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## HVAC in zero energy buildings

Presentations from the REHVA seminar in Frankfurt at ISH available at [www.rehva.eu](http://www.rehva.eu)

## REHVA Journal

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The *September issue* of the REHVA Journal (4/2011) theme is on Heat pumps and use of renewable energy sources - Articles due 31.7.2011. The guest editor of this issue is Ms Signhild Gehlin from Sweden - [gehlin@emtf.se](mailto:gehlin@emtf.se)

## REHVA annual meeting and conference

Tallinn, Estonia, May 18-21, 2011



REHVA annual meeting and conference will be hosted by the REHVA Estonian member EKVU. The conference will focus on Zero Energy Buildings and Eco-labelling of Buildings. See details at [www.rehva.eu](http://www.rehva.eu) or [www.ekvy.ee/rehvaam2011/](http://www.ekvy.ee/rehvaam2011/).



## REHVA Technical Seminar on Recast EPBD and other EU regulations

Brussels, Belgium, October 27, 2011

at "the Hotel" (old Brussels Hilton), for supporters and members - Please save the date.

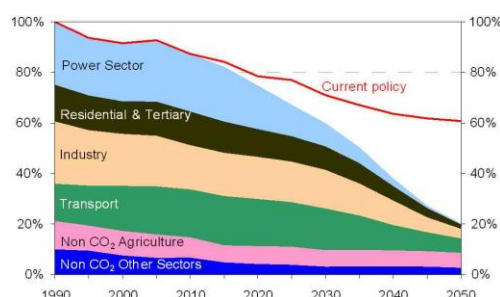
## EU energy policy

### EU roadmap towards low carbon economy

A roadmap for moving to a competitive low carbon economy in 2050 was adopted on March 8<sup>th</sup>, 2011 with the goal of EU GHG emissions towards an 80% domestic reduction (100% =1990)

The roadmap is available in all EU languages at:

<http://ec.europa.eu/clima/documentation/roadmap>



**Energy efficiency action plan/EEAP 2011** was adopted on March 8<sup>th</sup> by the Council

Background: EU will achieve only half of 20-20-20 targets by 2020 if it continues current policy and actions

Some new actions in the EEAP:

- Exemplary role of the public sector
- Accelerate the refurbishment rate of the building stock
- Public authorities should be required to refurbish at least 3% of their buildings each year
- Energy efficiency criteria to be included in public procurement
- Improve the energy performance of appliances
- Improve the efficiency of power and heat generation
- More smart grids and smart meters

[http://ec.europa.eu/energy/efficiency/action\\_plan/action\\_plan\\_en.htm](http://ec.europa.eu/energy/efficiency/action_plan/action_plan_en.htm)

### Cost optimal in Recast EPBD

The Commission is preparing a methodology to calculate cost-optimal level of energy performance regulations in the member states:

- The Commission has promised to publish the Guidelines for MS in July 2011
- The method will be based on the net present value method presented in EN 15459

Material from the first expert meeting is available at [http://ec.europa.eu/energy/efficiency/buildings/buildings\\_en.htm](http://ec.europa.eu/energy/efficiency/buildings/buildings_en.htm)

## **Eco-design regulations for energy related products – update April 2011**

*By Jorma Railio, FAMBSI, Finland*

**Lot 1 Boilers** - Working document for boilers and heat pumps was discussed at Regulatory Committee on 11 April. Comments still possible until 20 May 2011. [Link to most recent documents](#)

**Lot 10** - in January 2011 the first working document for ecodesign and ecolabel requirements, for residential ventilation products (heat recovery units, range hoods) plus the additional background material, was circulated for comments.

**Lot 11** - Eco-design regulation for Fans (125 W ... 500 kW) published, and the first tier of requirements will enter into force in the beginning of 2013, given as the minimum efficiency grade for six fan types. [Link to EU Official Journal](#)

[ENER Lot 20](#) Local room heating products and [ENER Lot 21](#) Central heating products - active again after some delay, first stakeholder meetings 18-19 April

**ENTR Lot 6** Air-conditioning and ventilation systems - second stakeholder meeting postponed, expected to be held in summer 2011 - [www.ecohvac.eu](http://www.ecohvac.eu)

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**Eco-design of Energy  
Related Products  
Directive (ErP –  
directive)**

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**New studies dealing with Ecolabels for products have started, including:**

Water taps and shower heads - this study may also result in Ecodesign regulation for those products

<http://susproc.jrc.ec.europa.eu/ecotapware/whatsnew.html>

Ecolabel for heating and cooling systems, also in preparation, scope to be defined. Stakeholder meeting planned for 22 June.

<http://susproc.jrc.ec.europa.eu/heating/index.html>

**Eco-design regulations for energy related products - working plan for 2012-14**

The Commission prepares the working plan for Eco design of energy related products (ErP -directive). More info and the reports available at: <http://www.ecodesign-wp2.eu>

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**Study for the Amended  
Working Plan  
[www.ecodesign-wp2.eu](http://www.ecodesign-wp2.eu) , for the  
"remaining energy-  
using and new energy-  
related product" has  
started**

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The study for the **Amended Ecodesign Working Plan** will provide the European Commission and the stakeholders of the Consultation Forum with background information and analysis in order to establish the (second) Working Plan. The Working Plan sets out an indicative list of product groups which are considered priorities for the adoption of implementing measures under the Ecodesign Directive.

The study is being carried out for the European Commission ([DG Enterprise and Industry](#)) by [VHK](#), The Netherlands. The study started mid November 2010 and is expected to deliver final results in October 2011.



### New important publication: Implementing the Energy Performance of Building Directive (EPBD) in the EU member states - status report April 2011

Editor: Eduardo Maldonado (Coordinator of Concerted Action EPBD)

This is to mobilise energy efficiency in EU buildings, but also a formidable and continuing challenge for many EU countries.

The Concerted Action EPBD (2007 - 2010) is organized around 5 Core Themes: Certification of Buildings, Inspections of Boilers and AC systems, Training of Experts, Procedures for Characterization of Energy Performance and Information Campaigns. This book contains an extended summary of the main outcomes of these sessions, including conclusions and recommendations, for each of the five main topics. The second part of this book features a collection of country reports. These reports will certainly allow the reader to get a good overview of how the directive is being implemented in practice all over Europe, including many points in common amongst the Member States, as well as specific differences between them.

## Upcoming events

### 32nd AIVC Conference and 1st TightVent Conference

“Towards Optimal Airtightness Performance “  
Hotel Crowne Plaza Brussels, Brussels, 12-13  
October 2011

[More information.](#)

#### TightVent

The TightVent Europe “Building and Ductwork Airtightness Platform” was launched in the beginning of 2011. It aims at facilitating exchanges and progress on building and ductwork airtightness issues, including the production and dissemination of policy oriented reference documents and the organization of conferences, workshops, webinars, etc

<http://tightvent.sympraxis.eu/>

### REHVA World Conference Clima 2013

Prague, Czech Republic, June 16-19, 2013

The Clima 2013 conference is available for sponsoring opportunities. For additional information, visit [the website](#) CLIMA 2013.



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