

venticool
the international platform for ventilative cooling

IEA EBC Annex 62
The IEA project on ventilative cooling
EBC

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Dear visitor,
Welcome to this combined website of the **venticool platform** and of **IEA EBC Annex 62 – Ventilative Cooling**

★ **Submit your abstracts for the 58th AIVC conference – Extended deadline March 1, 2017**

The abstract submission deadline for the 58th AIVC – 6th TightVent – 4th venticool conference: “Ventilating healthy low-energy buildings” to be held in Nottingham, UK on September 13-14, 2017 has been extended. The extended deadline for abstract submission is now March ...
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Recent updates

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- venticool newsletter February 2017, now available!
- New release: Energy Efficiency and Indoor Climate in Buildings
- 15-19 May 2017, Lisbon – IEA EBC Annex 62 “Ventilative Cooling” Summer course
- Feedback from the IEA EBC

venticool partners
The Ventilative Cooling Platform is at present supported by:

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4th QUALICheck Conference
Brussels – 21 February 2017
Ivan Pollet : Venticool – Agoria Naventa

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★ **venticool newsletter February 2017, now available!**

The ninth issue of the venticool newsletter (February, 2017) is now available for download. Contents include: Foreword IEA-EBC Annex 62 Ventilative cooling Symposium, Vienna, October 14, 2016 Feedback from the IEA EBC Annex 62 Ventilative Cooling expert meeting in Vienna, October 12-14, 2016 13-14 September 2017 ...
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- IEA EBC Annex 62 Ventilative Cooling Symposium Vienna, Oct 14, 2016 – Presentations available
- QUALICheck webinar recordings now available

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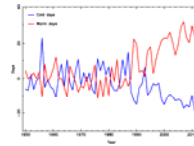
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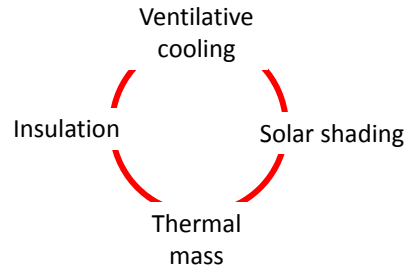
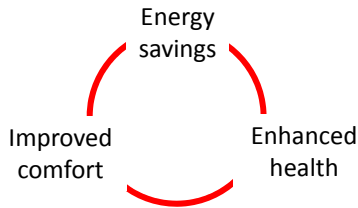
- **International platform** formed in 2012 focusing on ventilative cooling issues
- **Ventilative cooling** = use of ventilation strategies to cool indoor spaces, mostly by means of increased ventilation airflow rates
- **Overall goal of platform** = mobilize the ventilative cooling potential in terms of energy conservation, health, and comfort

Ventilative cooling



Multifunctional technology

Essential part of sustainable summer comfort strategy: holistic approach



Fits well within the EPBD goal = high potential

Ventilative cooling: regulation/standards must stimulate



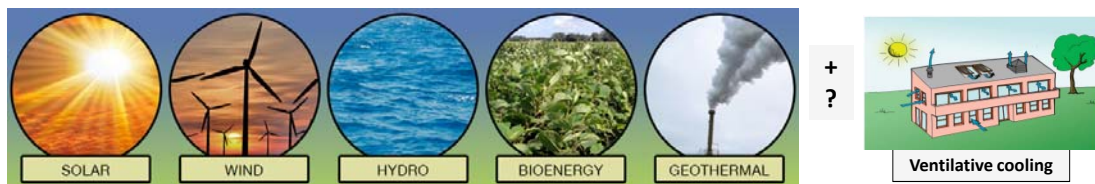
Source: Venticool report 2015, Provisions for ventilative cooling, Kapsalaki M. and venticool webinars

Classical CATCH 22 – we need to break that
Regulations are the key!

Ventilative cooling: regulation must be fair

Renewable energy = transformed solar energy (PV, collector, heat pump, biomass, ...) = obliged

Renewable not transformed energy (~ ventilative cooling) = not obliged ?!

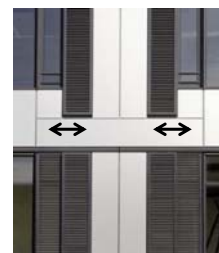
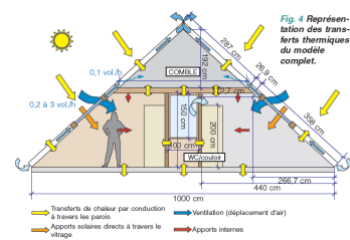


VC is pure renewable energy by nature, but not by law !

Ventilative cooling: fits well within renovation

= mostly part of the **building envelope**

= first step within the process



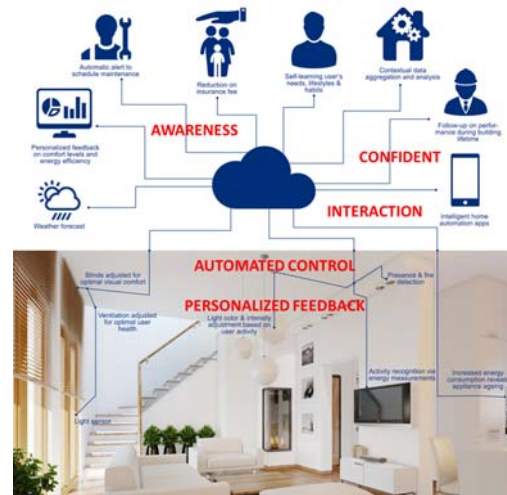
Ventilative cooling = ready smart technology

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Non-residential



Residential



Conclusions

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Europe needs sustainable energy

+

Avoiding overheating is a major challenge

+

(Smart) ventilative cooling technologies are available

BUT ... regulation is a barrier rather than an incentive