



Energy Efficient buildings+ renewable Energy sources

## Supports for national implementation of revised EPBD









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## Key Messages:

## "Requirements" but also "Opportunities" and "Support"

### <u>"Requirements"</u>

**New requirements** in revised EPBD (30 May 2018) Member States shall **bring into force by 10 March 2020** 

### <u>"Opportunities"</u>

Required transposition offers the possibility for common / appropriate implementation, considering technical progress and the new challenges

### <u>"Support"</u>

**EU Commission initiated** the following actions:

European standards (CEN)

for the **assessment methods** of the energy performance of buildings

European projects to promote professional skills development.













### Two examples how <u>CEN standards</u>and <u>EU projects</u> may help:

#### 1) "Common" transposition

- to be able to work on the "other side of the border"
- to have a "level playing field" (fair competition) for products: common databases, common information, comparability
- to have a common market



### 2) "Appropriate" = high quality" methods and tools

Assessment methods should be able:

- to estimate correctly the expected results (confidence you get what was promised),
- take into account **alternative systems** (renewables, on-site cogeneration, etc)





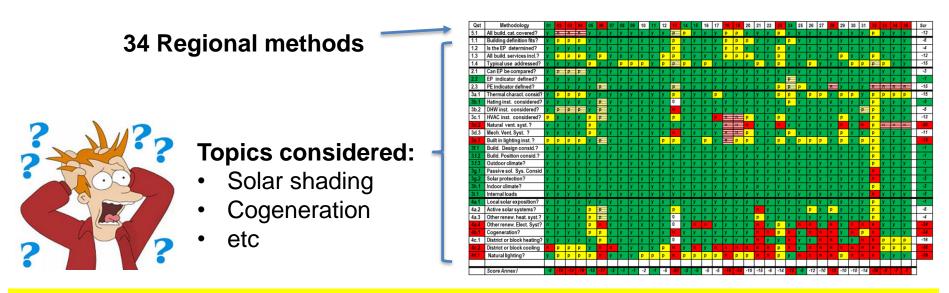






(1)« **Common** » transposition: key for building professionals

Analysis of conformity to annexe 1 of EPBD (2010) made in 2014 of the **34** !! national and regional transpositions



revised EPBD provides a chance to a better coordinated transposition based on CEN standards









# <u>An example:</u> the contribution of the ALDREN project to the common transposition of revised Directive

	T2.1	T2.2	T2.3	T2.4	T2.5	T2.6	T3.2
	Overall	EVCS	Measured	Health	Financial	Building	Training
	integration		energy	Wellbeing	evaluation	passport	
Art 1 Amendments Directive 2010/31/EU							
(2) Article 2a Long-term renov. Strategy							
(g) evidence of expected energy savings							
and related to health, and air quality.							
3. mobilisation of investments							
(b) the <b>reduction</b> of the <b>perceived risk</b>							
(4') Article 7 existing buildings							
high-efficiency alternative systems and shall							
address healthy indoor climate'.							
(6) Article 10							
'6. link their financial measures to the							
targeted or achieved energy savings							









## (2) High quality building need high quality assessment tools

Towards nearly zero energy buildings (NZEB): a main target of the EPBD



Assessment of "NZEB" buildings must be much more detailed, "holistic" (global) and based on "best practise". Parameters, as distribution losses, auxiliary consumption, the recovery of heat gains and solar gains, comfort become much more important.

the general framework for the calculation of the energy performance of buildings should be updated with the support of CEN standards, elaborated under EU Commission Mandate M/480

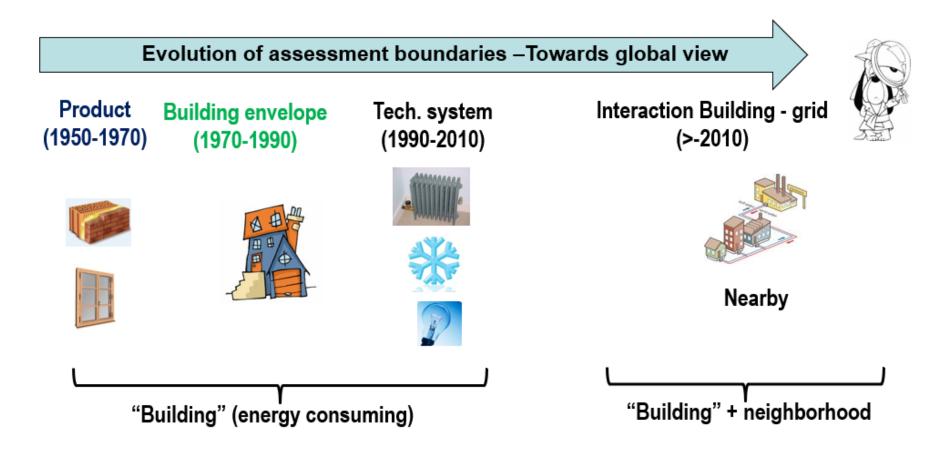








## Holistic: Historical evolution of requirements in Europe Roadmap to overall energy performance









# **EU projects supporting EPBD implementation**

In this conference:

3 European projects will be presented: ALDREN, CEN-CE, EPB-Center (complementary but all are related to European standards).



"Support the dissemination and roll-out of the CEN standards – the EPB Center consultancy service"



"ALliance for Deep RENovation in buildings (ALDREN) -Implementing an enlarged European Common Voluntary Certification Scheme and a building passport



"CEN standard Certified Experts – (CEN-CE) EU-wide qualification / training scheme based on CEN standards









# Supports for national implementation of revised EPBD Final words - personal opinion

## Future is based on quality

- > High quality buildings needs qualified professionals
- Qualified professionals needs quality assessment tools

### Future is based on cooperation

The revised EPBD provides a new chance for common and appropriate transposition – it should not be missed

## Future depends also on you

# Thank you for your attention.















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