

1-2 April 2025, Workshop, Stuttgart,  
"Indoor Environmental Quality in Sustainable Buildings"

# Overview of AIVC, TightVent, Venticool and IEQ-GA

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**Welcome on behalf of AIVC (1979 - ...)**  
the International Energy Agency's information  
centre on energy efficient ventilation



Australia



Belgium



Canada



Denmark



France



Ireland



Italy



Japan



Netherlands



New Zealand



Norway



Republic of Korea



Spain



Sweden



United Kingdom



United States of  
America

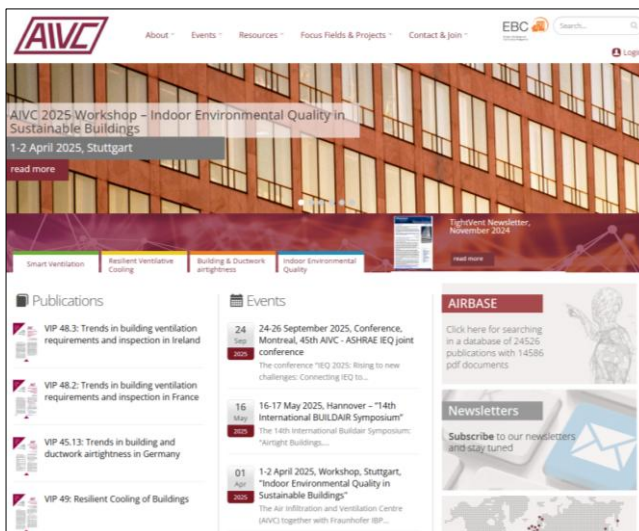
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## Some history

- 1970's: Limited interest and almost no knowledge on ventilation, air infiltration and indoor air quality in most countries
- Few countries were ahead: Sweden, Canada, Netherlands, ...
- In 1977 IEA created Technology Collaboration Programme **EBC: Energy in Buildings and Communities**
- Since then, over 90 collaborative projects ("Annexes") have been started with a typical duration of 4...5 years
- AIC (Air Infiltration Centre) **was created in 1979** as IEA-EBC Annex 5
- 1986: AIC became **AIVC 'Air Infiltration and Ventilation Centre'**

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## Today



[www.aivc.org](http://www.aivc.org)

- The **vision** of AIVC is to be the world's primary information centre on energy efficient ventilation for good indoor air quality in buildings.
- The **mission** of AIVC is to advance the worldwide knowledge and practice of energy efficient ventilation and air infiltration control of buildings, in close collaboration with other leading organisations.
  - Leveraging international technical expertise
  - Facilitating information exchange between experts in research, industry and policy making.

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# Focus fields and projects



Smart Ventilation



Resilient  
Ventilative Cooling



Building and ductwork  
airtightness




Indoor Environmental  
Quality




AIVC Projects

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Events



Conferences



Workshops



Webinars

- **Annual conferences** in collaboration with TightVent and venticool platforms
- **Annual workshops** in collaboration with local hosts on themes of local interest
- **Webinars** presenting results of projects or publications.

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## IEQ 2025 Conference, Co-Organized by ASHRAE and AIVC

September 24-26, 2025

Montreal, Quebec, Canada



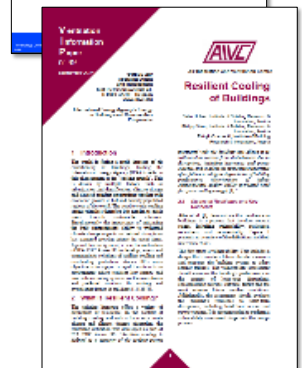
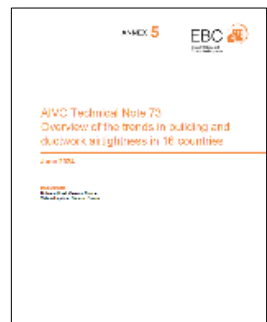
REGISTER NOW!

Rising to new challenges: Connecting IEQ to a sustainable future

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## Publications and webinars: examples

- TN 68: Residential Ventilation and Health
- TN 73: Overview of the trends in building and ductwork airtightness in 16 countries
- VIP 38: What is smart ventilation?
- VIP 49: Resilient Cooling of Buildings
- Webinar: Energy Performance of Gas Phase Air Cleaning
- Webinar: Recent standards and guidelines on CO<sub>2</sub> application and interpretation



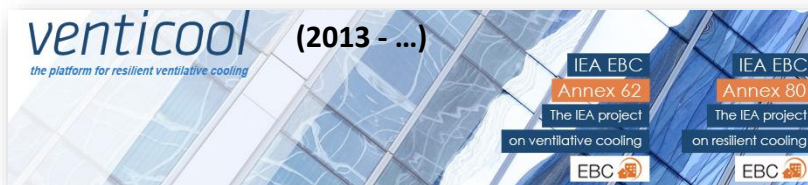
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# Germany, AIVC and IEA-EBC

- Participating country in IEA-EBC (25 countries in total)
- AIVC member country
  - 1985-2000
  - 2011-2016
- Host of 30<sup>th</sup> AIVC Conference, Berlin, 2009
  - Trends in High Performance Buildings and the Role of Ventilation
  - together with the “4th International Symposium on Building and Ductwork Airtightness” .
- Host of AIVC workshop, Stuttgart, 2025
  - Indoor Environmental Quality in Sustainable Buildings

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## 2 other related platforms managed by INIVE



Both platforms have a strong market oriented approach with active involvement of industry and practitioners



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More focusing on knowledge generation aspects



More focusing on awareness raising and market implementation



...Building and ductwork airtightness...

...Resilient ventilative cooling...

*venticool*

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## IEQ-GA



- Indoor Environmental Quality – Global Alliance
  - Interdisciplinary, international working group of societies interested in IEQ, to stimulate activities that will help to improve the actual IEQ in buildings
  - Created in 2019, with AIVC as founding member
- 11 full and 2 affiliate members, eg AIVC, ASHRAE, REHVA, ASA, ISHRAE,...
- Example actions:
  - Website information centre: <https://ieq-ga.net/>
  - IEQ-GA – Air Infiltration, Ventilation and Air Conditioning Glossary
  - Joint task force on COVID-19

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# Thank you!

- Speakers
- Fraunhofer Institut für Bauphysik
- Heinz Trox Foundation
  
- You: the audience!