



Washington DC area - USA
18-19 April 2013

AIVC Airtightness Workshop

3rd TightVent Workshop on Building and Ductwork Airtightness

**Design, Implementation, Control and Durability:
Feedback from Practice and Perspectives**



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This event is organized with the technical and/or financial support of the following organizations:





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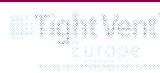
AIVC Airtightness Workshop

3rd TightVent Workshop on Building



NIST

National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce



ig organizations:



National Institute of
BUILDING SCIENCES
U.S. Department of Commerce



Air Infiltration and Ventilation Centre

Created in 1979



Max Sherman
LBL

***USA is a member
from the start...***



Andy Persily
NIST



The IEA Information Centre on Energy Efficient Ventilation

2011: 12 member countries

2012: 15 member countries

2013: 16...17 member countries



Why so much attention to ventilation and infiltration ?

Before 2020 :
Many countries will impose
near zero energy buildings

↙ **BUILD Tight** ↘
VENTILATE Right

Building Airtightness
will implicitly become a
mandatory point
of attention



Energy efficient
ventilation
systems will become
mandatory

AIVC Projects

Envelope air leakage databases

Philosophy on airtightness requirements

Quality approaches for building airtightness

How tight and insulated ducts should be?


Durability aspects of airtightness

Ventilative cooling

Ventilation needs and health

Steps to improve the quality of residential ventilation systems


International Energy Agency



air infiltration and ventilation centre

IEA ECBCS Annex 5

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International workshop
Building and Ductwork
Airtightness
Washington DC, USA 18-19
April 2013

AIVC Conference 2013
Athens, Greece
25-26 September 2013

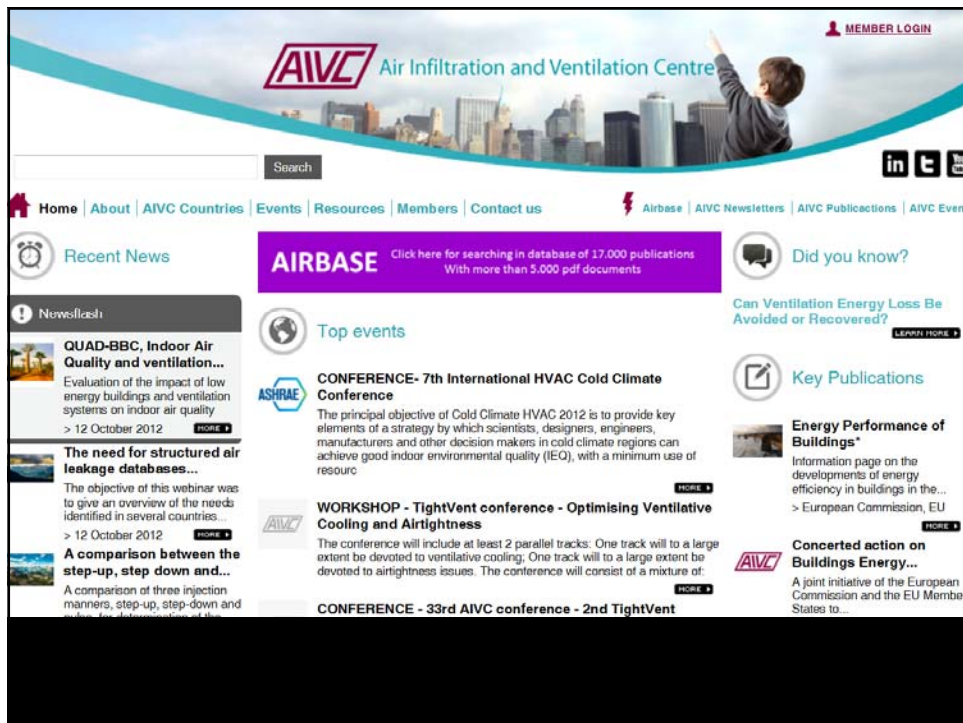
Webinar - Demand-Controlled
Ventilation in the European context:
approaches in 4 countries and at EU
level - Presentations available

Workshop on Large scale national
implementation plans for building
airtightness assessment -
Proceedings available

TN 66 - Building air leakage databases
in energy conservation policies; analysis
of selected initiatives in 4 European
countries and the USA

Bibliographic Database: More than
5600 documents available online

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***International workshop on
quality of ventilation systems
Brussels
March 18 2013***

***International workshop
on ventilative cooling
Brussels
March 19-20 2013***

Energy conservation technologies for mitigation
and adaptation in the built environment:
The role of ventilation strategies and smart materials

25-26
September 2013

Divani Caravel Hotel
Athens, Greece

34th AIVC Conference
3rd TightVent Conference
2nd Cool Roofs⁺ Conference
1st venticoool Conference

