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INTERACT WITH BUILD UP

Dear reader

EU Sustainable Energy Week (EUSEW) is approaching. The big event with various activities taking place in Brussels between 18 and 22 June 2012 along with satellite Energy Days all over Europe is one of the key information items presented in this BUILD UP newsletter. Another focus is on the comparative methodology framework, that has been just published by the EU Commission, which shall be used by the Member States to analyse whether their current energy performance requirements are cost-optimal.

Learn more about this framework, about first experiences made by applying it in the countries, but also about what's going on at the EUSEW by studying the newsletter and more information available on the BUILD UP portal.

Your BUILD UP team

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

News from the EU



EU officially publishes regulation supplementing directive towards methodology for evaluating cost optimality of the EPBD recast

The COMMISSION DELEGATED REGULATION (EU) No 244/2012 of 16 January 2012 supplementing Directive 2010/31/EU of the European Parliament and of the Council on the energy performance of buildings by establishing a comparative methodology framework for calculating cost-optimal levels of minimum energy performance requirements for buildings and building elements was published March 2012, in the Official... [more](#)

Be part of the EU Sustainable Energy Week 2012 - Organise an Energy Day in your city/region

The European Commission invites you to take part in the EU Sustainable Energy Week 2012. Every year

hundreds of organisations in over 30 countries take part in the EU Sustainable Energy Week, the reference event for energy efficiency and renewable energy sources in Europe. For this 6th edition you still can be part of it by organising an Energy Day in your city or region. An Energy Day is a not-for-profit... [more](#)

EACI Call for experts in financing energy efficiency and renewables projects

The Executive Agency for Competitiveness and Innovation (EACI) invites experts in making business greener, energy efficiency and renewables, or sustainable freight transport to become evaluator of EACI programmes. This concerns the Intelligent Energy-Europe and Eco-Innovation programmes. In addition, the EACI invites applications in the field of Marco Polo. [More](#)

News from the countries



Passive houses can be successfully built in Romania

Passive houses with very low power consumption can be successfully built in Romania. Such a house, built in the pilot project "Passive houses suited to weather conditions in Romania" totalled construction costs of 1,200 euros per sqm (excluding VAT and cost of land), said Madalina Anastasiu, expert at the Institute of Studies and Power Engineering (ISPE), managing partner in the project produced as... [more](#)

UK: Reminder of changes to Feed-in Tariffs from 1 April

The Department of Energy and Climate Change is introducing a range of changes to the FITs scheme to come into effect on 1 April 2012 following a consultation at the end of last year. The changes will help ensure that current tariff levels for solar PV are more closely matched to installation costs, and that solar PV is considered as part of a whole-house approach to saving energy and carbon. [More](#)

Germany: Growing trend for saving energy

Low-interest loans and investment grants for the energy-efficient construction of new homes and the energy modernisation of residential buildings remain in great demand from builders. In the first two months of 2012, KfW Bankengruppe had already committed EUR 1.7 billion in promotional loans for the programmes Energy-Efficient Construction and Energy-Efficient Refurbishment, an increase of 87 per cent... [more](#)

New Danish energy agreement: 50 % of electricity consumption from wind power

in 2020

With an ambitious energy agreement Denmark takes a decisive step towards a society free of coal, oil and natural gas. In 2020 half of the electricity consumption will come from wind power (today it's 25 %), and the energy consumption will decrease by more than 12 % in 2020 compared to 2006. The parties behind the agreement represent 171 seats out of 179 in the parliament. The agreement establishes... [more](#)

£50,000 prize for app that helps businesses to go green!

A prize of £50,000 is on offer to software developers who can produce the best App to help businesses in Scotland reduce their carbon emissions. [More](#)

London's first community-owned solar power project to be built on social housing

Brixton Energy Solar 1 will be installing solar panels over several roofs on the Loughborough Estate in Brixton. This community solar scheme is believed to be the UK's first inner-city, co-operatively owned, renewable power station to be built on social housing. The solar scheme has already raised 70 percent of its £75,000 target by issuing a community share offer which provides investors with a return... [more](#)

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Financing Schemes



Financial incentives supporting EPBD recast objectives (Article 10, Directive 2010/31/EU)

Article 10 of Directive 2010/31/EU (EPBD recast), requires for Member States to outline the existing and proposed measures and instruments including those of financial nature, which promote the objectives of the Directive. These lists should be updated and communicated to the Commission every three years. The deadline for the first listing was June 30 2011. Member States can communicate these lists... [more](#)

Study on Energy Efficiency in Buildings in the Contracting Parties of the Energy Community

