Building airtightness improvements of the building stock- Analysis of European databases

Tuesday January 19th, 2021

10:00-11:15 (Brussels, BE)

9:00-10:15 (London, UK)

11:00-12:15 (Athens, GR)

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Registration is required: A link to join the webinar will be included in the email confirmation

Air infiltration in buildings has multiple consequences on energy use and indoor environmental quality. Therefore, in the last 10 years many countries have introduced requirements for building airtightness in their EP-regulation. Those requirements often prescribe that a test is performed by a qualified tester and that every test performed is recorded in a database. Hundreds of thousands of data are now available in Europe. Those data allow not only to perform interesting statistics on changes in the airtightness of the building stock but also to better understand and to anticipate building airtightness.

This webinar aims at presenting three major European databases (in the UK, Flanders and France) and also at comparing their structures and their measurement data acquisition protocols. Weaknesses and strengths in the different aspects of the existing database setups will be identified.

This webinar is organised with the support of TightVent Europe (www.tightvent.eu) and the Air Infiltration and Ventilation Centre (www.aivc.org). Both initiatives are facilitated by INIVE (www.inive.org).

Programme (Brussels time)

- 10:00 | Building airtightness improvements in the UK building stock, analysis of ATTMA database, **Barry Cope (ATTMA, UK)**
- 10:10 | Building airtightness improvements in the Flemish building stock, analysis of BCCA database, **Maarten De Strycker (BCCA, Belgium)**
- 10:20 | Questions and answers
- 10:30 | Building airtightness improvements in the French building stock, analysis of CEREMA database, **Adeline Melois (Cerema, France)**
- 10:40 | Residential buildings airtightness frameworks: A review on the main databases and setups in Europe and North America, **Irene Poza Casado (University of Valladolid, Spain)**
- 10:55 | Questions and answers
- 11:15 | End of webinar

Cost and registration

Participation to the webinar is free but requires you to register for the event. The webinar will be limited to a maximum of 1000 persons. To register, please click on the "Register now" button above or visit inive.webex.com.

What is a webinar?

A webinar is a conference broadcasted on internet. To follow a webinar you must have a computer with a sound card and speakers or headphones. Once logged in the "conference room", you will be able to see the slides of the presentation and to hear the panellists' comments. You will also be able to ask written questions to the speakers, and to answer on-line surveys.

Hardware, software

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About TightVent

TightVent Europe (www.tightvent.eu) aims at facilitating exchanges and progress on building and ductwork airtightness issues, including the organisation of conferences and workshops. It fosters experience sharing as well as knowledge production and dissemination on practical issues such as specifications, design, execution, control, etc., taking advantage of the lessons learnt from pioneering work while keeping in mind the need for adequate ventilation.
TightVent Europe has been initiated by INIVE EEIG (International Network for Information on Ventilation and Energy Performance) with at present the financial and/or technical support of the following partners: Buildings Performance Institute Europe, BlowerDoor GmbH, Eurima, Gonal Industrias, Lindab, Mez-Technik, Retrotec, SIGA, and Soudal.

About AIVC

Created in 1979, the Air Infiltration and Ventilation Centre (www.aivc.org) is one of the projects/annexes running under the International Energy Agency's Energy in Buildings and Communities (IEA-EBC) Programme. With the support of its member countries as well as key experts and two associations (REHVA, IBPSA, ISIAQ), the AIVC offers industry and research organisations technical support aimed at better understanding the ventilation challenges and optimising energy efficient ventilation.
The AIVC activities are supported by the following countries: Australia, Belgium, China, Denmark, France, Greece, Italy, Ireland, Japan, Netherlands, New Zealand, Norway, Republic of Korea, Spain, Sweden, UK and USA.

About INIVE

INIVE EEIG (**I**nternational **N**etwork for **I**nformation on **V**entilation and **E**nergy **P**erformance) was created in 2001 as a so-called European Economic Interest Grouping. The main reason for founding INIVE was to set up a worldwide acting network of excellence in knowledge gathering and dissemination. At present, INIVE has 8 member organisations (BBRI, CETIAT, CSTB, eERG, IBP-Fraunhofer, NKUA, SINTEF, and TNO) (www.inive.org)
INIVE is coordinating and/or facilitating various international projects, e.g. AIVC (www.aivc.org), TightVent Europe (www.tightvent.eu), venticool and Dynastee (www.dynastee.info). INIVE has also coordinated the ASIEPI project dealing with the evaluation of the implementation and impact of the EU Energy Performance of Buildings Directive, the QUALICHeCK project aiming towards improved compliance and quality of the works for better performing buildings, BUILD UP the European portal on Energy Efficiency and the EPBD feasiblity study 19a (https://www.epbd19a.eu/).