
Ongoing Activities

- Annex 5: The Air Infiltration and Ventilation Centre (AIVC)

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Annex 5, The Air Infiltration and Ventilation Centre, is a long established (since 1979) and highly regarded joint project within ECBCS. Since its inception, the AIVC has maintained a technical information service to policy makers, practitioners and researchers. It operates both technical and information dissemination programmes within its remit. The primary objective of Annex 5 AIVC is to provide a high quality international technical and information forum covering the areas of ventilation and infiltration in the built environment with respect to efficient energy use, good indoor air quality and thermal comfort. The main drivers for this work are the national and international concerns in the areas of sustainable development and responses to climate change impact. The overall grouping of activities is divided into the following key functions:

- to act as a technical forum for all relevant international and national ventilation and related activities;
- to undertake technical evaluations and analyses so as to synthesise leading edge research information into industry focused products;
- to provide synthesised information to the research community, policymakers, and industry with emphasis on the end users and practitioners.

A further objective is to provide advice on cost effective measures available to achieve energy efficient buildings with good indoor climate conditions.

Technical Programme

Four major new reports have been published by AIVC in the past year. These are:

- Technical Note - Reducing Indoor Residential Exposures to Outdoor Pollutants
- Annotated Bibliography Review of Airflow Measurement Techniques
- Ventilation Information Paper - Airtightness of Ventilation Ducts
- Ventilation Information Paper - Indoor Air Pollutants – Part 1: General Description of Pollutants, Levels and Standards

Information Dissemination

Alongside the Annex 5 technical programme, the information dissemination activities are equally valued. During the past year, the Air Information Review (AIR) together with a CDROM has continued to be distributed to over 3000 persons and organisations every month. On the AIVC-CD, all the publications produced by the AIVC since its foundation in 1979 can be found as well as information from many ventilation related activities.

Airbase: Airbase, the AIVC's bibliographic database now contains over 15000 records. It is updated every 3 months (about 150 new references every 3 months)

AIVC Conference Attendees

- AIVC conference 2003: 85 attendees, with 26 extended oral presentations + keynote, 35 short oral presentations + posters
- AIVC conference 2002 (in conjunction with EPIC): 220 attendees, with 150 papers

AIVC Web Site (www.aivc.org): The AIVC Web site averaged about 6000 visitors per month in 2004. For most of the time, the AIVC is the first reference in 'Google' when searching for 'ventilation', although there are some 3.5 million references.

Participation: In the past twelve months, the Fraunhofer Institute for Building Physics, Germany, has become a member organisation of the Operating Agent, INIVE eeg, and the Czech Republic has joined Annex 5.

Current Project Period: 2001 – 2004, proposed renewal 2004 - 2007 (Annex established in 1979)

Operating Agent: Peter Wouters, INIVE eeg, Belgium

Participating Countries: Belgium, Czech Republic, France, Greece, the Netherlands, Norway, and the United States of America

Organisations participating in the Operating Agent, INIVE eeg

- BBRI: Belgian Building Research Institute, Belgium
- CETIAT: Centre Technique des Industries Aéronautiques et Thermiques, France
- CSTB: Centre Scientifique et Technique du Bâtiment, France
- Fraunhofer Institute for Building Physics, Germany
- NBI: Norwegian Building Research Institute, Norway
- NKUA: National & Kapodistrian University of Athens, Greece
- EMPA: Swiss Federal Laboratories for Materials Testing and Research, Switzerland
- ENTPE: École Nationale des Travaux Publics de l'État, France

Organisations participating in Annex 5:

- BBRI: Belgian Building Research Institute, Belgium
- Technical University of Brno, Czech Republic
- Ministry of Industry and Trade, Czech Republic
- ADEME: Agence de l'Environnement et de la Maîtrise de l'Energie, France
- NKUA: National & Kapodistrian University of Athens, Greece
- TNO - Building and Construction Research, Netherlands
- NBI: Norwegian Building Research Institute, Norway
- Lawrence Berkeley National Laboratory, USA



The AIVC Website