

3rd announcement

Brussels, Belgium

18-19 March 2013

International Workshop

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

Workshop description

While it is generally accepted that a ventilation system in a building—whether natural, mechanical or hybrid—is needed to provide acceptable indoor air quality and prevent building damage, there are debates about the actual performance of these systems and how the deviations observed affect the overall buildings performance and the well-being or safety and health of the occupants. These debates are increasingly active given the sensitivity of new and renovated buildings on energy use and indoor air quality depending on the field characteristics of ventilation systems.

This is the reason why several initiatives have arisen in the past few years either to characterize ventilation system installation performance in residential buildings or to improve their quality through voluntary or regulatory schemes. This has brought to light questions such as:

- What is the knowledge regarding the quality of ventilation systems in residential buildings in various countries?
- What is the status with existing approaches to improve the quality of these systems?
- What can we learn from targeted efforts to characterize or monitor real ventilation system performance?
- How can quality frameworks help improve the situation and how can they converge with existing regulations or programmes?

A major objective of this workshop is to discuss pros and cons of existing approaches as well as ways to explore to improve the situation with key experts from various countries. A major focus of the presentations will be on the schemes developed to secure the quality of the ventilation systems in residential buildings. This entails in particular the development of quality labels and performance display for products, qualification schemes for installers, design and installation guidelines, and training for designers and craftsmen, as well as the implementation of commissioning protocols, maintenance protocols, regular inspections and real performance measurements.

In addition to the workshop proceedings, an expected outcome of the workshop involves a critical review of the pros and cons of the approaches presented during the event, including proposals for improvements.

The workshop will begin **at 09:15 on Monday March 18 and end at 13:00 on Tuesday March 19**. It will be followed by another 1.5-day international workshop on ventilative cooling.

Organizers

The workshop is organized by **INIVE** (International Network for Information on Ventilation and Energy Performance, www.inive.org) on behalf of the **AIVC** (Air Infiltration and Ventilation Centre, www.aivc.org) and **TightVent** (Building and Ductwork Airtightness Platform, www.tightvent.eu).

This event is organized with the technical and/or financial support of the following organizations:



International Energy Agency
Energy Conservation in
Buildings and Community
Systems Programme



Provisional programme

Monday 18 March 2013

09.15 – 10.00 *Context, challenges and opportunities*

- General context (Peter Wouters, INIVE, Belgium)
- Welcome on behalf on the European Ventilation Industry Association (Stefan Wiesendanger, EVIA)
- Why we ventilate? (Max Sherman, LNBL, USA)

10.00 – 11.15 *Session 1: Compliance checks and quality guidelines*

- The role of standards to improve the quality of ventilation systems (Marc Jardinier, convenor of CEN TC 156 WG2, France)
- Technical guidelines for residential ventilation system operation (HealthVent project) (speaker to be confirmed by REHVA)
- Detailed analysis of regulatory compliance checks of the ventilation systems of 1287 dwellings (Romuald Jobert and Gaëlle Guyot, CETE de Lyon, France)

11.45 – 13.15 *Session 2: Quality of ventilation systems in residential buildings – Status and perspectives in various countries*

- Status and perspectives in the Netherlands (Kees de Schipper, VLA, the Netherlands)
- Status and perspectives in the United Kingdom (speaker to be confirmed)
- Status and perspectives in Korea (Yun-Gyu Lee, KICT, Korea)
- Status and perspectives in Belgium (Paul Van den Bossche, BBRI, Belgium)
- Status and perspectives in France (Laure Mouradian, CETIAT, France and Emmanuelle Brière, Uniclimate, France)

13.15 – 14.00 *Lunch*

14.00 – 15.30 *Session 3: Quality of ventilation systems in residential buildings – Status and perspectives in various countries*

- Status and perspectives in Sweden (Johnny Andersson, Ramböll, Sweden)
- Status and perspectives in Estonia (Targo Kalamees, Tallinn University of Technology, Estonia)
- Status and perspectives in Finland (Pertti Pasanen, University of Kuopio, Finland)
- Status and perspectives in Norway (speaker to be confirmed)

