

INTERNATIONAL WORKSHOP

National trends of innovative products and systems for energy-efficient buildings

Barriers and strategies for an accelerated market uptake

Amsterdam - the Netherlands
3-4 March 2010


Updated version 3-2-2010



An initiative of INIVE, organized by TNO, in collaboration with AIVC, REHVA and part of the European SAVE ASIEPI project (www.asiepi.eu)



The workshop is supported by the European Union through its intelligent Energy – Europe Programme

Intelligent Energy  Europe



The aims of the workshop

- To identify national trends and barriers for adoption of current and emerging energy-efficient technologies and products for buildings. The workshop will provide a forum of discussion and consensus development among policy and decision makers in government, industry, and research institutes. Specific attention will be paid to energy efficient ventilation and boundary conditions for a good indoor climate.
- To outline strategies and drivers for change to incentives to increase adoption rate of these technologies, and accelerate the transition process towards a comfortable, healthy, and energy-efficient built environment. Emphasis will be placed on aspects of cooling and heating.
- To discuss what are emerging technologies with high potential to realize energy-efficient buildings and good indoor environments. And to find an answer to the question if there are sufficient incentives to accelerate market introduction.
- To document success stories and best practices that facilitated effective uptake and implementation of energy-efficient and innovative technologies in buildings, while taking high quality and healthy environments into account.

The expected outcome of this workshop

The findings will be documented into a report that will summarise barriers, strategies and a sample of best practices for an accelerated market uptake of innovative products for energy-efficient and high quality buildings.

- For all participants:
 - Update on best practices, success stories, and barriers for market uptake of energy-efficient technologies in buildings.
- Primarily for policy makers:
 - Consensus on required boundary conditions and drivers for an effective market uptake of innovative technologies for energy-efficient buildings.
 - Update on emerging technologies for energy-efficient and healthy buildings.
- Primarily for industry:
 - Insights in (national) markets on innovative buildings technologies, technologies with high impact for energy savings.
 - An answer to the question what is needed to launch a good product in the market.

Language

The workshop will be held in English. No translation is foreseen.

Fee

The workshop fee is EUR 300,- excluding VAT. This fee includes participation to the workshop, documentation, coffee breaks, lunches and dinner.

Registration

Participants should enrol by returning the registration fee by 24 February 2010.

For any information and registration visit the website:

www.tno.nl/workshopenergyinbuildings

for additional questions please contact Claudia van Deijl, TNO at:

Claudia.vanDeijl@tno.nl

Telephone: +31 1527 63300 – Fax : +31 1527 63023

Location

The workshop will take place in **Science Center NEMO Amsterdam** (Oosterdok 2, 1011 VX Amsterdam, The Netherlands). NEMO is the large, eye-catching green building. Science Center NEMO can be reached by foot from Amsterdam Central Station in just 15 minutes. We recommend travelling by public transport.

For travel information go to **www.e-nemo.nl**

Where to stay?

We arranged a price at the following hotels

IBIS Amsterdam: Price per room for a single room € 84,00 including breakfast en excluding 5% citytax.. Price per room for a double room €99,00 including breakfast and excluding 5% citytax..
Adress: IBIS Amsterdam City Stopera, Valkenburgerstraat 68,NL-1011 LZ Amsterdam,Tel : +31205319159,Fax : +31205319145, Email : h3044@accor.com , website: www.ibishotel.com

Barbizon NH Palace: Price: 144 Euro per night excluding 5% city tax and excluding breakfast.(The costs for 28 February till 1st March is lower 115 Euro for Euro per night excluding 5% city tax and excluding breakfast). Address: Prins Hendrikkade 59-72, NL-1012 A Amsterdam. Website : NH Barbizon Palace: <http://www.nh-hotels.com/nh/en/hotels/the-netherlands/amsterdam/nh-barbizon-palace.html>

About ASIEPI, AIVC and INIVE

The main goal of **ASIEPI** (www.asiepi.eu) is to provide support to MS and the EC on various aspects that may present potential problems. How to compare the energy performance requirements across Europe? The actual impact of the EPBD? Control and compliance? How to effectively handle thermal bridges? How to stimulate good building and duct airtightness? How to assess innovative systems? How to stimulate good summer comfort conditions?

