

AIVC & venticool webinar

Design and performance assessment of Ventilative Cooling

Thursday, March 21st, 2024

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

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

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

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FREE – Participation to the Webinar is free

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

Ventilative cooling emerges to be a key element in the strategy to meet the cooling demand in buildings while cutting the CO₂ emissions. Ventilative cooling also enhances thermal comfort and mitigates heat stress in buildings. Despite these benefits, the practical adoption of ventilative cooling remains limited among designers. There is still a need for design guidelines and assessment methods in standard weather conditions, extreme scenarios (such as heat waves) and urban environments.

This webinar aims to inform architects, engineers, building professionals and researchers on recent findings on design and performance assessment of ventilative cooling. What is the influence of the urban environment with low wind speeds and solar obstructions on the performances of ventilative cooling? How to consider these effects in performance calculations? How to include ventilative cooling in the calculations for renewable energy for cooling? What are practitioners' perspectives of and experience with ventilative cooling design?

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 | **Urban context and climate change impact: a case-study in Athens**

Maria Kolokotroni, Brunel University London, UK

14:20 | **Performance Potential for Ventilative Cooling: Renewable Status and Design Stage Assessment in Ireland**

Adam O' Donovan, Munster Technological University, Ireland

14:35 | **Designing Ventilative Cooling: Summary findings from an exploratory practitioner survey and expert interviews with building design professionals in Ireland and the United Kingdom**

Maha Sohail, Munster Technological University, Ireland

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, Ryaners 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.

