

 **QUALICheck**
Towards better quality and compliance

Context of the conference

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You expect a reliable label

... and you expect a good quality



You expect a reliable label



...and you expect a good quality



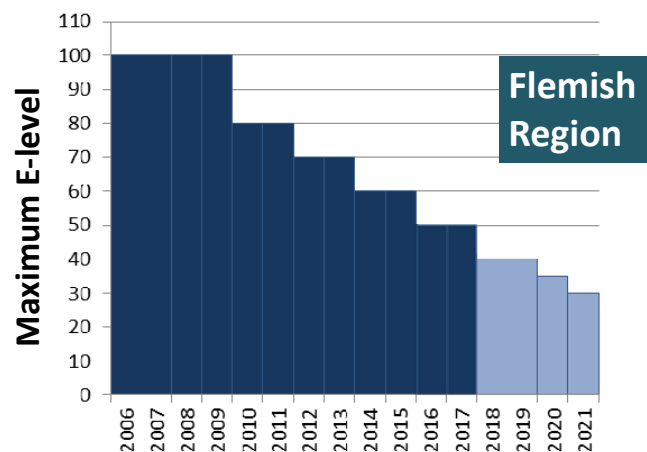
...and you expect a good quality

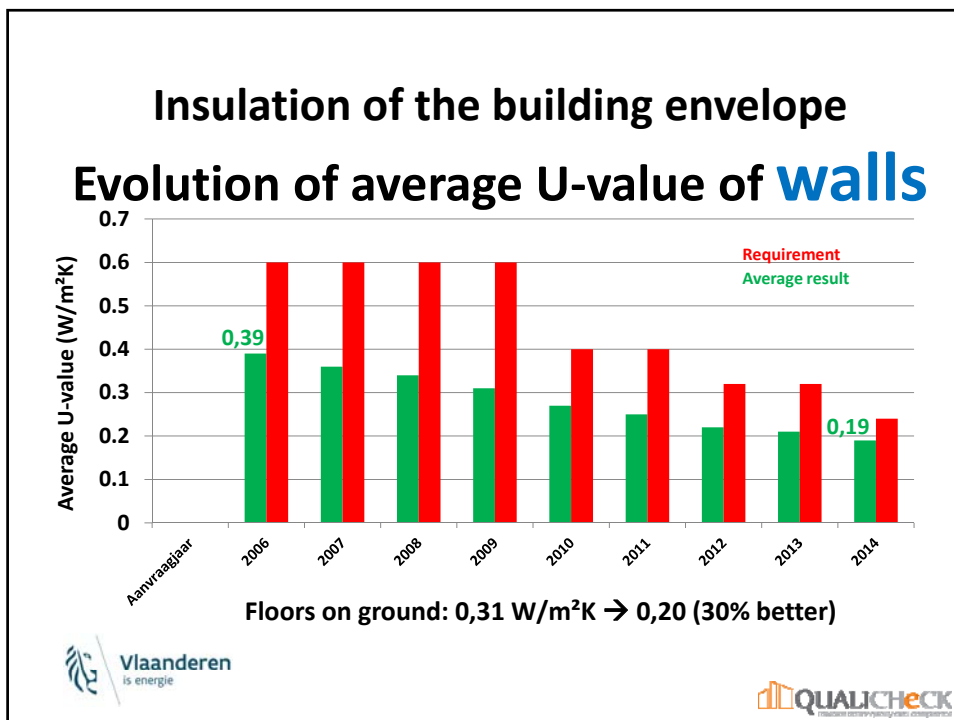
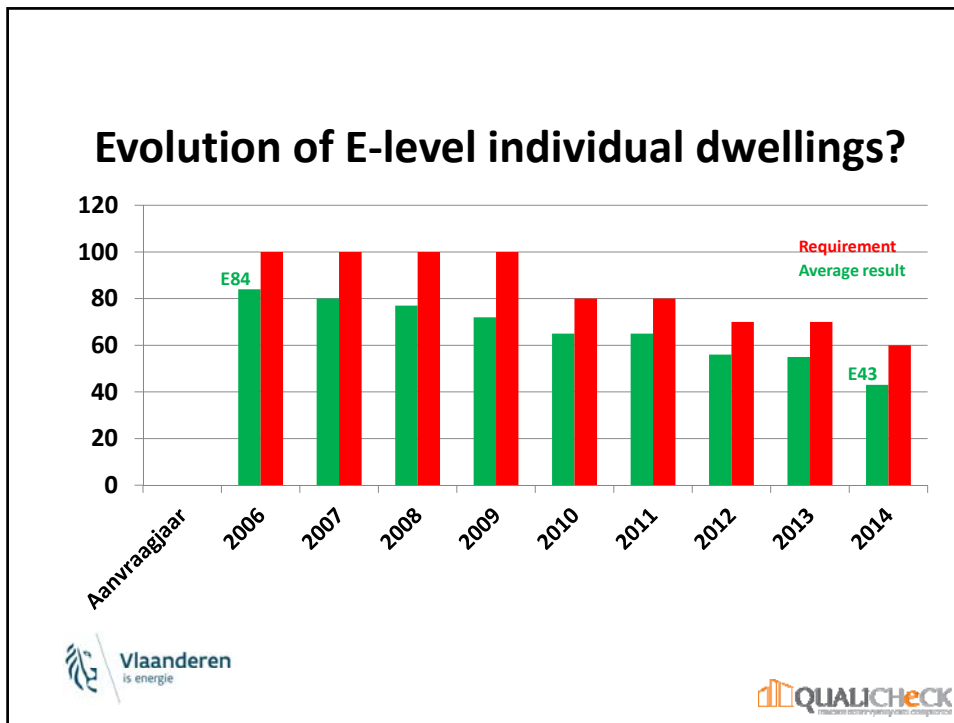


