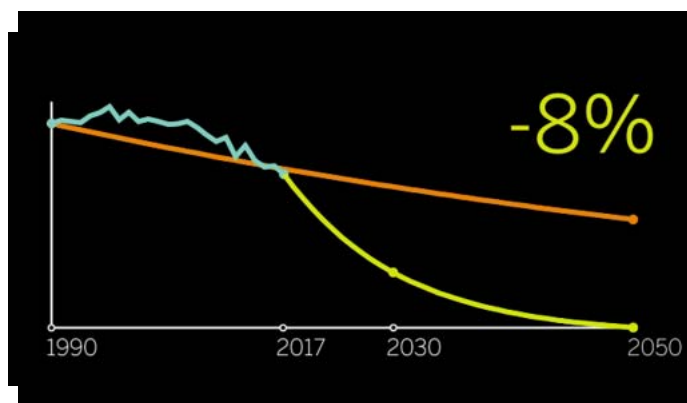


Ventilative cooling in buildings: now & in the future

Hilde Breesch (KU Leuven Technology Campus Ghent)

context

- Evolution of CO₂ emission in Belgium



Workshop

- Objective
 - Discuss implementation of ventilative cooling & its role to ensure good thermal summer comfort in buildings
- Topics
 - Design guidelines
 - Solutions & technologies
 - EPBD calculations & recommendations for standards
 - Future challenges & opportunities
- 2 parts
 - Outcomes of IEA EBC Annex 62 Ventilative cooling
 - Broader Scene and Future International Collaboration

3

Programme Outcomes of IEA EBC Annex 62

	Title	Speaker
9:45	Introduction to Annex 62 – Interactive voting	Per Heiselberg
10:05	Design Guidelines	Annamaria Belleri
10:25	National energy performance calculation methods	Michal Pomianowski
10:45	Solutions and technologies	Theofanis Psomas, Hans Martin Mathisen
11:05	break	
11:30	Implementing technologies in a kindergarten and a lecture room	Guilherme Carrilho da Graça, Maria Kolokotroni
11:50	Lessons learned from actual buildings	Paul O'Sullivan
12:10	Interactive voting	Rémi Carrié
12:25	Panel discussion: ventilative cooling in practice	Peter Holzer, Ivan Pollet, Bruno Deraedt, Wout Parys, Erik Smeets, Hilde Breesch
13:05	Lunch	

Programme Broader Scene & Future collaboration

	Title	Speaker
14:05	Future challenges and opportunities	Peter Wouters
14:25	Recommendations and challenges for CEN and ISO standards	Christoffer Plesner
14:45	Interactive voting	Rémi Carrié
14:55	Panel discussion: the role of ventilative cooling to guarantee good thermal summer comfort	Flourentzos Flourentzou, Karsten Duer, Hendrik-Jan Steeman, Ann Van Eycken Per Heiselberg
15:30	break	
16:00	Future international research: Resilient cooling	Peter Holzer
16:15	Group discussion	Peter Holzer
16:50	Closing remarks	Per Heiselberg
17:00	reception	

5

venticool
the international platform for ventilative cooling



IEA EBC
Annex 62
The IEA project
on ventilative cooling
EBC

Brussels, Belgium
23 October 2017

Ventilative cooling in buildings: now & in the future
International Workshop

Peter Wouters and François Rémi Carrié
INIVE EEIG



venticool
the international platform for ventilative cooling

venticool is the international ventilative cooling platform launched in October 2012 to accelerate the uptake of ventilative cooling by raising awareness, sharing experience and steering research and development efforts in the field of ventilative cooling.

