

3rd ASIEPI web event

Overview of national approaches for the assessment of innovative systems in the framework of the EPBD

What is the potential problem with EPBD and innovative systems?





Program of this ASIEPI web event

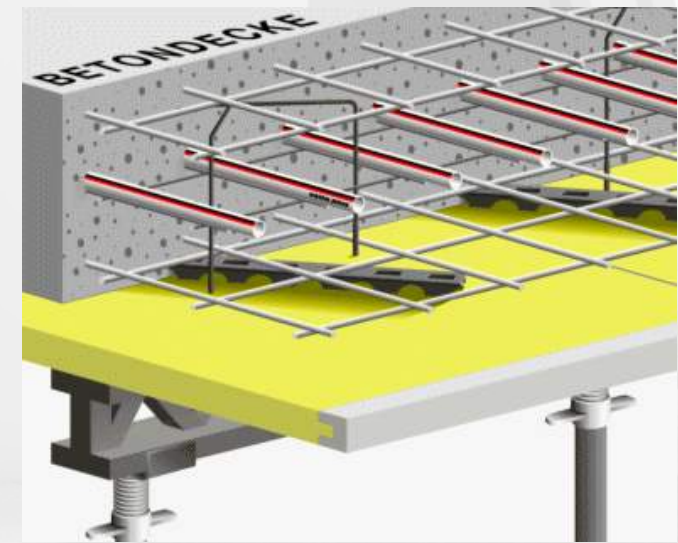
- ❖ Welcome *by Peter Wouters, INIVE, project coordinator*
- ❖ Presentation of the ASIEPI project *by Peter Wouters*
- ❖ **What is the potential problem with EPBD and innovative systems?** *by Peter Wouters*
- ❖ Synthesis of various national approaches *by N. Heijmans, BBRI*
- ❖ Examples of national approaches
 - Netherlands *by Marleen Spiekman, TNO*
 - France *by Hicham Lahmidi, CSTB*
 - Germany *by H. Erhorn, IBP*
 - Denmark *by Kirsten Engelund Thomsen, SBI*
 - Belgium *by Nicolas Heijmans, BBRI*
- ❖ The industry point of view, expressed by two ASIEPI sponsors
 - ES-SO *by Dick Dolmans, ES-SO*
 - EuroAce *by Jean-Luc Savin, AERECO (as member of EuroAce)*
- ❖ Questions
- ❖ Conclusions and closure *by Peter Wouters*



Context and challenges

A whole range of energy efficient technologies

- Displacement ventilation
- Demand controlled ventilation
- Limitation of emissions of building materials
- Super insulation glazing
- Double ventilated facades
- Heat recovery systems
- Cool surfaces
- ...





