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## MoU signed with ISHRAE

On February 23<sup>rd</sup> 2012, at ACREX exhibition in Bangalore a Memorandum of Understanding was signed by the Federation of European Heating, Ventilation and Air-conditioning Associations (REHVA) and the Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE). The purpose of this Memorandum of Understanding (MoU) is to strengthen the relationship between REHVA and ISHRAE and to promote substantial and tangible actions to increase the co-operation between the two associations. If you are interested to participate in this co-operation, please contact Maija Virta or Olli Seppänen [oseppanen@rehva.eu](mailto:oseppanen@rehva.eu). REHVA plans to participate also in ACREX 2012 in Mumbai on March 6-8, 2013.

## REHVA annual reception in Chicago

REHVA hosted its annual REHVA reception at the Palmer House Hilton on Monday, 23 January 2012. That event took place in Chicago during the ASHRAE winter meeting. This reception provided a golden opportunity to network and exchange with other associations in the Heating, Ventilation, Air-conditioning and refrigeration field. More than 200 guests attended the cocktail. It was very successful!

## New REHVA Guidebooks

**HVAC in Sustainable Office Buildings - A bridge between owners and engineers**  
Editors: Maija Virta

**Contributing Authors:** Frank Hovorka, Andrei Litiu and Jarek Kurnitski

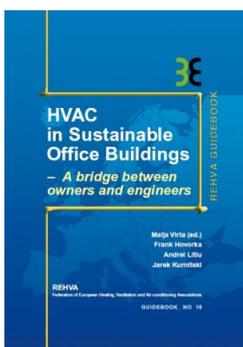
This book was created for building a bridge between the real estate community and the engineering community. It explains the challenges of property valuation based on real data and how the sustainability and HVAC-technology can have an impact on value. HVAC in Sustainable Office Buildings gathers the latest HVAC- and other technology used in sustainable buildings and gives some real case study examples. Maybe the most important part in terms of improved communication between the owners and engineers is the list of questions to be asked during the life time of a building. It is impossible to give the right answers in this book, but we can raise some pertinent questions. As climates and cultures are different, as well as existing building types and energy production, the same solutions do not solve problems universally.

## REHVA European HVAC Journal

The **April issue** of the REHVA Journal (3/2012) will focus on Effect of EPBD on HVAC systems and buildings - Articles are due by 20 February. The guest editor of this issue is Eduardo Maldonado - [ed.maldonado@netcabo.pt](mailto:ed.maldonado@netcabo.pt)

The **August issue** of the REHVA Journal (4/2012) will focus on Ventilation and Indoor air quality - Articles are due by 3 July. The guest editor of this issue is Bjarne W. Olesen - [bwo@byg.dtu.dk](mailto:bwo@byg.dtu.dk)

The **October issue** of the REHVA Journal (5/2012) will focus on Heat pumps and Renewable Energies - Articles are due by 3 September. The guest editor of this issue is Michael Schmidt - [michael.schmidt@ige.uni-stuttgart.de](mailto:michael.schmidt@ige.uni-stuttgart.de)



## EU-regulations

See also the [EU regulations section](#) of the REHVA website (to be updated soon)

[EPBD](#) - Energy performance of buildings directive: Framework of cost-optimal levels approaching final approval.

On 16 January 2012, the EU Commission issued the COMMISSION DELEGATED REGULATION (EU) supplementing Directive 2010/31/EU of the European Parliament and of the Council on the energy performance of buildings (recast) by establishing a comparative methodology framework for calculating cost-optimal levels of minimum energy performance requirements for buildings and building elements.

The regulation text is accompanied by guidelines (still a draft), which give the general calculation method and examples of primary energy and cost calculations. An example is shown at the end of this article. It is the text of the Regulation which is legally binding and which is directly applicable in the Member States. The guidelines are intended for facilitating the application of the Regulation.

