

International Conference on the  
**Energy Performance of Buildings**  
Brussels – 21-23 September 2005

A conference consisting of 2 parallel sessions focusing on various issues regarding the energy performance of buildings

Parallel session "EPBD"

**Energy Performance of Buildings Directive:  
Implementation in practice**

Session supported by the European Commission and its  
Intelligent Energy Executive Agency (IEEA)



**Detailed programme of EPBD related sessions**

International conference organised by

**INIVE**

International Network for Information on Ventilation and Energy Performances

Wednesday September 21

9:00 - 10:45

**OPENING SESSION**

Chairmen : V. Berruto and P. Wouters

<b>N° Speech</b>	<b>Title</b>	<b>Name</b>
O.1	Welcome of participants	P.Wouters
O.2	Welcome of participants (by the EC)	V.Berruto
O.3	Welcome of participants (by BBRI)	R.Lenaers (*)
O.4	Context of the EPBD in the overall energy policy of the EC	L.Werring (*)
O.5	EPBD Concerted Action: role, objectives, functioning, ...	E.Maldonado
O.6	Activities of the International Energy Agency (IEA) in relation to energy, indoor climate and ventilation	M.Sherman
O.7	Ventilation, Indoor climate and energy: the mission of AIVC and INIVE and the link to the energy performance of buildings	P.Wouters

Wednesday September 21

11:15 - 13:00

**EP standards and calculation procedures**EPBD  
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Chairman : J. Hogeling

Co-chair : H. Erhorn

Rapporteur : J.R. Millet

1.1	Overview of implementation of the CEN mandate	J.Hogeling
1.2	Status of work in EPBD CA regarding procedures	H.Erhorn
1.3	Calculation procedures, focus of standards prEN15203 and prEN-ISO13790 "Calculation of energy use for space heating and cooling "	D. van Dijck
1.4	Ventilation related aspects in the CEN calculation procedures with focus on prEN 15241 & 15242	J.R.Millet
1.5	Ventilation for Buildings - Calculation of room temperatures and of load and energy for buildings with room conditioning systems prEN15243	G. Zweifel
1.6	Discussion: status and challenges regarding implementation by MS	--

Wednesday September 21		14:00 - 15:45
EPBD 2	<b>Inspection and commissioning of technical installations</b>	
	Chairman : M. Antinucci	Co-chair : J.C. Visier      Rapporteur : P. Schild
2.1	Introduction	M.Antinucci
2.2	Inspection of boilers: an overview presentation	I.Sofronis
2.3	Inspection of air conditioning facilities in Europe in EBPD; partial ex-ante regulatory impact assessment	J.Adnot
2.4	Quality assessment of ventilation systems: an overview of practical experiences	R.Carrié
2.5	Commissioning tools: a way to manage the growing complexity of energy systems in buildings	J.C.Visier
2.6	Comparison between the DIAGVENT diagnostic method and PR EN 15239 on Inspection of Ventilation Systems	P.J.Vialle
2.7	Discussion	--

Wednesday September 21		16:15 - 18:15
EPBD 3	<b>Existing buildings : calculation procedures – certification- labelling</b>	
	Chairman : J.C. Visier	Co-chair :J. Laustsen      Rapporteur : A. Panek
3.1	Introduction	J.C.Visier
<b>Challenge 1: Define and set up policies applicable to existing buildings,</b>		
3.2	Certification of existing buildings : overview of the information collected in the framework of the EPBD CA	J.Laustsen
<b>Challenge 2: Develop certification and regulation schemes which are applicable to existing buildings</b>		
3.3	US experience : The Resnet project	J.Baden
3.4	ENPER-exist: Challenge to apply European standards to existing buildings	M.Spiekman
3.5	An Energy Performance Assessment method for the Non-Residential building stock in accordance with the EPBD	B.Poel
3.6	EPLABEL : preparing for an EPBD requirement to display operational ratings on energy certificates in public buildings	R.Cohen
3.7	BEST-cert: Building energy standards - tool for certification - pilot methodologies investigated	D.C.Lillicrap
<b>Challenge 3: Maximising the impact of certification</b>		
3.8	Pilot actions to develop a functioning market for energy performance certificates	G.Bucar
3.9	Securing the take off of building energy certification : concept and plans of the EIE STABLE project	I.Aho & T.Husu
3.10	The SAVE IMPACT project	F.Zegers
3.11	Discussion	--

Thursday September 22 9:00 - 10:45

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## Indoor climate considerations and the EPBD