« Innovative » technologies

Technologies which are included in the calculation procedure

Innovative systems in EPBD context

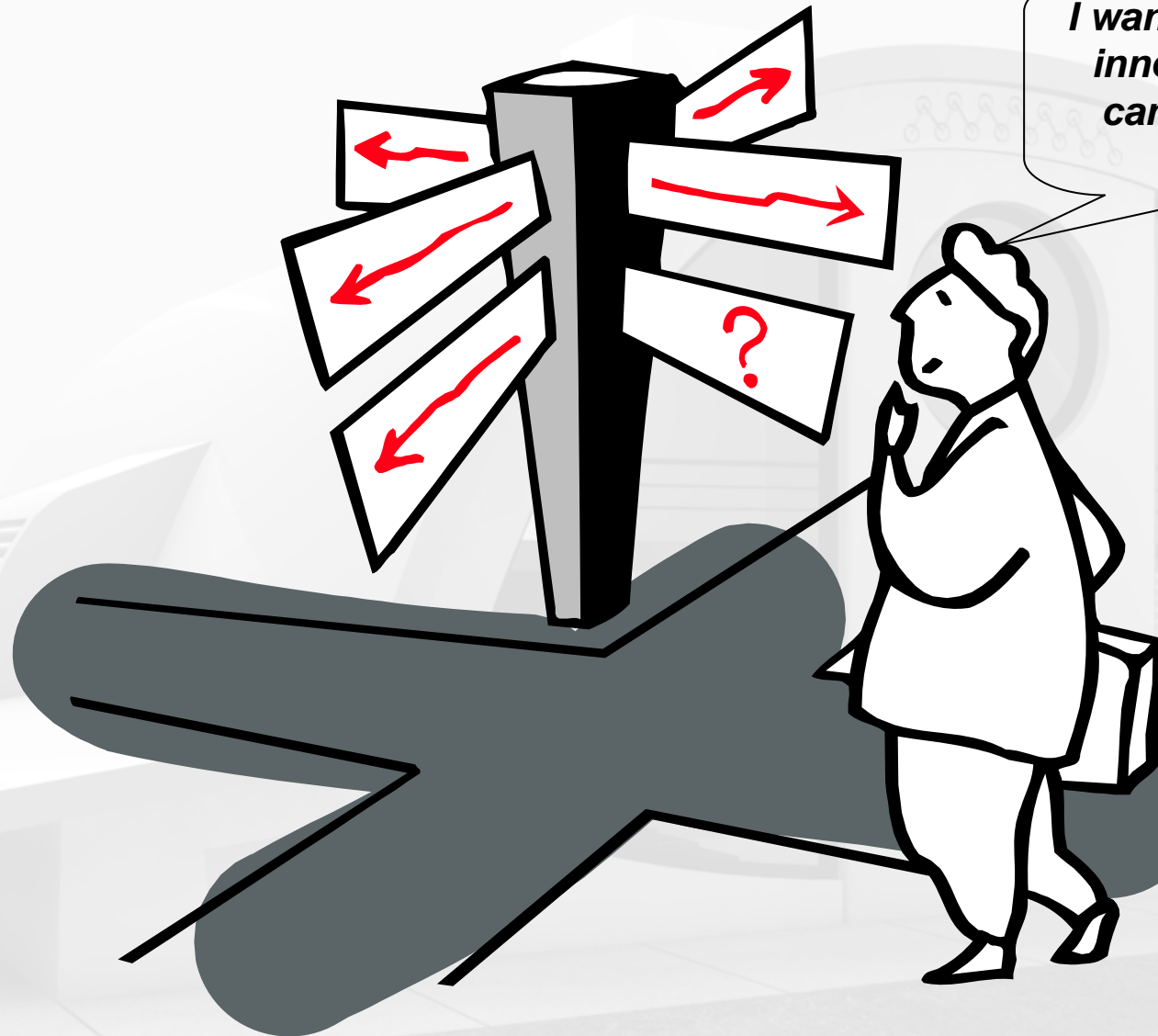
Technologies which are **NOT** included in the calculation procedure

Really new concepts

Existing technologies