### Energy Efficiency Directive EED

Extract from recent press release by the Danish presidency, 14 February 2012:

On Tuesday 14 February, EU Energy Ministers met in Brussels to discuss the Energy Efficiency Directive, tabled to ensure that the EU will reach its goal of reducing the level of energy consumption by 20 per cent by 2020. The Energy Council's deliberations were led by the Danish Minister for Climate, Energy and Building, Martin Lidegaard.

The debate established that there is political will among Member States to achieve agreement with the European Parliament on the Energy Efficiency Directive - in accordance with the request of the European Council, which on 30 January encouraged finalisation of negotiations by the end of June 2012. Achieving agreement will require serious willingness to compromise on the part of both the Council and the European Parliament - and is dependent on the European Parliament's readiness to initiate negotiations very soon.

EU states have asked for more flexibility in the law, raising concerns about binding measures such as a 1.5% energy saving obligation for energy suppliers. Although some adjustments are unavoidable, too much flexibility risk bringing Europe further away from its 20% efficiency goal.

### Ecodesign - new progress in regulations

- **Pumps and circulators** - news: The proposal for Ecodesign regulation for water pumps, introduced in Bulletin no. 6-2011, has been approved by the European Council on 10 February.
- **Boilers and water heaters** - news: After a long delay, the draft regulations for boilers (Lot 1) and water heaters (Lot 2) have proceeded, and the relevant documents for eco-design, labelling and testing and calculation of boilers and water heaters have been submitted to Member States for review in February 2012, and voting in Regulatory Committee is expected in spring 2012. The following information is taken from the draft regulation texts, with just a few explanatory notes added.

- **Boilers** - The scope of this Regulation should include boiler space heaters, cogeneration space heaters and heat pump space heaters providing heat to water-based central heating systems for space heating purposes, and boiler combination heaters and heat pump combination heaters providing heat to water-based central heating systems for space heating purposes and additionally providing heat to deliver hot drinking and sanitary water. These heaters are designed for using gaseous or liquid fuels, including from biomass to some extent, electricity and ambient or waste heat.  
So, the boiler regulation concerns a wide range of products, and for different products and product characteristics (seasonal space heating efficiency, water heating energy efficiency, sound power level and emissions of nitrogen oxides), the entry into force of requirements is different, starting from two years from entry into force of the Regulation, as given in Annex II of the draft regulation.

At the same time, the Commission has submitted a draft regulation establishing requirements for energy labelling of, and the provision of supplementary product information for heaters with a rated heat output  $\leq 400$  kW, packages of space heater  $\leq 400$  kW, temperature control and solar-only system  $\leq 400$  kW and packages of combination heater  $\leq 400$  kW, temperature control, solar-only system  $\leq 400$  kW and passive flue heat recovery devices.

- **Water heaters** - The scope of this Regulation should be limited to water heaters which are dedicated to providing drinking and sanitary hot water. Products providing heat both for space and water heating purposes should be covered by a separate Regulation.

From one year after this Regulation has entered into force the energy efficiency of water heaters shall not fall below the minimum values given in Annex I of the regulation. More stringent requirements shall enter into force two years after the first date.

Also for water heaters, a draft regulation for energy labelling has been submitted - The products to be covered are conventional water heaters, heat pump water heaters and solar water heaters with a rated heat output  $\leq 400$  kW, hot water storage tanks with a storage volume  $\leq 2\,000$  litres and packages of water heater and solar-only system.

### *The European commission has open a public consultation on Financial Support for Energy Efficiency in Buildings*

The consultation period is From 15/02/2012 to 18/05/2012 and targeted for Public authorities, Member States authorities, private organisations, industry associations, SMEs, citizens, consumer organisations, trade unions, NGOs, other relevant stakeholders and Citizens (inside and outside of the European Union).

