



Air Infiltration and Ventilation Centre

Improving Indoor Air Quality in Schools

Thursday 4 December 2025

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

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

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

09:00-10:30 (Montreal, CA)

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In this webinar studies from four different countries are presented to document and analyse the Indoor Air Quality (IAQ) in schools based on monitoring of various indoor environmental parameters, including PM and CO₂. Schools represent crucial environments due to children's extended exposure and increased vulnerability to air pollution. Therefore, studying the school environment allows to develop evidence-based strategies to minimise exposure to indoor air pollution and enhance children's health and well-being.

The Irish study characterises the variation of key indoor air pollutants in naturally ventilated classrooms, concentrating on identifying the building and occupancy-driven factors influencing IAQ. In the Canadian study a controlled intervention method was applied to determine the effectiveness of portable air cleaners in reducing indoor air contaminants in schools. The British study has used a citizen science approach to create a network of air quality monitoring in schools across the UK, providing a big data set allowing for representative analysis of conditions within UK schools. Finally, the German study used an observational approach to investigate the influence of three different ventilation concepts in real school operations on Indoor Environmental Quality.

Together, these studies provide new insights into the challenges of improving air quality in schools and the contribution of ventilation concepts and air cleaning technologies.

This webinar is organised by the AIVC (www.aivc.org) and facilitated by INIVE (www.inive.org).

Agenda (CET)

15:00	Welcome & Introduction Arnold Janssens (AIVC/UGent, BE)	15:45	Improving air quality in UK schools: SAMHE – Schools' Air quality Monitoring for Health and Education Henry Burridge (Imperial College London, UK)
15:05	Indoor Air Quality in Naturally Ventilated Classrooms and Offices James A. McGrath (Maynooth University, IE)	16:00	Questions and answers & Closing
15:20	Questions and answers	16:05	Ventilation concepts in classrooms: Results of a long-term study in three elementary schools, Arno Dentel (Technische Hochschule Nürnberg DE)
15:25	A controlled intervention study in two schools: impact and benefits of the air cleaning measures implemented Grace Zhou (NRC, CA)	16:20	Questions and answers
15:40	Questions and answers	16:30	End of webinar





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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.

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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 various associations (REHVA, IBPSA, ISIAQ, EVIA...), 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, Greece, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, 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, Cerema, 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.