How to advice industry?



I want to optimise my innovative system, can you help me?



« Innovative » technologies

Technologies which are included in the calculation procedure

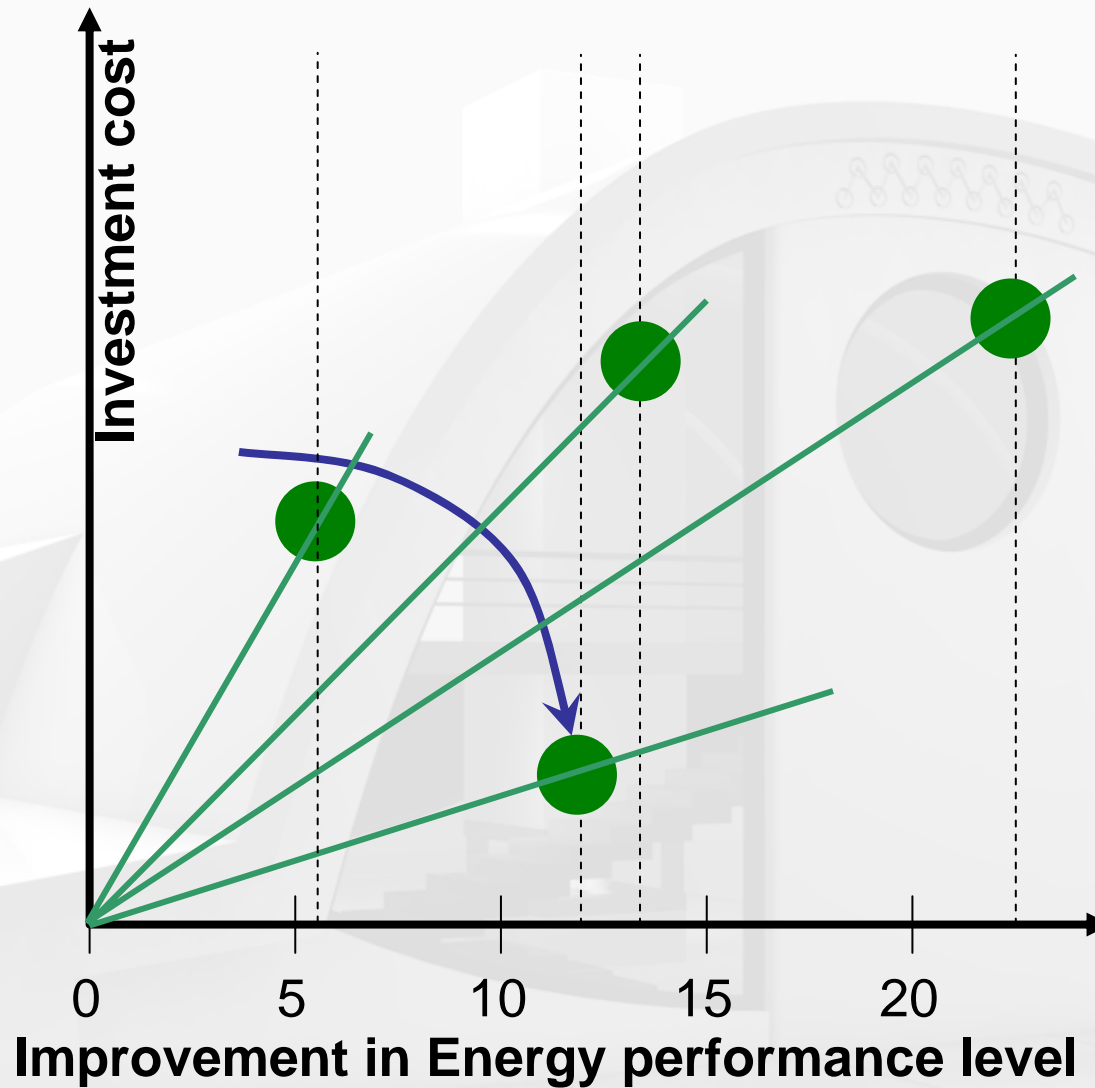
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Really new concepts