The **AIVC** (Air Infiltration and Ventilation Centre - www.aivc.org) is the official information Centre of the IEA (International Energy Agency) for ventilation and Air Infiltration in Buildings. Inaugurated in 1979, it offers a wide range of services, including publications, an annual conference and a newsletter.

INIVE EEIG (www.inive.org) is the International Network for Information on Ventilation and Energy Performance and is composed of leading organisations in the building sector (BBRI, CETIAT, CIMNE, CSTB, ENTPE, Fraunhofer-IBP, SINTEF, NKUA, TNO, USACE). It has multiple aims including the collection and transfer of relevant information in the area of indoor climate, ventilation, energy efficiency and building energy-performance regulations.

Sponsoring

The workshop is sponsored by the following organisations:

AIVC (www.aivc.org), ES-SO (www.es-so.com), EUROACE (www.euroace.org), EURIMA (www.eurima.org), INIVE (www.inive.org), REHVA (www.rehva.eu), and PCE (<http://www.foamglas.be>).



Preliminary programme

Day 1 – Wednesday 3 March 2010

12.30 Opening of registration

13.30 Opening of workshop – session 1

- General welcome by TNO, Aart de Geus, Netherlands
- Welcome on behalf of AIVC and ASIEPI project, Peter Wouters, INIVE, Belgium
- IEA activities on supporting emerging technologies towards near zero primary energy use and carbon emissions in building and communities, Morad Atif, chairman IEA-ECBCS
- The role of innovation in the Dutch Policy on Energy in the Built Environment, Jan Terlouw, Netherlands (to be confirmed)
- Energy performance regulations and innovative systems: lessons learned from the EU SAVE ASIEPI project, Nicolas Heijmans, BBRI, Belgium

15.30 Break

16.00 Session 2 Market uptake of emerging technologies

- Cool roofs: what are the possibilities and opportunities? What about challenges and difficulties for market uptake? - European Cool Roof Council, Mat Santamouris, NKUA and European Cool Roof Council, Greece
- Assessment of innovative technologies – role of modern identification techniques, Hans Bloem, JRC Ispra and Henrik Madsen, DTU, Denmark
- Medium and long-term trends in national energy efficient targets for new buildings
- Market uptake of innovative facades - experiences and view of a facade manufacturer & contractor, Henk De Bleecker, Group R&D Manager of Permasteelisa Group
- Panel Discussion

18.00 Wrap up

19.30 Dinner

Day 2 – Thursday 4 March 2010

9.00 Session 3 Long term performance of energy-efficient buildings and systems

- Commissioning as a driver for market uptake of innovative systems
- Quality of innovative systems: the role of technical approval schemes and successful examples, UEATC (European Union for Agrément)
- Long term performances of building airtightness: importance and possibilities? What about challenges and difficulties for market uptake, Jörg Birkelbach, Tremco illbruck International, Energy- and Environmental Centre Deister
- Dutch experiences on long term performances of ventilation systems, Willem de Gids, TNO

11:00 Break

11:30 Session 4 Energy-efficient communities and standards

- A new approach to energy efficient communities - examples from IEA Annex 51, Reinhard Jank
- City of the sun - Heerhugowaard (Netherlands), Leendert Verhoef, new-energy-works.
- Are there research needs, Bruno Smets, E2B, Philips
- Role of standards, Jaap Hoogeling, Chairman of CEN/TC 371, ISSO.

13.00 Lunch

14.00 Session 5 Overview of instruments for stimulating market uptake

- Country examples for stimulating market uptake, Markku Virtanen (Finland) and M. Atif (Canada)
- Regulations and financial incentives – barriers or drivers for market uptake of innovative systems? Peter Wouters BBRI
- Panel discussion - Representatives from industry and market,
- Conclusions and next steps

16.30 Wrap up