16.00 – 17.15 *Session 4: Examples of industry initiatives to improve the quality of ventilation systems*

17.15 – 19.00 *Reception (snacks and beverages)*

Tuesday 19 March 2013

09.00 – 10.10 *Session 5: Quality of ventilation systems in residential buildings – Status and perspectives in various countries*

- Status and perspectives in Germany (speaker to be confirmed)
- Status and perspectives in Poland (speaker to be confirmed)
- Status and perspectives in Romania (Ioan Silviu Dobosi, Dosetimpex, Romania)
- Status and perspectives in the United States (Max Sherman, LBNL, USA)
- Status and perspectives in Canada (Ian MacDonald, NRC, Canada)

10.10 – 10.30 *Session 6: Lessons from field studies*

Outcomes of a field study in the Netherlands (Atze Boerstra, BBA Binnenmilieu BV, the Netherlands)

11.00 – 12.30 Session 7 : Round table with stakeholders

In this session, several stakeholders (architects, building owners and managers, contractors, industry) will be invited to share their views and concerns with regard to the quality of ventilation systems

12.30 – 13.00 Workshop conclusions

Highlights of the workshop and perspectives

(Arnold Janssens, University of Ghent, Belgium)

Secretariat

For additional information, please contact Stéphane Degauquier at INIVE EEIG (c/o BBRI): Avenue P. Holoffe 21, B-1342 Limelette, Belgium ☎ +32.2.655.77.11 📠 +32.2.653.07.29 @✉ sd@bbri.be

Fee

The workshop fee is 302.50 € (VAT included). This fee includes participation to the workshop, documentation, the lunches and coffee breaks of the workshop days, and the reception at the end of the 1st workshop day.

In the case you would like to attend also the workshop ‘Ventilative cooling’ after the workshop ‘Securing the quality of ventilation systems in residential buildings: status and perspectives’, we will be very pleased to offer a discount of 20%. More information is also available on the AIVC, INIVE, TightVent and venticool websites.

Registration

Participants should enrol by returning the registration form available on the AIVC , INIVE, TightVent and venticool websites and pay the registration fee before March 1st, 2013.

Hotel accommodation

Hotel Floris Ustel Midi (*)** – 100 m from our offices

Square de l’Aviation 6-8, 1070 Brussels, Belgium

Phone : +32.2.548.98.38 - E-mail : reservations@florishotels.com

Reference to obtain the preferential rate: BBRI RATE 2013 – USTEL (limit date: Thursday 7 February)

Floris Ustel*** (breakfast and taxes included)	Special Corporate rates for single room	Special Corporate rates For double room
Sunday 17 March 2013	70 €	90 €
Monday 18 March 2013	120 €	140 €
Tuesday 19 March 2013	120 €	140 €
Wednesday 20 March 2013	120 €	140 €
Thursday 21 March 2013	70 €	90 €

The website www.hotelscombined.com can also be useful.

As this period is very busy due to other important international events in Brussels, we advise you to reserve your hotel as soon as possible.

