



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

[News from the EU](#) / [News from the countries](#) / [Interact with BUILD UP](#)

Dear reader

The preparations of the Copenhagen UN Conference on Climate Change are coming to the final stage. The EU and its Member States will continue their international leadership in CO₂ emission reductions. After the successful conclusion of informal negotiations between EU Parliament and Council on November 17, 2009, Europe can present in Copenhagen an effective tool to make the ambitious environmental objectives happen. The EU is committed to invest more and to better use the financial instruments for the energy efficiency of buildings and renewable energy. In this edition of the newsletter you will find useful information around the Copenhagen preparation process and good examples from the daily practice. We hope you enjoy reading our selected news on energy efficiency in buildings.

Your BUILD UP team.

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

Publications



Major renovation: definition in monetary terms

The current proposal for the recasting of the EPBD contains in Article 2 ("Definitions") the following explanation of "major renovation": the renovation of a building where (a) the total cost of the renovation related to the building envelope or the technical building systems is higher than 25 % of the value of the building, excluding the value of the land upon which the building is situated, or (b) more than 25 % of the surface of the building envelope undergoes renovation. This report supports ongoing discussions on whether the 25 % in the value-related definition of major retrofit represents a balanced and practical value.

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

Cases



Edifício dos Serviços Administrativos da Parque EXPO'98, Lisbon, Portugal

The building incorporates both natural and mechanical ventilation. Basic ventilation is provided by the HVAC system which operates when either heating or cooling is required, or when natural ventilation provides insufficient fresh air. Each floor of each block has two air handling units which provide air to an under-floor plenum which in turn supplies air to the occupied space using displacement ventilation (see Figure 5). Air is extracted at the ceiling to the atrium via ducts built into the concrete structure of the floor above. From the atrium air passes out through the roof of the atrium (Figure 3), either under natural stack effect though purpose-built openings or under the action of extract fans.

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

Communities



Community on requirements for experts and inspectors

The main aim of the Community is to share knowledge, initiate discussions, raise questions and search for solutions concerning new ways in which energy certification can be even better than today. This community deals with the requirements of article 10 of the EPBD directive on Independent Experts. It comprises issues such as specifications and training requirements for experts and inspectors, technical skills, independence, quality assurance for experts, criteria for accreditation, accreditation procedures, code of practice, insurance and liability. The services related to building energy performance are an important part of the EU internal market and there is an increasing mobility of workers inside the EU. Measures creating more comparable national regulatory conditions would decrease the administrative burden and increase the opportunities for productivity gains also for services. Therefore, as announced in the short description, the objectives of the Community are to collect and analyse the requirements in the Member States in order to facilitate and support, as a first step, the establishment of equivalences of competences throughout Europe and more comparable requirements in the future. As the requirements and the training are strongly linked to the tools, these items will also be treated.

Stay informed on this item and join the discussions at: [Click here](#)
To visit and join other communities: [Click here](#)

Events



Energy Efficiency in Buildings - 15th International HVAC Conference

The COMFORT BUDAPEST Energy Efficiency Exhibition and Conference will be organised 10-12 February, 2010 in Budapest (SYMA Sport- and Event Centre). Part of the event on Friday (12/02/2010) will be the 15th International HVAC Conference titled "Energy Efficiency in Buildings".

Further information: [Click here](#)
Other events: [Click here](#)

Tools



Thermography map of buildings in Brussels

This thermography map provides citizens living in the Brussels's region with an indication of energy losses of the roofs of their homes and even neighbours by street number. For a more detailed analysis additional information such as the surface reflectance and whether the building was heated during the days of the thermography are needed. A link to consultants for advice on how to improve the thermal quality of the building is given.

Further information on this tool: [Click here](#)
Read about other interesting tools: [Click here](#)

Building design advisor

Software environment that supports the integration of multiple building models and databases used by analysis and visualization tools, through a single, object-based representation of building components and systems. BDA (Building Design Advisor) acts as a data manager and process controller, allowing building designers to benefit from the capabilities of multiple analysis and visualization tools throughout the building design process. BDA is implemented as a Windows-based application. The current version includes links to a simplified Daylighting Computation Module (DCM), a simplified Electric lighting Computation Module (ECM), and the DOE-2.1E Building Energy Simulation software.

Further information on this tool: [Click here](#)
Read about other interesting tools: [Click here](#)



Energy-saving buildings: agreement reached between the Council and the Parliament

All buildings built after 31 December 2020 must have high energy-saving standards and be powered to a large extent by renewable energy. Public authorities will lead the way two years earlier and part of the funding for these changes will come from the EU. These are among the key points of a deal reached on Tuesday evening between Parliament and Council negotiators.

