

AIVC & venticool webinar

Exploring window opening behaviour for optimal cooling and thermal comfort

Tuesday, March 26th, 2024

14:00-15:15 (Brussels, BE)

13:00-14:15 (London, UK)

15:00-16:15 (Athens, GR)

REGISTER NOW

FREE – Participation to the Webinar is free

Registration is required: A link to join the webinar will be included in the email confirmation

Occupants use windows to control their thermal comfort and indoor air quality (IAQ). However, occupants often have to make a compromise between thermal, acoustic and visual comfort, IAQ and energy use for space conditioning. Moreover, they are not only looking for good indoor environmental quality, but also for their needs for security and privacy.

This webinar aims to inform architects, engineers, building professionals and researchers on recent findings on user behaviour concerning window opening and its effect on cooling energy use and thermal comfort. How can a coaching tool help the occupants to know whether it is a good option to open or close their windows? What are the environmental and contextual drivers for opening and closing windows in residential buildings in summer? How can we integrate user behaviour regarding window opening into building energy simulation tools?

This webinar is organized by the Air Infiltration and Ventilation Centre - [AIVC](#) in collaboration with [venticool](#). The webinar is facilitated by [INIVE](#).

Programme (CET)

14:00 | Welcome & Introduction

Hilde Breesch, KU Leuven, Belgium

14:05 | Introduction to an IAQ and thermal comfort coach prototype to improve comfort and energy consumption thanks to adequate management of natural ventilation

Arnaud Jay, CEA Iiten/INES, France

14:20 | Coupling methodology of windows and ceiling fan occupant behaviour models with building energy models: a tropical case study

Maxime Boulinguez & Maäréva Payet, PIMENT Lab University of La Réunion/ Laboratoire d'Ecologie Urbaine Réunion, France

14:35 | Observing and modeling window states in French dwellings monitored during a summer with heatwaves

Mathilde Hostein, Cerema/ENTPE, France

14:50 | Questions and answers

15:15 | End of the webinar



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

Our webinars are powered by WebEx. The only thing you need is a computer with a sound card and speakers. Before you can log in the "webinar room", WebEx will install the required application. If you are not a WebEx user, please visit: <https://help.webex.com/en-us/article/810y08/Join-a-webinar> to check the system requirements and be informed on how to join a webinar. Please also join the event at least 10 minutes in advance.

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 venticool

The platform for resilient ventilative cooling, venticool (<http://venticool.eu/>) supports better guidance for the appropriate implementation of resilient ventilative cooling strategies as well as adequate credit for such strategies in building regulations. The platform philosophy is to pull resources together and to avoid duplicating efforts to maximise the impact of existing and new initiatives. venticool has been initiated by the International Network for Information on Ventilation and Energy Performance (INIVE) with the financial and/or technical support of the following partners: Agoria, Reyaners Aluminum, Velux and WindowMaster.

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.