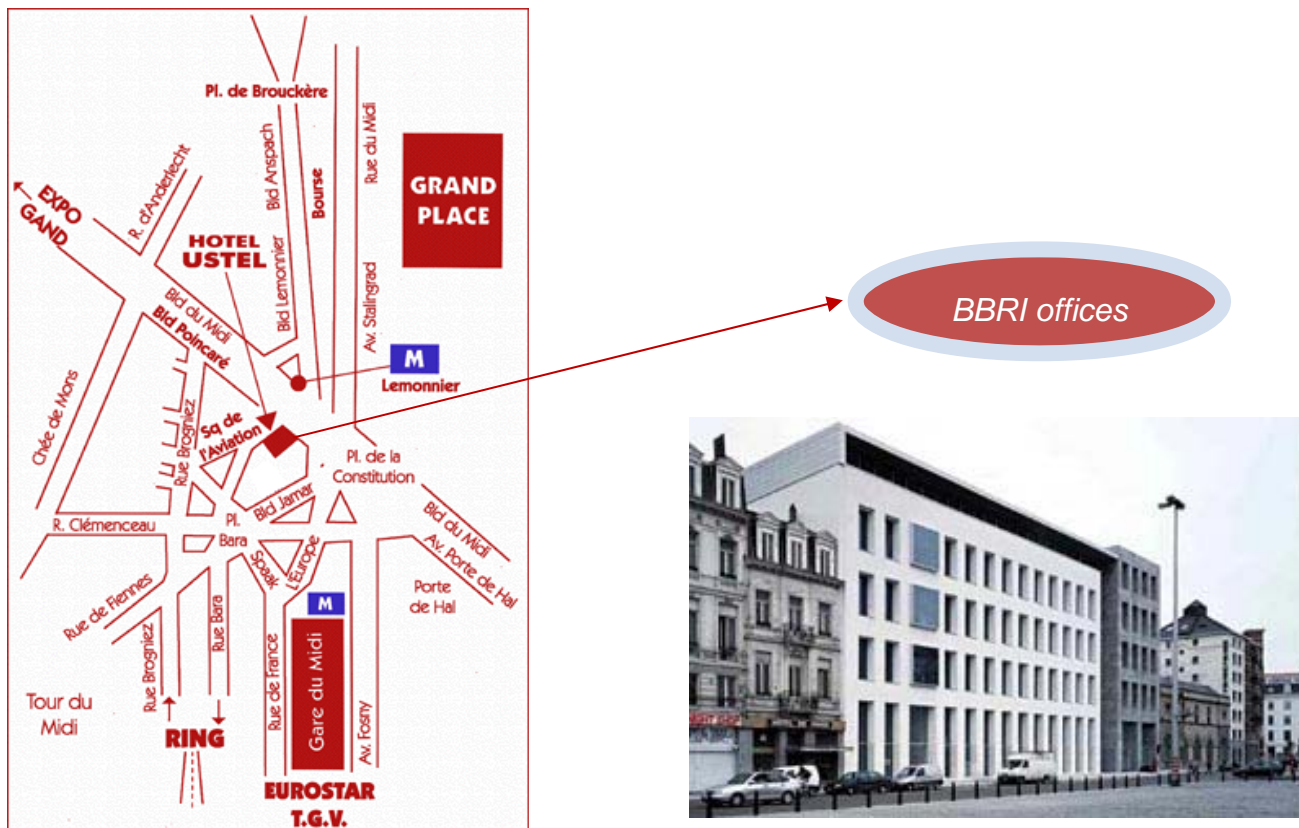
Language

English will be the official language. No translation is foreseen.

Venue

The workshop will take place in the offices of the Belgian Building Research Institute (CSTC-WTCB) Boulevard Poincaré 79, 1060 Brussels, Belgium.

It is within walking distance of Brussels South train station, and not far away from the city centre (10 min walking).



How to get to our offices

If you come by plane or by train, the easiest way to get to the hotel is to go take a train to Brussels South station (Brussel Zuid – Bruxelles Midi).

By plane: trains run to the South Station every 15 or 20 minutes train from Brussels National Airport to Brussels South Station. Journey time: approx. 30 minutes. Fare: approx. 2.50 €. You can also take a taxi from the airport, but according to your arrival time, it can take longer than by train, due to traffic jam.

By train: the high speed trains stop at Brussels South station. 5 minutes by foot from the Brussels South Station. From the main hall, follow the direction 'Tour du Midi – Zuidertoren' and walk along the railways till the Boulevard Poincaré. Our offices are located on your left side.

By metro (map enclosed): Line 3 – Stop at Lemonnier. 2 minutes by foot to our offices. Our offices are just in front of you.

Sponsoring

This workshop receives financial support from:

- the Flemish Energy Agency as part of a project dealing with the quality of ventilation systems in residential buildings
- the technological guidance service 'green building and sustainable development' of the Brussels Region financed by the Brussels Institute for Research and Innovation (InnovIRIS)
- EVIA (European Ventilation Industry Association) (www.evia.eu)
- Ventibel (Sector organisatie voor ventilatie – Fédération pour le secteur de la ventilation) (www.ventibel.be)

This workshop is also supported by REHVA.