Further information: [Click here](#)

EU Commissioner Piebalgs welcomes political agreement on energy performance of buildings

Energy Commissioner Andris Piebalgs welcomes the political agreement on energy performance of buildings reached yesterday by representatives of the European Parliament and the Council. The agreement will greatly contribute to achieving EU Climate and Energy objectives for 2020 and to boost European economy. The agreement will strengthen the building codes and energy performance requirements for buildings across the EU and fixes 2020 as deadline for all new buildings to be nearly zero energy buildings.

Further information: [Click here](#)

IEA's "World Energy Outlook 2009" confirms EU energy and climate policies are on the right track

The International Energy Agency (IEA) has recognised the contribution of the EU energy policies in the fight against climate change but highlighted that if global temperature rise is to be kept below 2 ° Celsius, much remains to be done. This is one of the main messages of a presentation of the IEA's World Energy Outlook 2009 (WEO 2009) for European Commission high level officials, hosted by Energy Commissioner Andris Piebalgs today. The IEA's Executive Director Nobuo Tanaka and Chief Economist Fatih Birol presented the recent upheavals in energy markets and discussed their implications for EU policies.

Further information: [Click here](#)

WWF publishes report on climate friendly national policies .

Climate-friendly policies not only reduce greenhouse emissions and bring environmental benefits; they also boost and diversify the economy, a recent report scoring some 100 climate policies from G20 countries reveals. The report carried out by Ecofys and Germanwatch for WWF and E3G evaluates climate policies of countries accounting for around three-quarters of global greenhouse gas emissions, identifying best and worst examples and lessons learned. The top places in the report were given to an "Efficiency in buildings" programme implemented by the German government and a "Feed-in tariff for renewable electricity" initiative, also in Germany.

Further information: [Click here](#)

Commissioner Piebalgs receives the first 39 Energy Action Plans under the Covenant of Mayors.

Representatives from the Barcelona Provincial council handed over the first 39 Sustainable Energy Action Plans (SEAPs) of the Covenant of Mayors signatories to European Energy Commissioner Andris Piebalgs on 30th October 2009. The meeting marks a step change from preparation to action, as signatories have a year from signature to submission of their SEAPs.

Further information: [Click here](#)



The Danish Government takes the lead in energy saving

Danish governmental energy consumption should be reduced by at least 10 % by 2011 compared with the consumption in 2006. A new database will gather data on the consumption of institutions and the results of the energy savings initiative will be published on a new website. This decision has been published in a new circular letter about energy improvement in governmental institutions. The individual ministries must now decide how they are going to reduce energy consumption by 10 %.

Further information: [Click here](#)

UK Department of Energy and Climate Change signs up to 10:10 campaign

The Department of Energy and Climate Change has today reaffirmed its pledge to cut its own carbon emissions by signing up to the 10:10 campaign. The Department will now cut emissions by 10% in 2010 on top of an existing commitment to reduce emissions by 10% in the financial year 2009/10. To achieve the 10:10 pledge, DECC is in the process of improving the energy efficiency of its lighting, air conditioning and IT system. Longer term, the Department is looking at generating its own low carbon electricity and connecting to the Whitehall district heating scheme.

Further information: [Click here](#)

Greece has a new independent Ministry for the Environment, Energy and Climate Change

Among the 4 main objectives of the new Ministry, as announced by the new Minister Ms. Tina Birbili on her first address to the Parliament on October 16, 2009, are climate change, as well as renewable energy sources and energy saving: "Greece must return back to European and International forums by participating directly in shaping policies on the environment and climate change. After Copenhagen we will take steps to shape together with other Mediterranean countries the necessary policy adjustments, as we will suffer the same from climate change. Our country will meet the target to produce 20% of energy from renewables."

Further information: [Click here](#)

Very positive results for the French Low Energy Buildings Plan

The French plan "Bâtiment Grenelle" aims at reducing buildings energy consumption and greenhouse gases emissions. This plan results from the "Grenelle Environment Forum" which elaborated in 2007 a roadmap for France regarding ecology, sustainable development and sustainable land settlement. This plan for low energy/low CO2 buildings was launched in January 2009. First results have been presented to the press by French Government on 28 October 2009. They show that the demand for low energy buildings labelling is 10 times higher than foreseen (20 000 dwellings in 2009), that 50 000 zero interest loans for energy renovation have been proposed to citizens and that 1,7 billion € will be dedicated in the next months to energy efficient building renovation, corresponding to 45 000 jobs mobilised.

Further information: [Click here](#)

Interact with BUILD UP



Also you can provide news for the BUILD UP Newsletter

Have you found some interesting news in the newsletter? Much more news is available in the [news section of BUILD UP](#). Also you can provide news for this portal. All you have to do is use the news upload template ([click here](#)) and your

information will be spread Europe-wide to interested readers.

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.

Subscribe - unsubscribe

If you want to regularly receive the BUILD UP news [click here](#) and subscribe to the BUILD UP newsletter.

The included texts in the newsletters are abstracts of the content of the BUILD UP portal.

The sole responsibility for the content of this newsletter and the related information lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.

