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Dear reader

While everybody is waiting for the legally binding version of the EPBD recast, following the approval in the plenary session by the Members of the European Parliament, this BUILD UP newsletter already contains several items that are important for the implementation of the recasted directive such as a zero energy case, an event on building airtightness, the commitment of the UK government to reduce the energy consumption of the government buildings by 10 % within a year and several more.

We hope you enjoy reading our newsletter that includes also information on the introduction of energy performance certificates to South Africa, news from the Covenant of Mayors plus tips for new tools, publications and upcoming events.

Your BUILD UP team.

Discover the latest and most interesting items posted by the BUILD UP users this month:

Publications



Affordable warmth for all - A guide to improving energy efficiency in the social housing stock, for social housing providers, residents and supporting organisations

This guidebook has been produced as part of the FinSH project - Financial and Support Instruments for Fuel Poverty in Social Housing. This guidance document summarises the main issues to be considered relating to the successful improvement of energy efficiency in social housing. Since behavioural c can result in potential savings that should not be underestimated and helps tap the full potential ... [more](#)

Monitoring and evaluation of energy certification in practice with focus on central European states

This study was commissioned by the German Government to analyse the experiences with the EPBD implementation in the neighbouring countries. The German Government wishes to contemplate the further revision of the EPBD related legislation with the experiences of the neighbouring countries concerning energy performance certification. The study reflects the situation until autumn 2008 in Austria, Belgium, ... [more](#)

An effective handling of thermal bridges in the EPBD context - Final report of the IEE ASIEPI work on thermal bridges

The ASIEPI project has collected and analysed international and national information from up to 17 EU Member States plus Norway on the topic of thermal bridges in buildings. Seven different aspects have been addressed, ranging from EU Member States' approaches in regulations to quantification of thermal bridge effects to the energy balance, used software tools and thermal bridge atlases, available ... [more](#)

More publications can be viewed here: [Click here](#)



Cases

Highlighted Case May 2010: Abalone: a zero energy head office building

The head office of the company Abalone (human resources management) is really close to the zero energy level and should in the future have an over energetic production of 18.3 kWh/m²a. The construction works started in 2006. The building is located near Nantes (France). The design optimizes the thermal inertia (double coated elevation, thermal losses reduction...) and integrates a large panel of renewable ... [more](#)

Solar Prism - Renovated townhouse

A zero-carbon renovated townhouse with a solution combining technologies in order to meet the demands of sustainable housing with comfort requirements of the future. The combined energy technologies include solar thermal collectors, photovoltaic collectors, a ground source heat pump, a 160 l solar hot water tank, mechanical ventilation with heat recovery, use of daylight through roof windows, passive ... [more](#)

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Communities



Windows, Doors, Curtain Walls

In the past windows influenced only 20-30% the energy demand of buildings but in low energy buildings windows have already an influence of more than 50% to the energy needs. With the upcoming net zero energy buildings the influence will raise above 80%. ... [more](#)

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Events



European Energy Efficient Building Congress

From June 23 to 25, 2010, the Alsace Region in partnership with the French Environment and Energy Management Agency (ADEME Alsace) organises the European Energy Efficient Building Congress in Strasbourg. This European event, dedicated to training for energy efficiency in building, is of particular importance as it marks the end of the ILETE European project selected in the framework of "Intelligent ... [more](#)

International workshop on 'Large scale national implementation plans for building airtightness assessment: A must for 2020!'

This international workshop aims to give a good overview of all the issues involved in building airtightness, with specific attention to planning aspects, execution and evaluation. Attention will also be given to the point of view of key stakeholders. During the workshop, the European Platform on Building Airtightness will be launched and it is planned to have follow-up sessions on specific topics. ... [more](#)

Other events: [Click here](#)

Tools



Easy Cogen tool

The Combined Heat and Power (CHP) Tool developed by Cogen-Challenge is available at no charge to help you answer questions on CHP. The Easy Cogen tool is a software tool that evaluates the feasibility of using gas or oil engines to generate heat and electricity. The tool also provides the estimated energy savings and various utility costs. ... [more](#)

