



[Publications](#) / [Cases](#) / [Communities](#) / [Events](#) / [Tools](#)

[News from the EU](#) / [News from the countries](#) / [INTERACT WITH BUILD UP](#)

Dear reader

The summer break is over for most European countries. This BUILD UP newsletter will ease your comeback to work by highlighting positive developments that took place during summer in the field of energy efficient buildings. Learn how private residential buildings are renovated in Estonia, how nanotechnology is used for insulation material, and get insights into the successful retrofitting of a typical school building in Germany. Two interesting events and many news from different countries will keep you updated about what's going on in Europe. Stay informed with www.buildup.eu.

Your BUILD UP team.

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

Publications



Heat Pump incentive schemes: experiences from EU Member States

This slide presentation from EHPA (European Heat Pump Association), given at Proclimate Conference in Poznan (Poland) in September 2009, offers an overview of the different incentive schemes that have been implemented by some European countries in order to promote the use of heat pumps, especially in buildings. ... [more](#)

Construction - Nano-enabled insulation materials

This document from the ObservatoryNANO European project provides an overview of the building insulation market, and how nanotechnology is contributing to it. Through nano-porous materials, nano-coatings and nanoparticle enhanced paints, nanotechnology can help to save energy and increase comfort and wellbeing within buildings. ... [more](#)

Financial and social structure for refurbishment of privatized housing stock: the Estonian experience

This slide presentation from Estonian Union of Co-operative Housing Associations was given at the Conference "Financing energy efficiency in Housing: a European Priority" in May 2010 in Brussels. It explains the context of the renovation of the privatized residential buildings in Estonia. ... [more](#)

Cases



Highlighted Case September 2010: Exemplary Retrofitting of a School (EROS) in Stuttgart, Germany

In the EROS Project the potential for the energy efficient retrofit of a typical school building in West Germany was demonstrated. The renewal of the space heating system was combined with improved insulation to yield synergetic effect. The project aimed to minimise future energy consumption and optimise the cost effectiveness of the retrofit. Thus, both operating costs and emissions were reduced. ... [more](#)

Highlighted Case August 2010: Stuttgart–Burgholzhof: 800 low-energy residential units with solar supported local district heating

The Burgholzhof project is a good example for the development, realisation and monitoring of 800 residential units plus a school building all designed to be in low energy quality. The heating and domestic hot water supply was realised by a solar supported district energy network. The city of Stuttgart used in 1995 the instrument 'development measure' (Entwicklungsmassnahme) and bought a property, added ... [more](#)

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Communities



Energy efficiency policies in 5 continents

Overview of energy efficiency measures in Europe, America, Asia, Africa and Australia. ... [more](#)

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Events



ICT 2010 Conference - European Commission

The conference addresses the position of ICT in our society. While sustainability and low carbon economy are at the very center of citizens' interest, ICT and digital solutions can be an important player to reach this sustainability. The conference will tackle themes such as the potential of digital solutions to promote sustainable growth in a low carbon economy, the continuing constructive role of ... [more](#)

EuroSun 2010 in Graz!

EuroSun is Europe's largest conference on solar thermal energy. EuroSun conferences are organized biennially by ISES Europe and are dedicated to a scientific audience in the field of solar energy. Like EuroSun 2008 in Lisbon, EuroSun 2010 will be organised together with the IEA SHC program and will focus on solar heating, cooling and buildings. ... [more](#)

Other events: [Click here](#)

Tools



Optisol

In the framework of the OPTISOL project, funded by the French Agency for Energy and Environment (ADEME), a methodology for life cycle optimization during sketch or refurbishment has been developed for professional building actors: architects, building owners, designers, HVAC engineers... First, a French typology of tertiary buildings has been created: partitioned and open space offices, hospitals, schools ... [more](#)

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

News from the EU



Better Light with Less Energy!

Europe is switching to energy-saving light bulbs. But many consumers think that their performance does not match their old-fashioned counterparts. To improve citizens' knowledge of the new 2nd generation low-energy light bulbs, the European Commission has made a 2-minute cartoon and launched a website. The 'Better Light with Less Energy' cartoon is short, simple and funny. It shows the viewer that ... [more](#)

Covenant of Mayors goes East

The EU Action Plan for Energy Efficiency includes the Covenant of Mayors as a Priority Action. After an informal prior consultation, the Covenant of Mayors was launched in the format available at <http://www.eumayors.eu> on 29 January 2008. Since then, this initiative has achieved large international success: among signatories there are 12 cities of Ukraine, 1 city in Armenia and Tbilisi, Georgia's capital. ... [more](#)

News from the countries



1100 low energy demonstration buildings in France

A recent press release from the French Environment and Energy Management Agency (ADEME) provides information about 1100 very low energy demonstration buildings that have been built in France since 2006. From the 1100 demonstration buildings, 60% are residential and 40% commercial, while 80% are new buildings. A survey on 124 of these new buildings shows that their cost remains acceptable: For 85% the ... [more](#)

Germany: Draft of the energy concept of the ministries of economy and environment includes focus on energy efficient retrofit and energy efficient new buildings

The draft of the BMWi/BMU energy concept foresees guidelines for a sustainable, reliable and affordable energy supply and wants to pave the way towards an era of renewable energies. According to the draft the idea is to have a longtime, until 2050 reaching holistic strategy. At the building sector energy efficiency measures are considered to have an enormous potential. One of the aims of the draft ... [more](#)

UK: Social housing 'more energy efficient' than private sector homes

Social sector homes are more energy efficient than those in the private sector, an energy expert said today. Local authorities and other RSLs are paying more attention to ensure energy standards are met, compared to private property owners. The National EPC Company which carries out Energy Performance Certificates (EPCs) across all sectors has observed that the worst offending properties for energy ... [more](#)

Norman Cotswold church to go 'zero carbon'

Work to make St Michael and All Angels Church in Withington the first zero carbon church in the UK is due for completion at the end of September. Officials say the Grade 1 listed Norman church will no longer give out any carbon dioxide emissions once the work is finished. They say they will even be able to sell energy back to the national grid. ... [more](#)

The Netherlands: Minister Van Middelkoop announces €15 million for national government energy-saving subsidy

As of Saturday 17 July 2010, owner-occupiers who make their homes more energy-efficient will again be able to apply for subsidy. The budget for the subsidy fund provided by the More with Less ['Meer Met Minder'] Foundation ran out in May, so the subsidies will now come from a scheme set up by the national government. €15 million have been earmarked for this scheme. ... [more](#)

Heat pumps get a warm welcome in Denmark

New figures from the Danish Energy Agency show that heat pumps are winning increasing favour with householders, reports the Danish Energy Association in its daily newsletter. A survey showed that no less than 98% of respondents were satisfied with their heat pumps, the installation of the equipment, and not least the savings they have realised. And 90% reported that their heat pumps are very simple ... [more](#)

INTERACT WITH BUILD UP



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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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