

REHVA Office, 40 rue Washington, 1050 Brussels - Belgium www.rehva.eu - info@rehva.eu - Tel: +32-2-5141171
Editorial board: Jorma Railio, Ioan Silviu Dobosi, Frank Hovorka, Roberto Leucci, Lars Nielsen, Olli Seppänen

REHVA welcomes new supporters

The following companies have joined the reHVAClub of supporters in the beginning of the year 2013:

SMAY: Leading manufacturer that provides the solutions and devices in the range of ventilation.

SC CRIOMECSA: Leaders in montage and repairs of industrial installations.

Dosetimpex: one of the most important players on the installations for buildings market, contracting projects all over Romania.



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Good visibility of REHVA at ASHRAE winter meeting and AHR Expo 2013

The REHVA reception was well attended. It was the place to be on Monday afternoon January 28th. REHVA's president Michael Schmidt and our board members Karel Kabele (president elect), Jarek Kurnitski, Bjarne W. Olesen and REHVA's Secretary General Jan Aufderheijde were very happy to welcome all the guests. Those present raised their glasses to REHVAs' upcoming 50th anniversary and to congratulate Bjarne W. Olesens' election as an ASHRAE board member. REHVA's Seminar "Building Labeling in Europe, European Standardization to meet the Energy Performance Directive" was well attended, too. The seminar speakers reviewed the European initiatives to evaluate building energy performance and to couple energy use with environmental quality. All presentations will be available on www.rehva.eu.

REHVA European HVAC Journal

The **March issue** of the REHVA Journal (2/2013) will focus on Air Conditioning and Ventilation - The Guest Editor of this issue is Zoltan Magyar - zmagyar@invitel.hu.

The **June issue** of the REHVA Journal (3/2013) will focus on Zero energy buildings - The editor of this issue is Olli Seppänen - oseppanen@rehva.eu.

The **August issue** of the REHVA Journal (4/2013) will focus on Energy efficient ventilation and indoor environment - The editor of this issue is Olli Seppänen - oseppanen@rehva.eu.

REHVA Seminar during ACREX 2013

REHVA and ISHRAE will organize a seminar on energy efficient buildings at the ACREX exhibition on 7 March 2013 in Mumbai, India (from 11.00 to 13.30). The topic will be HVAC technology for low energy buildings - European experience. The programme is downloadable on the REHVA website www.rehva.eu.

REHVA Seminar during ISH

REHVA organize in collaboration with VDI-GBG a Seminar during ISH on Thursday 14 March 2013 (from 14.00 to 17.00) in Frankfurt, Germany. The topic will be school ventilation. Come and share your experience and expectations with zero energy buildings. The programme is downloadable on the REHVA website www.rehva.eu

Energy news – in Europe and the world

The world's cumulative solar photovoltaic (PV) electricity capacity surpassed 100 gigawatts (GW) in 2012, achieving just over 101 GW, according to new EPIA market figures. This global capacity to harness the power of the sun produces as much electricity energy in a year as 16 coal power plants or nuclear reactors of 1 GW each. Each year, the world's PV installations reduce CO2 emissions by 53 million tons. Read more about PV at the website of the European Photovoltaic Industry Association (EPIA) <http://www.epia.org/news/news/>

CO2 prices fell under 3 EUR/tonne. At the end of January 2013, EU carbon prices briefly slid 40% to a record low after politicians opposed plans to support the market, raising concern prices could hit zero and sending a warning to European governments to pull together in lowering carbon emissions. Prices in the EU's Emissions Trading Scheme on January 24 dropped to 2.81 EUR/tonne after a vote in the European Parliament's energy and industry committee opposing a scheme known as "back loading" to support prices by extracting allowances from the market and reinjecting them later. In volatile trade, prices later climbed back above 4 Euros.

3ENCULT brings forward innovation on photovoltaic glass

Integrating renewables in listed buildings is often a challenge. The 3ENCULT consortium looks for innovative, non-invasive solutions that can be applied ad hoc to selected cultural heritage buildings.

A new semitransparent photovoltaic glass with the thermal isolating properties required for windows has been developed by the 3ENCULT partner Grupo Unisolar / Soliker (G1S). Through the use of amorphous silicon technology, the photovoltaic material deposited on the glass is paired down or removed by a laser, making the glass translucent and enabling it to generate electricity at the same time. [More information](#)



Energy efficiency of HVAC systems – up to 25% electricity savings through participation in the EC funded iSERVcmb project

While it is becoming common to analyse the energy consumption in a building and invest in energy efficient technologies, HVAC systems are lagging behind. Their energy consumption disappears in the general electricity bill with separate meters seldom installed. The iSERVcmb Project is designed to encourage monitoring and establish energy benchmarks for HVAC systems. Now, half way through the project, interim findings from a UK building show total building electrical energy savings of around 25 % have been achieved as a result of focussing on the HVAC system control and operation. [More information](#)

National energy efficiency policies in EU

Read more [here](#) about the view of 750 experts

TA Hydronics seminar during CLIMA 2013

As [CLIMA 2013 platinum partner](#), TA Hydronics will offer a high level technical seminar on how HVAC systems can provide major and immediate savings, sharing their well-established experience in the HVAC industry & Hydronics systems. For more information about TA Hydronics, please visit www.tahydronics.com. For more information on CLIMA 2013, please visit www.clima2013.org.



NEW in Eco-design

Regulations approved:

COMMISSION DELEGATED REGULATION, supplementing Directive 2010/30/EU of the European Parliament and of the Council, with regard to the energy labelling of water heaters, hot water storage tanks and packages of water heater and solar device, was approved by the Commission on 18 February 2013.