The Objective of the consultation is to obtain the views of stakeholders on how the financial support for energy efficiency measures aimed at improving the energy performance of buildings, both at EU as well as at national/regional/local level, could be improved. You can find all details on: [http://ec.europa.eu/energy/efficiency/consultations/20120518\\_eeb\\_financial\\_support\\_en.htm](http://ec.europa.eu/energy/efficiency/consultations/20120518_eeb_financial_support_en.htm)

### *EU Ecolabel and Green Public Procurement Criteria for Office Buildings*

An updated summary of the discussion held during the 2nd AHWG for EU Ecolabel criteria for Office building that was held last 30th November 2011 in Brussels and the summary of the 2nd meeting for the development of GPP criteria for this product group that took place on Wednesday 18th January 2012 in Brussels are available on the official website: <http://susproc.jrc.ec.europa.eu/buildings/stakeholders.html> Contributions from the stakeholders play a key role in the development of this project and thus any feedback on these documents would be appreciated.

## IEE Call

Read more from REHVA Journal 2/2012  
<http://www.rehva.eu/en/02-2012>

The new Intelligent Energy Europe call for project proposals is open. In 2012, there will be € 67 million available for funding. Do not miss the opportunity to submit your ideas for projects in areas such as energy efficiency, renewable energy sources, clean transport and local energy investments!

The call closes on **8 May 2012** for all types of actions except the Build Up Skills initiative which has different deadlines.

The proposed project priorities 2012 are:  
 -Energy Performance Certification as a driver for step-by-step renovation: capturing the market

-Nearly Zero-Energy Buildings: transforming the existing building stock  
 -Building as designed: quality and compliance in construction

You can read more on the IEE II program on:

[http://ec.europa.eu/energy/intelligent/files/call\\_for\\_proposals/wp\\_2012\\_en.pdf](http://ec.europa.eu/energy/intelligent/files/call_for_proposals/wp_2012_en.pdf)

During the IEE II info day held on 24 January 2012, general presentations of the 2012 program were made. See: [http://ec.europa.eu/energy/intelligent/events/2012/european-info-day\\_en.htm](http://ec.europa.eu/energy/intelligent/events/2012/european-info-day_en.htm)

## Upcoming events

**Next REHVA Annual Conference and Meeting, 17-20 April 2012, Timisoara, Romania**

The conference will focus on HVAC Technology in Energy retrofiting.

More info at [www.rehva.eu](http://www.rehva.eu) or [www.rehva-am2012.ro](http://www.rehva-am2012.ro)



**NORDBYGG 2012, 20-23 March 2012, Stockholm, Sweden**

Visit [www.nordbygg.se](http://www.nordbygg.se)

**MCE - Mostra Convegno Expocomfort , 27 - 30 March 2012, Fiera Milano, Italy**  
**REHVA and AICARR seminar: HVAC in Zero Energy Buildings, Congress centre Stella Polare, Milan, 28 March 2012, 14.00 - 17.00**

[www.mceexpocomfort.it](http://www.mceexpocomfort.it)



**Light and Building, 15-20 April 2012, Frankfurt, Germany**

Please visit

[www.light-building.messefrankfurt.com](http://www.light-building.messefrankfurt.com)

**You are invited to the REHVA seminar, 16 April, 11.00 - 13.00**

light+building

**AIVC - Tightvent International Workshop Brussels, Belgium, 28-29 March 2012**

Please visit AIVC [www.aivc.org](http://www.aivc.org) or

TightVent [www.tightvent.eu](http://www.tightvent.eu) websites

for more information about the workshop.



**X. International HVAC+R Technology Symposium**

**Istanbul, Turkey, 30 April- 2 May 2012**

Registration are now open, please visit

[www.ttmd.org.tr/2012sempozyum/en](http://www.ttmd.org.tr/2012sempozyum/en)

for more information.



**7th International HVAC Cold Climate Conference**

**12-14 November 2012, Calgary, Canada**

For more information please visit the conference [website](#).

**CLIMA 2013**

**Prague, Czech Republic, 16-19 June 2013**

The 11<sup>th</sup> REHVA World Congress CLIMA

2013 will take place in Prague on 16-19

June 2013 with the theme of “Energy

Efficient, Smart and Healthy Buildings”.

Please visit [www.clima2013.org](http://www.clima2013.org)



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