The final report of the "Study on Energy Efficiency in Buildings in the Contracting Parties of the Energy

Community” is now available on-line. The overall objective of the Study is to support governments (of Western Balkan countries, Moldova and Ukraine) in their efforts to meet their commitments under the Energy Community Treaty and implementation of EPBD. To this end, the study calls for the efficient... [more](#)

Read about other financing schemes: [Click here](#)

Events



EU Sustainable Energy Week 2012

Europe's key event for a more sustainable energy future. [More](#)

The road to near zero-energy buildings: Best practice cases in the housing sector

As the local, regional and national policy are set in place for the construction of near-zero energy buildings, the European roof tile and brick manufacturer association (TBE aisbl), is organising a workshop on the best practice cases in the housing sector. This workshop is part of the official EUSEW programme. [More](#)

Implementation and Financing of Innovative Low Carbon Projects: Lessons Learned

This conference will aim to encourage novel approaches to financing and business models, in addition to technological innovation, in developing clean energy technologies. ERRIN Member regions will showcase inspiring, concrete examples of innovative and efficient approaches to securing investment in local low carbon projects. A subsequent debate between the project developers and EU institutional; finance... [more](#)

7th International BUILDAIR-Symposium

The 7th International BUILDAIR-Symposium’s topic this year “Building and Ductwork Air Tightness in Practice” will be addressed to experienced practitioners as well as to beginners. As usual the focus will be on practice-oriented user knowledge and the intensive exchange of information among participants. With view to the EPBD it is essential that technicians, energy consultants, planners and architects... [more](#)

Other events: [Click here](#)

Publications



Introducing cost-optimal levels for energy requirements

The recast of the Directive on the Energy Performance of Buildings (EPBD) states that Member States (MS) must ensure that minimum energy performance requirements for buildings are set “with a view to achieve cost-optimal levels”, and that the cost-optimal level must be calculated in accordance with a comparative methodology. This article discusses the methodology for calculating cost-optimal levels... [more](#)

The Path towards 2020: Nearly Zero-Energy Buildings

This article based on the work of the Concerted Action EPBD project describes the status of the national applications of the nZEB definitions. It shows that so far only 2 EU members have an officially approved national application. It contains an example of the nZEB national definition adopted by Denmark. In conclusion it discusses the nZEB topics, which have to be further analysed. [More](#)

CIBSE TM 44: Inspection of air conditioning systems - A guide to EPBD compliance

The CIBSE TM44 document is used as the guidance for air conditioning inspections in the UK, the Republic of Ireland, Malta and Gibraltar. It is primarily intended to support inspections which are carried out for compliance with the EPBD, but it is also useful to anyone who wishes to assess the energy efficiency of an air conditioning system. With the benefit of the experience gained over the past three... [more](#)

Energy Roadmap 2050 Brochure

This illustrated brochure comprises the text of the European Commission's communication 'Energy roadmap 2050' (COM(2011) 885 final of 15 December 2011) and a foreword by Günther H. Oettinger, European Commissioner for Energy. [More](#)

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

Cases



Highlighted Case April 2012: Princesdale Road Passivhaus

Built in the 1850's, 100 Princesdale Road is the first retrofit to be awarded Passivhaus accreditation in the UK. The terrace's age, and its location within the Holland Park Conservation Area of London, led to several additional challenges as part of the build. This prevented the use of external insulation and meant that windows and doors had to be specially designed to match the period style. The property... [more](#)

SOLAR XXI: A Portuguese Office Building Towards Net Zero Energy Building

This is a case study of a SOLAR XXI very low energy building located in Lisbon, Portugal. The building was built in 2006 with the aim to reduce the energy use as much as possible. The attached article describes the used technologies, which include partial natural ventilation, ground heat exchanger for supply ventilation air, solar shading, photovoltaic panels etc. Annual delivered electric energy distribution... [more](#)

Discover other cases and rate them: [Click here](#)

Tools



A film and a guide about building air tightness for French professionals

ADEME together with four French Regions (Alsace, Bourgogne, Franche-Comté, Pays de la Loire) has published a film and a guide about building air tightness. The film illustrates the key steps for the implementation of an air-tight construction. It is aimed at both building owners, designers, consultants and construction companies. Its educational objectives are to make clear the importance of building... [more](#)

Read about other interesting tools: [Click here](#)

Communities



Energy performance calculation procedures and CEN standards

Harmonization of the energy performance calculation procedures in Europe. Preparation of a second generation of CEN standards to support the (recast) EPBD. [More](#)

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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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