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March 2019



## BUILD UP

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### Overview articles

#### **ENERFUND – A tool to identify building energy retrofit opportunities**

The ENERFUND tool aims to scale up investments in deep renovation of buildings across Europe. Funded by the European



Commission's Horizon 2020 programme, it provides key stakeholders, such as financing institutions, energy service companies and local authorities, with sound and up-to-date information regarding the energy efficiency of the EU's building stock.

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## News

### Topic of the Month 'Renovation and retrofitting of existing public and non-residential buildings'

Every month, BUILD UP highlights publications covering a specific topic. March's Topic of the Month is: 'Renovation and retrofitting of existing public and non-residential buildings'. The website is already open for contributions and BUILD UP's editorial board is eager to receive your discussion papers, news and articles.



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### Save the date! Digital construction skills: enabling the energy transition in Europe's building stock

A BUILD UP skills event will take place during the Barcelona Building Construmat '19 international trade fair to be held on 14-17 May. Participants in this workshop will



include the European Commission, national authorities, building industry representatives, education and training experts and EU-funded projects.

[More](#)

## Webinar on iBRoad – My path towards an energy-efficient home

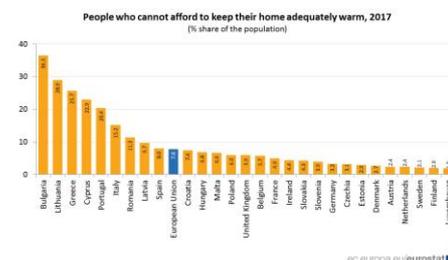
With a focus on residential buildings, the iBRoad project analyses and builds upon relevant examples from Germany, France and Belgium (Flanders) to identify the elements, develop an integrated concept, and produce modular tools suitable for differing national conditions. If you want to know more about the iBRoad project and the Building Renovation Passports do not miss this webinar produced in collaboration with Build Up!



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## Can you afford to heat your home? National and EU data from EUROSTAT

In 2017, in an EU-wide survey, 8 % of the population of the European Union said they could not afford to heat their home adequately. This share peaked in 2012 (11 %) but has fallen continuously in subsequent years.



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## Integration of LCA tools in BIM towards a regenerative design

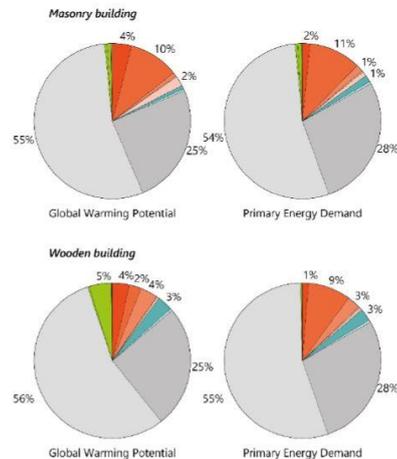
In the case of regenerative processes, design can receive significant benefits from information that can be obtained by applying the life-cycle assessment methodology. The LCA approach can be implemented both for a single building material and for the whole building.

[More](#)

## Benchmarks for environmental impact of housing in Europe: archetypes and LCA of the residential building stock

The study describes the results of a full LCA applied to 24 statistically-based dwelling archetypes, representative of the EU housing stock in 2010. The aim is to quantify the average environmental impacts related to housing in Europe and to define reference values (baseline scenario) for policy development.

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## NZEB: Concepts, frameworks and roadmap for project analysis and implementation

The book is based on lessons learned from net-zero energy buildings design, construction and operation which are integrated to introduce the most relevant and multidisciplinary topics, such as climate sensitivity, comfort requirements, carbon footprints, construction quality and evidence-based design.

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## Rannaliiva in Võru: building retrofitting during the RENOZEB project

This is a case study of the RENOZEB project in Estonia. This will include innovative components and processes and decision-making methodologies to guide all value-chain actors in nZEB building renovation activities.

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**Net Zero Energy Buildings (NZEB):**  
Concepts, Frameworks and Roadmap  
for Project Analysis and Implementation



Batterworth-Heinemann  
An imprint of Elsevier  
elsevier.com/books-and-journals

Shady Attia



Explore

## BIM4Ren project

BIM4Ren is a European-funded research project involving 23 European partners. Its general objective is to help to improve the



low productivity rate of the European construction sector in the energy renovation market segment.

[More](#)

## BIMzeED project

The BIMzeED project focuses on the training needs for the current and future construction industry, the main purpose being to encourage: 1) better employability; 2) low-carbon growth; 3) green and nZEB skills; and to 4) increase youth employment.

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## RENOZEB project

RENOZEB aims to unlock the nearly-zero-energy-building (nZEB) renovation market by increasing property value through a new systemic approach to retrofitting.

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## BIMcert project

The BIMcert project will develop a blended, fully supported suite of building information modelling learning tools which will enable geographically dispersed construction project teams to use technology to enhance information exchange and collaboration.

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Learn

## Webinar on smart and technology-equipped buildings – new features from the amended EPBD

EuroACE is currently presenting the final version of its Guide to EPBD Implementation in a series of webinars in cooperation with BUILD UP. The third webinar in the series, which took place on 13 February, discussed smart and technology-equipped buildings focusing on new features from the amended EPBD.

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## Modelica Buildings library

The Modelica Buildings library is a free open-source library with dynamic simulation models for building and district energy and control systems. The primary purpose of the library is for flexible and fast modelling to accelerate innovation leading to cost-effective very-low-energy systems for new and existing buildings.

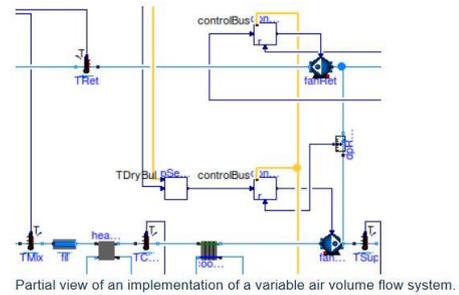
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## Urban Adaptation Support Tool

The aim of the Urban Adaptation Support Tool (UAST) is to help cities, towns and other local authorities to develop, implement and monitor climate change adaptation plans. UAST was developed as practical guidance for urban areas in recognition of their importance to the European economy.

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## Events

### REEEM Technology and Innovation Roadmap Workshop on Energy Efficiency in Buildings

During this event, the roadmap and its preliminary findings will be presented during the morning session.

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### Greenbuild Europe 2019

Greenbuild Europe, Human X Nature is the flagship event for sustainability professionals while Greenbuild Europe is the first annual conference for professionals in this European sector.

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## Meeting Europe's building renovation challenge

Following the adoption of the EU's Clean Energy Package setting long-term targets for 2030, 2019 will be a critical year for Member States to decide which policy tools can deliver results.



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## BUILDING GREEN Aarhus 2019

The event is not just an exhibition of products and solutions – it will also provide a platform of knowledge comprising international keynotes, relevant debates, idea pitching and much more.



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## Social media



### Build Up on Twitter

We are pleased to have taken part in the Investment Covenant of Mayors Investment Forum & seeing so many EU projects on #EnergyEfficiency. What about



### Build Up on LinkedIn

For all the #ARCHITECTS out there! Participate in @EU\_Commission survey on #EnergyRenovation & #nZEB. Available in all EU languages.

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