

# AIVC & venticool webinar

## Improving thermal resilience of buildings to overheating: Lessons learned

**Monday, May 5<sup>th</sup>, 2025**

14:00-15:30 (Brussels, BE)

13:00-14:30 (London, UK)

15:00-16:30 (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

Climate change is leading to increasingly frequent and severe heatwaves, which elevate the risk of human thermal stress in indoor environments. These conditions can make buildings uninhabitable during extreme events and long after they have passed. Therefore, it is crucial to design future-proof buildings and systems that can withstand such shocks and mitigate their impact on human well-being. This performance is known as thermal resilience to overheating.

Currently, resilience is not considered in building design practice, and there is no existing framework in building standards to address these shocks.

This webinar will present the findings of the Flemish project ReCOVer++, conducted by KU Leuven, Ghent University, Renson, Archipelago, and Arcadis Belgium. We will introduce a novel indicator for assessing the resilience of buildings and discuss an adapted workflow for designing buildings and sizing systems to ensure their resilience to overheating.

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 | **ReCOVer++ project: wrap up**

Hilde Breesch, KU Leuven, Belgium

### 14:15 | **A novel indicator to assess thermal resilience of buildings to overheating**

Douaa Al Asaad, KU Leuven, Belgium

### 14:30 | **How to design a resilient building? Lessons learnt from an architectural view**

Joost Declercq, Archipelago, Belgium

### 14:45 | **Exploring the effect of different measures on thermal resilience: implications for design of HVAC systems and energy use**

Debora Resta, Arcadis, Belgium

### 15:00 | **Questions and answers**

### 15:30 | **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 or a smartphone or tablet. 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/8l0y08/Join-a-webinar> to check the system requirements and be informed on how to join a webinar. We recommend you to join the event 5...10 minutes in advance.

## About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre ([www.aivc.org](http://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 various 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, Canada, 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, Reyner 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, Cerema, CETIAT, Ghent University, IBP-Fraunhofer, KU Leuven. INIVE is coordinating and/or facilitating various international projects, e.g. AIVC ([www.aivc.org](http://www.aivc.org)), TightVent Europe ([www.tightvent.eu](http://www.tightvent.eu)), venticool (<https://venticool.eu/>) and Dynastee ([www.dynastee.info](http://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.