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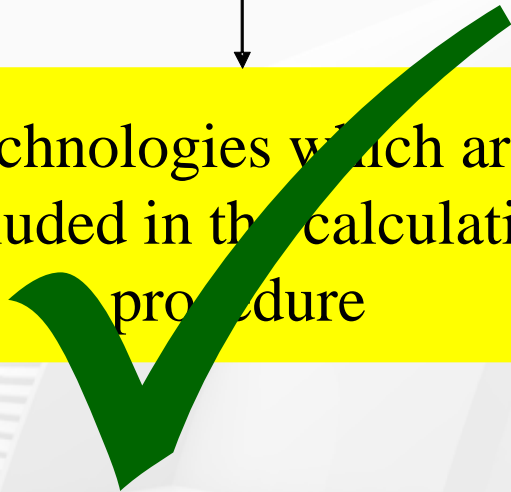
Example of competition between energy saving measures in the scope of the Energy Performance Regulation





« Innovative » technologies

Technologies which are included in the calculation procedure



Innovative systems in EPBD context

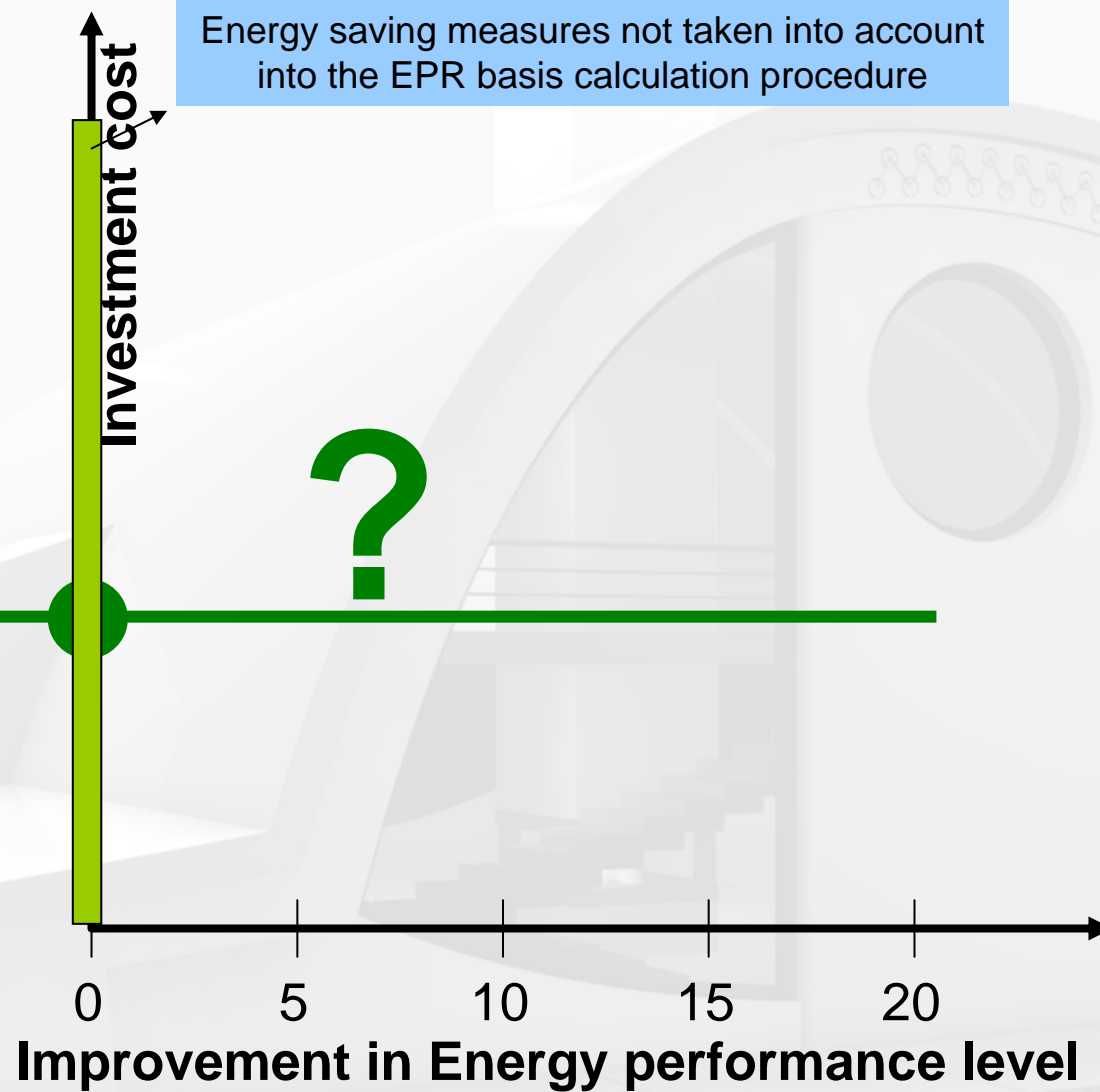
Technologies which are not evident to be taken into account by an EPR procedure

Really new concepts

Existing technologies



Example of competition between energy saving measures in the scope of the Energy Performance Regulation





An interesting example...

Humidity controlled ventilation

- is widely spread in France, with more than 1.5 Million dwellings equipped,
- In most other EU countries is the market marginal





In the past several workshops on innovative systems

Friday September 23 9:00 - 10:45

EPBD 7 Innovative systems and the EPBD		
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	RESHYVENT: a generic approach for handling innovative systems	N.Heijmans
7.4	Energy efficiency with double skin facades, ways to integrate them into the EP calculation (BESTFACADE)	H.Erhorn/R. Waldner
7.5	Industry's point of view about the assessment of innovative technologies in the framework of EPBD regulations	
7.5.1	How do we come from certification schemes to real savings?	S.Dyrbol
7.5.2	Advanced ventilation and automation systems at building level	S.Hagelskjaer
7.6	Discussion	--



www.inive.org

www.reshyvent.com

INTERNATIONAL WORKSHOP

Assessment of innovative technologies in the framework of the new European Energy Performance of Buildings Directive

Starting up European collaboration

Brussels, 29-30 March 2004

Workshop organised by BBRI and INIVE EEIG, in the framework of the RESHYVENT project, with sponsoring of AIVC, Kyoto Building Platform, EUROACE and EUBAC.



Conclusions

- ❖ It is important that regulations are drivers and no barriers for the use of innovative technologies – NOT evident to achieve
- ❖ All possible technologies cannot be covered by the standard calculation procedures
- ❖ Various countries have procedures in place, important to have good understanding of the various approaches and practical implementation
- ❖ Complex issue!



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 - The Belgian participation to ASIEPI is co-financed by the Federal Public Service Economy, SME's, independent Professions and Energy, the Flemish Region, the Walloon Region and the Brussels-Capital Region.

Intelligent Energy  Europe

 **economie**
FPS Economy, S.M.E.s, Self-employed and Energy

Vlaamse overheid



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