The products to be covered are conventional water heaters, heat pump water heaters and solar water heaters with a rated heat output of ≤ 70 kW, hot water storage tanks with a storage volume of ≤ 500 litres and packages combining water heaters and solar devices. The timing of the introduction of energy labelling in two stages, two and four years after the entry into force of the Regulation, is accepted, in particular as the energy labelling timetable is aligned with the ecodesign (regulation still subject to final approval) timetable for water heaters and hot water storage tanks.

Energy efficiency classes ‘better than A’ are defined such that the energy efficiency classes A+/A++/A+++ correspond to a contribution of 35%/50%/60% of renewable energy sources to energy consumption with respect to energy efficiency class A (that is: the threshold between efficiency classes A and B is divided by 0,65, 0,5 and 0,4, respectively). A RES contribution of 50% and more can only be achieved by solar devices, consequently A++ and A+++ classes are only used for the package label.

Regulations for vote at the Regulatory Committee on 13 March 2013

COMMISSION REGULATION, implementing Directive 2009/125/EC of the European Parliament and of the Council, with regard to ecodesign requirements for space heaters and combination heaters. This Regulation establishes ecodesign requirements for the placing on the market and/or putting into service of space heaters and combination heaters with a rated heat output ≤ 400 kW, including those integrated in packages of space heater, temperature control and solar device or packages of combination heater, temperature control and solar device.

COMMISSION REGULATION, implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for water heaters, hot water storage tanks and packages combining water heaters and solar devices as defined in the energy labelling regulation of these products.

Ongoing studies started in 2012 and expected to be completed in 2014:

Lot 28 Ecodesign Preparatory Study on pumps for private and public waste water and for fluids with high solid content (ENER Lot 28). Project website:

<http://lot28.ecopumps.eu/>

Lot 29 Ecodesign Preparatory Study on pumps for private and public swimming pools, ponds, fountains and aquariums, as well as clean water pumps larger than those regulated under Lot 11 (ENER Lot 29). Project website: <http://lot29.ecopumps.eu/>

Lot 30 Special motors (not covered in Lot 11): Requirements for electric motors are specified in Regulation 640/2009. The aim of lot 30 is to identify improvement potential outside the scope of lot 11. Examples of such products are: Motors below 750 W and above 375 kW; Special-purpose inverter duty motors (asynchronous servo motors); Permanent magnet motors; Exceptions to Regulation 640/2009, specified in Article 1, point 2; and Drives, such as soft starters, torque or variable speed drives (VSD) from 200W-1 000kW. On the “Documents” page of the study, see <http://www.eco-motors-drives.eu/Eco/Documents.html> draft task reports and minutes from the second stakeholder meeting can be downloaded.

Lot 31 Compressors: Project website: <http://www.eco-compressors.eu/>. The first stakeholder meeting will take place on March 14 in Brussels.

Upcoming events

ACREX 2013

7-9 March 2013, Mumbai, India

REHVA will organise several workshops at this event. A special issue of the REHVA journal will also be distributed in collaboration with ISHRAE. www.acrex.org.in

For sponsoring contact: cd@rehva.eu



ISH

12-16 March 2013, Messe Frankfurt, Germany

ISH - The World's Leading Trade Fair for The Bathroom Experience, Building Services, Energy, Air Conditioning Technology and Renewable Energies - is the world's biggest exhibition for the combination of water and energy. Please visit the exhibition [website](#).

International Workshop on Securing the quality of ventilation systems in residential buildings: status and perspectives

18-19 March 2013, Brussels, Belgium

For additional information, please contact Stéphane Degauquier at sd@bbri.be

ISH China & CIHE 2013

8-10 April 2013, Beijing, China

The leading fair for the HVAC and sanitation industries in Asia. The exhibition, organised by Messe Frankfurt (Shanghai) Co Ltd and Beijing B&D Tiger Exhibition Co Ltd, is anticipating an even higher number of exhibitors and visitors than the 2012 edition. For more information, please visit the [website](#).

3ENCULT Workshop "Preserving community history through energy efficiency"

23 April 2013, Bologna, Italy

Historic buildings are the trademark of numerous European cities. Aiming to find an optimal balance of maintaining the site as a historical monument and applying energy efficiency retrofit measures requires a careful approach. For more information, please visit the [website](#) or contact ccp-europe@iclei.org.



Aqua-Therm Kyiv

14 - 17 May 2013, Kiev, Ukraine

The largest and best-known trade exhibition in Ukraine for the HVAC industry. For more information, please [click here](#).



CLIMA 2013

16-19 June 2013, Prague, Czech Republic

The 11th 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



Aqua-Therm Almaty

3 - 6 September 2013, Almaty, Kazakhstan

Welcome to the 5th Kazakhstan Anniversary International Exhibition for Heating, Ventilation Air-Conditioning, Water Supply, Sanitary, Environmental Technology and Swimming Pool. Please visit the exhibition [website](#).



CLIMAMED - Mediterranean Congress of Air Conditioning

3-4 October 2013, Istanbul, Turkey

Deadline for abstract submission is March 8, 2013. For more information, please visit the [website](#)



Aqua-Therm Baku

23 - 26 October 2013, Baku, Azerbaijan

Aqua-Therm Baku is becoming more and more popular amongst HVAC (heating, ventilation and air conditioning) professionals. [More information](#)



IAQ 2013 Conference

15-18 October 2013, Vancouver, Canada

[More information](#)



For more HVAC events, please check the REHVA Events Calendar on www.rehva.eu and also www.buildup.eu



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1050 Brussels, Belgium
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