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IEA EBC Annex 62
The IEA project on ventilative cooling
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- Register now for the ventilative cooling workshop on October 23, 2017
- Keynote speakers/topical sessions/list of accepted papers at the 38th AIVC – 6th TightVent – 4th venticool joint

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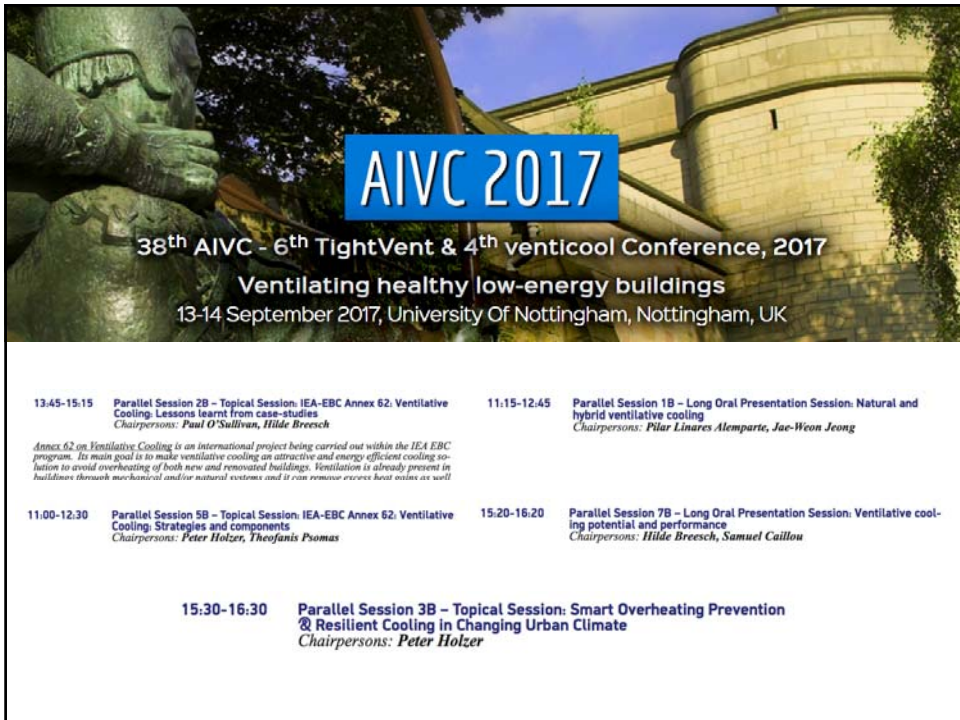
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AIVC 2017
38th AIVC - 6th TightVent & 4th venticool Conference, 2017
Ventilating healthy low-energy buildings
 13-14 September 2017, University Of Nottingham, Nottingham, UK

<p>13:45-15:15 Parallel Session 2B – Topical Session: IEA-EBC Annex 62: Ventilative Cooling. Lessons learnt from case-studies <i>Chairpersons: Paul O’Sullivan, Hilde Breesch</i></p> <p><i>Annex 62 on Ventilative Cooling is an international project being carried out within the IEA EBC program. Its main goal is to make ventilative cooling an attractive and energy efficient cooling solution to avoid overheating of both new and renovated buildings. Ventilation is already present in buildings through mechanical and/or natural systems and it can remove excess heat rates as well</i></p>	<p>11:15-12:45 Parallel Session 1B – Long Oral Presentation Session: Natural and hybrid ventilative cooling <i>Chairpersons: Pilar Linares Alamparte, Jae-Woon Jeong</i></p>
<p>11:00-12:30 Parallel Session 5B – Topical Session: IEA-EBC Annex 62: Ventilative Cooling. Strategies and components <i>Chairpersons: Peter Holzer, Theofanis Psomas</i></p>	<p>15:20-16:20 Parallel Session 7B – Long Oral Presentation Session: Ventilative cooling potential and performance <i>Chairpersons: Hilde Breesch, Samuel Caillou</i></p>
<p>15:30-16:30 Parallel Session 3B – Topical Session: Smart Overheating Prevention & Resilient Cooling in Changing Urban Climate <i>Chairpersons: Peter Holzer</i></p>	



AIVC 2018
 5th venticool conference

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*Specific sessions foreseen on ventilative cooling, summer comfort, overheating prevention, etc.
 Call for papers to come*

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