Chairman : B. Olesen

Co-chair : S.E. Lee

Rapporteur : O. Seppanen

4.1	Indoor climate and productivity	O.Seppanen
4.2	How to handle the overheating risk in EP calculation?	D.Van Dijck
4.3	Handling of indoor climate in hot humid climates: the Asean approach	S. E. Lee
4.4	Activities of the KeepCool project	K.Leutgöb
<b>4.5</b>	<b>National regulations for the indoor climate</b>	
4.5.1	France	A.M.Bernard
4.5.2	Netherlands	A. Boerstra
4.5.3	UK	Humphrey or F. Nicol
4.5.4	Greece	M.Santamouris
4.6	Indoor climate considerations to the EPBD	B.Olesen
4.7	Discussion	--

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## Very low energy new and existing buildings and the EPBD

Chairman : K. Engelund Thomsen

Co-chair :A. Tombazis

Rapporteur : V. Dorer

5.1	"The penetration of ultra low energy houses into the national housing market. Best practice experiences in Germany"	H.Erhorn
5.2	"How to promote low energy buildings"	K.Engelund Thomsen
5.3	"Low-energy inspiration project in perspective of the EPBD"	S.Dyrbøl
5.4	"EU FP6 ECO-buildings IP Brita in PuBs: Retrofit of public buildings to become low energy buildings"	H.Kluttig-Erhorn
5.5	"Passive-On: Bringing Passive Houses to the Mediterranean"	A.Pindar
5.6	"Passive houses: Achievable concepts for low CO2 housing"	H.Kaan
5.7	Discussion and questions	K.Engelund Thomsen

Thursday September 22 18:00 - 21:00 (including walking buffet)

EPBD 6	<b>Airtightness and the energy for transport</b>	
	Chairman : M. Sherman	Co-chair : W.F. De Gids Rapporteur : M. Liddament
6.1	Introduction by the chairman	M. Sherman
6.2	Regulations for fan energy	W. de Gids
6.3	Regulations air tightness of buildings in CEN standards	J.R. Millet
6.4	Air tightness in low energy buildings	B. Cobbaert
6.5	Air tightness of commercial buildings	(*)
6.6	Duct air tightness (+Q/A)	R. Carrié
6.7	Discussion	--

Friday September 23 9:00 - 10:45

EPBD 7	<b>Innovative systems and the EPBD</b>	
	Chairman : H. Erhorn	Co-chair : H. Cauberg Rapporteur : F. Durier
7.1	Introduction and short Overview on planned integration of renewables in the MS procedures	H.Erhorn
7.2	Innovations and the EPBD - General aspects	P. Wouters
7.3	What are the barriers to bringing retrofit innovations to applications - first results of the BRITA in PuBs project	O.Morck (*)
7.4	RESHYVENT: a generic approach for handling innovative systems	N.Heijmans
7.5	Energy efficiency with double skin facades, ways to integrate them into the EP calculation (BESTFACADE)	R. Waldner
7.6	<b>Industry's point of view about the assessment of innovative technologies in the framework of EPBD regulations</b>	
7.6.1	Innovation in conservation measures, how are they covered in the EP calculation	S.Dyrbol
7.6.2	Humidity and IR controlled ventilation	S.Hagelskjaer
7.6.3	Advanced ventilation and automation systems at building level	V.Jardinier (*)
7.7	Discussion	--

Friday September 23 11:15 - 13:00

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## Dissemination, training and non-technical issues

Chairman : A. Papadopoulos

Co-chair : H. Van Eck

Rapporteur : M. Kolokotroni

8.1	Training of inspectors in the context of the EPBD	H. Van Eck
8.2	Practical experiences with the EPBD implementation in DK	J.Laustsen
8.3	VentDiscourse	M.Kolokotroni
8.4	Presentation on EEBD and RURASU	A. Papadopoulos
8.5	Towards class A	P.Schilken(*)
8.6	Discussion	--

Friday September 23 14:00 - 16:00

## CLOSING SESSION

Chairmen : P. Wouters and E. Maldonado

CL.1	Opening of session	E. Maldonado
CL.2	Summing-up of 8 EPBD related sessions by rapporteurs	See rapporteurs
CL.3	Summing-up of ventilation track of conference	W.De Gids
CL.4	Summing-up of track on humidity and moisture in buildings	H.Hens
CL.5	IEE programme: New call for proposals	V.Berruto
CL.6	Closing conference - announcement 2006 conference	P.Wouters