Deadline for submission of abstracts: May 1



AVC

Washington DC area - USA
18-19 April 2013

**International Energy Agency
Energy Conservation in
Buildings and Community
Systems Programme**

**Energy Technology
Network**

Energy Conservation in Buildings and Community Systems Programme

This event is organized with the technical and/or financial support of the following organizations:

Richard Karney

U.S. DEPARTMENT OF ENERGY

INIVE


TightVent

ASHRAE

NET

Energy Technology Network

National Institute of Building Sciences



IEA Energy Conservation in Buildings & Community Systems


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The ECBCS Research Programme

The IEA (International Energy Agency) Energy Conservation in Buildings and Community Systems (ECBCS) Programme carries out research and development activities toward near-zero energy and carbon emissions in the built environment. The R&D activities focus on the integration of energy-efficient and sustainable technologies into healthy buildings and communities. ECBCS projects and activities have produced long-lasting decision-making tools and integrated systems technologies. Outcomes from the Programme are publicised through many seminars and conferences. ECBCS' mission is *to develop and facilitate the integration of technologies and processes for energy efficiency*.

The remit of the ECBCS Programme covers every aspects of energy conservation in buildings and community systems. Significantly, community wide energy systems are taking on increasing importance in providing energy services to buildings. For all building types, there are many issues relating to design, construction and performance in practice that need to be resolved. Therefore, the Programme carries out projects in the following areas:

- Community scale energy systems
- Performance benchmarking
- Integrated system design including renewable energy sources
- Renovation and retrofit
- Construction technologies
- Electric lighting and daylighting
- Energy measurement, management & auditing
- Environmental assessment
- Thermal simulation
- Ventilation
- Control of moisture in buildings



IEA Energy Conservation in Buildings & Community Systems

[News](#)
[About ECBCS](#)

The ECBCS Research Programme

The IEA (International Energy Agency) Energy Conservation in Buildings and Community

Ongoing Annexes

59	High Temperature Cooling and Low Temperature Heating in Buildings	2012-2015
58	Reliable Building Energy Performance Characterisation Based on Full Scale Dynamic Measurements	2011-2015
57	Evaluation of Embodied Energy & Carbon Dioxide Emissions for Building Construction	2011-2015
56	Cost-Effective Energy & CO ₂ Emissions Optimization in Building Renovation	2010-2015
55	Reliability of Energy Efficient Building Retrofitting - Probability Assessment of Performance & Cost (RAP-RETRO)	2009-2013
WG	Working Group on Energy Efficient Communities	2009-2012
54	Analysis of Micro-Generation & Related Energy Technologies in Buildings	2009-2013
53	Total Energy Use in Buildings: Analysis & Evaluation Methods	2008-2012
52	Towards Net Zero Energy Solar Buildings	2008-2013
51	Energy Efficient Communities	2007-2011
5	Air Infiltration and Ventilation Centre	1979-

- Control of moisture in buildings



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Created in 1979

INIVE is operating agent since 2001





International Network for Information on Ventilation and Energy Performance



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**Tight Vent
Europe**



BUILDING AND DUCTWORK AIRTIGHTNESS PLATFORM

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Tight Vent[®] Europe





Tight Vent Europe
BUILDING AND DUCTWORK AIRTIGHTNESS PLATFORM

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Welcome to TightVent Europe

Posted on [2013/03/25](#) by [admin](#)

Welcome to *TightVent Europe*, the European portal for the Airtightness of Buildings and Ductwork. Discover the latest news, [publications](#) and [events](#). Subscribe to our Newsletter and the RSS feed for instant access to the latest information. Find out more about [TightVent Europe](#) and [TightVent Europe partners](#).

Posted in [General information](#)

★ Hot news

Posted on [2013/03/25](#) by [Rémi Carrié](#)

2013 AIVC conference. Athens, Greece, September 25-26 2013. [Call for abstracts and registration OPEN.](#)

AIVC Airtightness workshop – 3rd
TightVent Workshop on Building and Ductwork Airtightness. Washington DC –

TightVent welcomes Aeroseal as new partner.

BUILDPAIR symposium. Hannover, Germany, June 7-8 2013. [More information.](#)

Recent News

- Welcome to TightVent Europe
- Hot news
- TightVent releases 2 publications in close collaboration with AIVC
- TightVent welcomes Aeroseal as new partner
- REHVA Journal 01/13: Special issue on airtightness

Archives

- March 2013
- January 2013
- April 2012
- March 2012
- February 2012
- January 2012
- October 2011
- September 2011



Tight Vent Europe
BUILDING AND DUCTWORK AIRTIGHTNESS PLATFORM

Diamond partners









Platinum partners




Gold partners



Associate partners






has given substantial support during the first phase of the platform.





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