



New developments in design and characterisation of energy-efficient ventilation systems

Thursday 20 June 2024

15:00-16:30 (Brussels, BE)

09:00-10:30 (New York, USA)

14:00-15:30 (London, UK)

16:00-17:30 (Athens, GR)

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In recent years ventilation system design has seen a shift from design methods based on prescribed flow rates and standard lay outs, towards performance-based approaches which offer opportunities for smart ventilation concepts by considering what ventilation should achieve in terms of indoor air quality and energy efficiency.

This webinar aims to inform architects, engineers, building professionals and researchers on new developments in design and characterization of energy-efficient ventilation systems for dwellings. What new indicators and assessment methods have been developed in the research community? How can performance-based methods help to develop ventilation solutions for specific applications such as renovation of existing dwellings? Which new solutions and tools have been introduced by the ventilation industry to assist and inform designers?

This webinar is organised with the support of the Air Infiltration and Ventilation Centre (www.aivc.org) and facilitated by INIVE (www.inive.org).

Agenda (CET)

15:00	Welcome & Introduction Arnold Janssens (AIVC Operating Agent/Ghent University, BE)	15:35	Innovative ventilation systems easier to install for retrofitting dwellings Samuel Caillou, R&D Program Lead, Heating and Ventilation, Buildwise, Belgium
15:05	A Set of Health, Comfort and Energy Performance Indicators for (Smart) Ventilation Systems Klaas de Jonge, Ghent University, Belgium	15:50	Why an Indoor Air Performance label should matter more than an Energy label Yves Lambert, Chairman of the EVIA VPAT, Belgium
15:20	Overall performance assessment for smart ventilation: a robust methodology for ranking the systems and decision-making Baptiste Poirier, Cerema, France	16:05	Questions and answers
		16:30	End of the webinar





Air Infiltration and Ventilation Centre

Cost and registration

Participation to the webinar is free but requires you to register for the event. The webinar will be limited to a maximum of 1000 persons. To register, please click on the “Register now” button above.

What is a webinar?

A webinar is a conference broadcasted on internet. To follow a webinar you must have a computer with a sound card and speakers or headphones. Once logged in the "webinar room", you will be able to see the slides of the presentation and to hear the panellists' comments. You will also be able to ask written questions to the speakers, and to answer on-line surveys.

Hardware, software

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About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre (www.aivc.org) is one of the projects/annexes running under the International Energy Agency's Energy in Buildings and Communities (IEA-EBC) Programme. With the support of its member countries as well as key experts and two associations (REHVA, IBPSA, ISIAQ), the AIVC offers industry and research organisations technical support aimed at better understanding the ventilation challenges and optimising energy efficient ventilation.

The AIVC activities are supported by the following countries: Australia, Belgium, China, Denmark, France, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, Sweden, UK and USA.

About INIVE

INIVE (International Network for Information on Ventilation and Energy Performance) was created in 2001. The main reason for founding INIVE was to set up a worldwide acting network of excellence in knowledge gathering and dissemination. At present, INIVE has as member organisations Buildwise, CETIAT, Ghent University, IBP-Fraunhofer, KU Leuven.

INIVE is coordinating and/or facilitating various international projects, e.g. AIVC (www.aivc.org), TightVent Europe (www.tightvent.eu), venticool (<https://venticool.eu/>) and Dynastee (www.dynastee.info). INIVE has also coordinated the ASIEPI project dealing with the evaluation of the implementation and impact of the EU Energy Performance of Buildings Directive, the QUALICHECK project aiming towards improved compliance and quality of the works for better performing buildings, BUILD UP the European portal on Energy Efficiency and the EPBD feasibility study 19a.

