shared a training series including Integrated Solutions, Building Energy Management Systems, Phase Change Materials, Air-to-air Heat Pumps, Water-to-water heat pumps, CLC Seasonal Thermal Energy Storage, and Heat Battery Based on GVI & Demonstrations.

[more](#)



TRAINING SERIES

SCORES PROJECT

Practices

What future for building envelope renovation?

New technologies and processes can reduce the environmental impact of a building and improve the comfort of its users according to a recent Trend Paper published by the European Construction Sector Observatory. The paper looks at recent policies and practical initiatives to foster the implementation of innovative solutions to renovate building envelopes.

[more](#)



EU aspires to untie Russian fossil fuels and tackle rising energy prices

Phasing out European dependence on fossil fuels from Russia can be done well before 2030. To do so, the Commission proposes to develop a REPowerEU plan that reduces faster the use of fossil fuels in homes, buildings, industry, and power system, by boosting energy efficiency,



increasing renewables and electrification, among other measures.

[more](#)

Croatian city crowdfunds solar roof in public building

Citizens of the Croatian city of Križevci were asked to invest in a solar PV system installed on the rooftop of the Development Centre and Technology Park's administrative building. Citizen investors are expected to receive an annual interest on accrued funds.

[more](#)



Explore this passive house in Guernsey, Channel Islands

This case study gives you the opportunity to find out about the thermal envelope, mechanical systems and PHPP values of this two-bedroom contemporary house in Guernsey, Channel Islands. The house has a treated floor area of 114 m² and was built in 2020 with masonry construction.

[more](#)



Explore

ACCEPT project: Creating energy communities

Energy communities are emerging as a promising element to promote citizen involvement in the energy transition. However, ICT tools are required to extract and optimise the flexibility of residential



energy resources to create financially viable operations based on citizen needs. The Core of the ACCEPT project is the concept of “energy communities” with the collective approach to bring citizens, local businesses and organizations together, to produce and consume locally generated, renewable energy.

[more](#)

POWER UP project: Actions on energy with a social agenda

The fight against energy poverty hinges on the successful engagement of regional and public authorities. In this context, the EU-funded POWER UP project will support cities’ efforts to plan and sustain the creation of local energy players with a social agenda. Teaming up with energy-poor households and local stakeholders, the project will develop six pilot schemes across Europe.

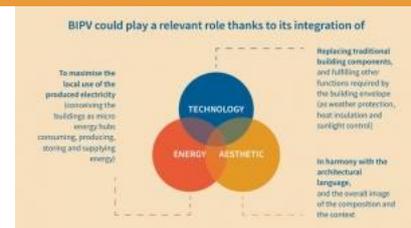
[more](#)



Learn

Infographics: The essential role of BIPV towards energy transition

To meet the 2030 Climate Target Plan, buildings must become more energy efficient and use renewable energy sources. This infographic helps you learn more about the difference between photovoltaics (PV) and building integrated photovoltaics (BIPV), and how BIPV can become a success factor in reaching the targets by also satisfying technological, energy and aesthetic requirements.



[more](#)

Webinar | Energy Efficiency Funds in Europe

The Energy Efficiency First Principle is a key pillar of the European Green Deal. A prerequisite for its widespread application is to secure financing for energy efficiency investments. This presentation discusses the contribution of Energy Efficiency Funds to the financing of energy efficiency in Europe. The analysis is based on the MURE database on energy efficiency policies.

[more](#)



Webinar | De-Risking Green Building Investments

QUEST has developed a methodology and toolbox that support investors & building owners to de-risk green investments in buildings. The tools support the integration of the most effective Quality Management Services into building projects which address both the performance gap and help you to be Taxonomy-aligned.

[more](#)



COVID-19 Ventilation Calculator by REHVA

The REHVA's Ventilation Calculator is already here! This tool estimates the effects of ventilation on COVID-19 airborne transmission, adding the virus variant multiplier estimated for the Omicron variant on the last update. It is addressed to specialists with at least a minimum understanding of ventilation and air distribution.

[more](#)



The European Climate and Cultural Atlas for Plus Energy Building Design

The CULTURAL-E project is developing the European Climate and Cultural Atlas for Plus Energy Building Design (2CAP-Energy Atlas) to share the knowledge and results developed in the project with designers, policy makers and researchers. A significant CULTURAL-E project element focuses on the identification of specific climate and cultural features which affect building energy consumption.

[more](#)



Events

14th REHVA World Congress CLIMA 2022

From now to 2030 the world of HVAC will change radically. To meet global climate goals and pursue the EU Green Deal, the regulatory environment on building performance, decarbonisation and the energy transition will change in 2022. CLIMA 2022 will focus on 5 themes related to this transformation that is on the horizon: Energy, Circularity, Digitization, Health & Comfort and Learning & Education.

[more](#)



The European Biomass Conference and Exhibition (EUBCE 2022)



EUBCE offers a number of opportunities for publication of articles related to biomass research and utilisation based on presentations given at the annual EUBCE conferences. These articles can be based on scientific research, industrial application, political policy developments, and many other aspects of biomass utilisation in the continually expanding field of technology developments and applications designed to mitigate climate change.

[more](#)

ICLEI World Congress 2021-2022

Every three years, ICLEI hold their World Congress to showcase how local and regional governments across our network are advancing sustainable urban development worldwide. The ICLEI World Congress connects them with their peers and strategic partners and provides a platform for discussions that will inform and enhance their work.

[more](#)



ICLEI World Congress
Malmö, Sweden • 2021 - 2022

Klimahouse 2022

Klimahouse's strategic location at the heart of the Alps makes it the perfect meeting point for companies to exchange ideas, innovations and insights on the latest trends on energy-efficient and sustainable construction. Klimahouse inspires 36,000 visitors from all over Italy to stay in the now. More than 450 exhibitors and over 150 events in four days for all those who believe in building well to live well.

[more](#)



2022 Euroheat & Power Conference

The European DHC industry, represented by Euroheat & Power (EHP), has pledged to pursue the full decarbonisation of DHC networks in Europe before 2050. To achieve this goal, the DHC sector will have to innovate and invest so that networks grow smarter, more efficient, and become better integrated with the wider energy system. The 2022 EHP Conference will bring together the worlds of policy, industry and research to reflect on how DHC can become the best possible version of itself over the coming years and contribute to achieving climate and energy ambitions.

[more](#)

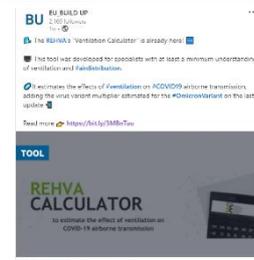


Social media



Build Up on Twitter

Only 9 days left to discuss about "What levers for a truly low-carbon renovation?" / 17 March / This #webinar explores the pioneering methodology that @hqegbc has developed to apply life cycle assessment to #decarbonisation of existing buildings.



Build Up on LinkedIn

The REHVA's "Ventilation Calculator" is already here! This tool was developed for specialists with at least a minimum understanding of ventilation and #airdistribution. It estimates the effects of #ventilation on #COVID19 airborne transmission, adding the virus variant multiplier estimated for the #OmicronVariant on the last update.

[more](#)

[more](#)

About this e-mail

The BUILD UP newsletter is issued by the European Climate, Infrastructure and Environment Executive Agency (CINEA). The content of the newsletter does not necessarily reflect the opinions of the institutions of the European Union.

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