WEBINAR

Energy-Efficient Ventilation Design with Energy or Heat Recovery

TUESDAY 1 DECEMBER 2026

13:00–14:30 Brussels, BE
12:00–13:30 London, UK
07:00–08:30 Montreal, CA
21:00–22:30 Tokyo, JP

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Registration required • Free participation • A link to join the webinar will be included in the email confirmation

Why this webinar

In well-insulated buildings, a major part of heating and cooling needs is caused by ventilation (outdoor air intake). Therefore, energy recovery ventilation (ERV) or heat recovery ventilation (HRV) has become a popular solution to comply with advanced energy performance and ventilation requirements in many countries. However, to successfully reduce the energy use in buildings, the design of ventilation systems with ERV or HRV requires careful consideration of air balances, air leakage, specific fan power, etc., as well as part-load characteristics of heating and cooling sources such as heat pump systems. Furthermore, HRVs and ERVs face specific challenges and can have variable results in extreme cold climates. This webinar is designed to provide audiences with recent insights on ERV or HRV.

This webinar is organised by the AIVC. The event is facilitated by INIVE.

Agenda (CET)

13:00	Overview of AIVC's Technical Note No.75 "A design guideline of energy recovery ventilation to improve actual contribution to energy saving in buildings" *Takao Sawachi · The Building Center of Japan, Project Leader of AIVC TN 75, Japan*	
13:20	Theory and experimental research to develop a method to estimate energy recovery efficiency under different conditions of airflow rates through ERVs *Tetsutoshi Kan · Center for Better Living, Japan*	
13:35	NRC's Advances to Residential Heat/Energy Recovery Ventilation Systems *Boualem Ouazia · National Research Council Canada* *Patrique Tardif · National Research Council Canada*	
13:55	Residential Heat Recovery Ventilation design procedure and technical solutions for new buildings and renovation – REHVA GB25 *Jarek Kurnitski · Tallinn University of Technology, REHVA Technology and Research Committee, Estonia*	
14:10	Q & A *Moderator: Arnold Janssens · AIVC Operating Agent, INIVE/Ghent University, Belgium*	
14:30	End of webinar	

Cost and registration

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

What is a webinar?

A webinar is a conference broadcast over the 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 panelists’ comments. You will also be able to ask written questions to the speakers, and to respond to online 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 the WebEx help page to check the system requirements and be informed on how to join a webinar. We recommend you join the event 5…10 minutes in advance.

About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre 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 optimizing 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

The International Network for Information on Ventilation and Energy Performance (INIVE) was created in 2001 to establish a worldwide network of excellence for knowledge gathering and dissemination. Its current member organisations are Buildwise, Cerema, CETIAT, Ghent University, IBP-Fraunhofer and KU Leuven.

The organisation coordinates and/or facilitates various international projects, including AIVC, TightVent, venticool and Dynastee. It also operates the EBC Executive Committee Support and Services Unit (ESSU), on behalf of the Executive Committee of the Energy in Buildings and Communities (EBC) Technology Collaboration Programme (TCP) of the International Energy Agency (IEA). In addition, INIVE has 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.