Lowex

The quality of energy and matter is expressed by the concept of "exergy." It represents the resource-capacity of energy and matter, or their "ability to disperse themselves into their environment." Exergy can explicitly show us the degree of "consumption" quantitatively, which is brought by "dispersion" of energy and matter. To increase the understanding of exergy flows in buildings and to be able ... [more](#)

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News from the EU



European Parliament adopts EPBD recast

On 18 May 2010 a recast of The Directive on energy performance of buildings (2002/91/EC) was adopted in order to strengthen the energy performance requirements and to clarify and streamline some of its provisions (the Directive is expected to be published in the Official Journal in June). ... [more](#)

EU conference: 500 cities pledge to reduce CO2 by more than 20%

More than 500 European mayors have committed on 4 May 2010 to cut CO2 emissions by more than 20% by 2020. By signing the Covenant of Mayors, they pledged to save energy, foster renewable energy and raise awareness among their citizens. They have signed the declaration in the presence of EU Commission President José Manuel Barroso and José Luis Rodríguez Zapatero, Prime Minister of Spain. The Covenant ... [more](#)

New information paper on recommendations to policy makers to improve the quality and impact of EPBD regulations

The main objective of the ASIEPI project has been to formulate suggestions to policy makers on how to improve the quality and the impact of the regulations on the energy performance of buildings with respect to 6 specific issues: intercomparison of the levels of the energy performance requirements; impact, compliance and control of legislation; effective handling of thermal bridges; stimulation of ... [more](#)

GreenLight and GreenBuilding EU awards: winners save up to 85% of their energy consumption

These awards, launched by the European Commission in 2000 and 2005 respectively, promote the reduction of energy consumption by public and private organisations on a voluntary basis. One of the 12 award winners in the 2010 edition of the GreenLight programme is Dagda town council in Latvia, which reduced its energy consumption in lighting by 85% after joining the initiative in 2007. In the GreenBuilding ... [more](#)

News from the countries



UK: Cutting central government emissions by 10% in 12 months

Carbon emissions from central government will be cut by 10% in the next 12 months, Prime Minister David Cameron announced today. This is the most ambitious commitment on UK Government emissions ever made – and will provide strong and decisive leadership on green issues helping to deliver better value for money and make a contribution to reducing the record deficit. Government department headquarters ... [more](#)

Expo leading the way to a greener, cleaner future

The World Expo will boost the concept of ecology and environmental protection and stimulate scientific research and technology development, officials from Shanghai Science and Technology Commission said yesterday. And they said the green and cutting-edge technologies used or showcased at the Expo would be widely introduced into real life. New technologies such as a TD-LTE (time division-long term evolution) ... [more](#)

Introduction of energy performance certificates for buildings in South Africa

The Civic Centre, the chair of the town administration in Johannesburg, was certified for its energy performance by the Fraunhofer Institute for Building Physics, Germany within the Enerkey project. According to the goals of the City Council, public buildings shall act as leading examples for energy efficiency. The Civic Centre is a prime example for energy efficiency of public buildings as the total ... [more](#)

France: 100000 zero-interest loans for building energy renovations

One year after being launched by the French Government, loans at 0 % interest rate, that are intended to help building owners or occupants to finance energy efficient renovation of buildings, have reached a total number of 100000. The maximum amount of these loans varies from 20000 to 30000 €, according to the extent of the renovation work. ... [more](#)

Scotland: Environmentally friendly family wins award

A West Lothian family have won a £ 10,000 prize – thanks to their environmentally friendly endeavours. The McDermids from West Calder have won the National Sustainability Award and bursary that comes with it. They triumphed over tough competition to win the public vote in the prestigious Future Friendly Awards, receiving the prize of a home and eco makeover worth £ 10,000. ... [more](#)

INTERACT WITH BUILD UP



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Submit your items to extend the content and knowledge on BUILD UP

If you are aware of other publications, events, tools or best practice cases in the field of energy efficiency in buildings, join the portal and submit the information. Other users will benefit from the extended available knowledge.

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