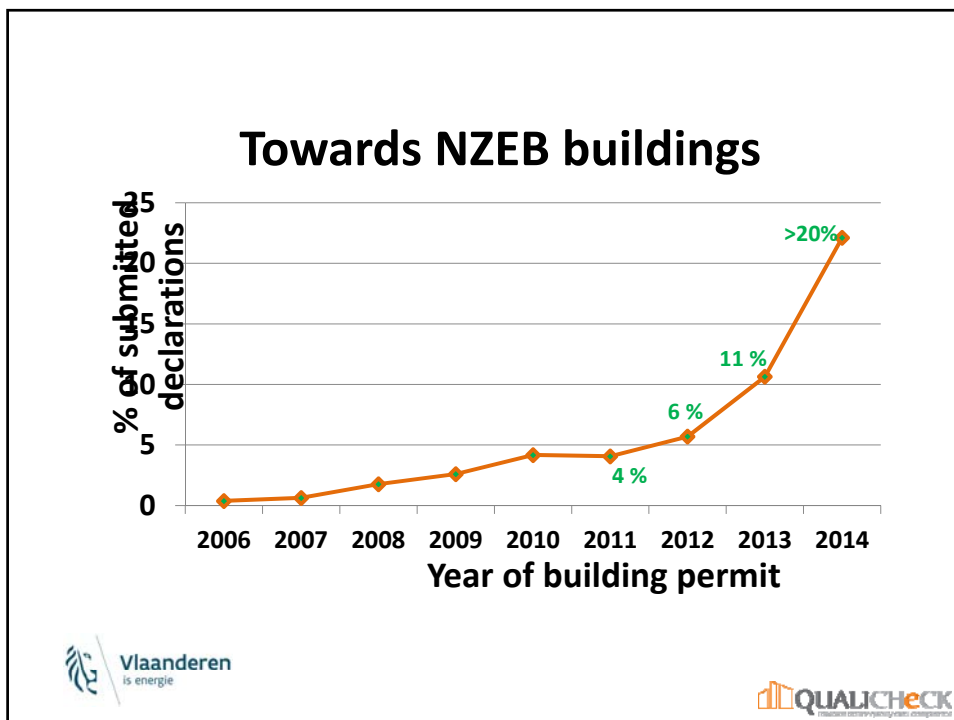
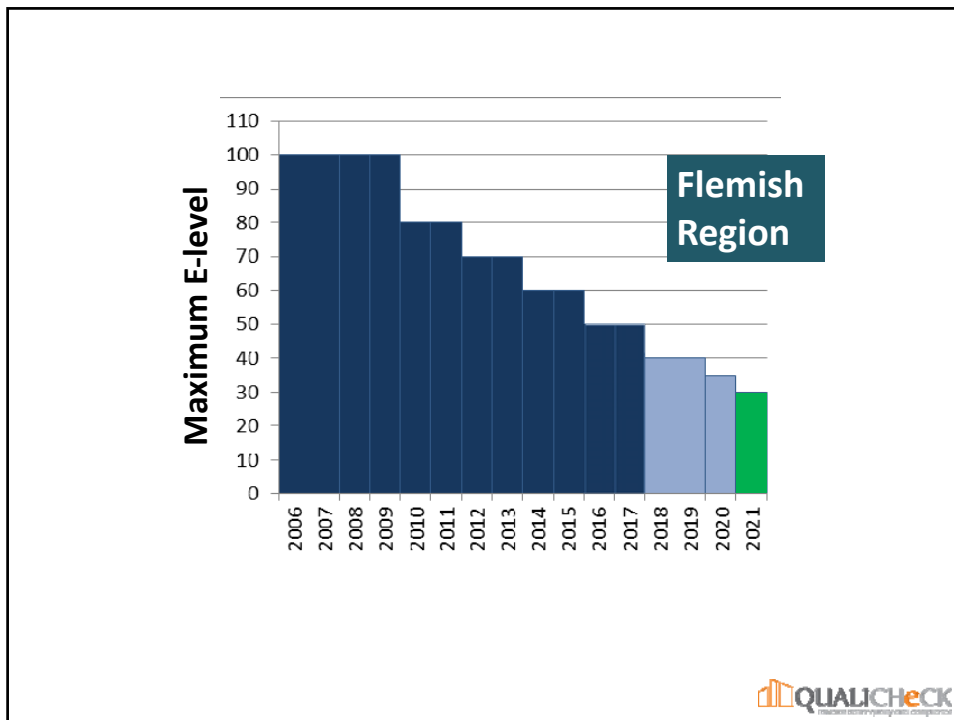
Change in regulatory boundary conditions for EPBD

- Original EPBD (2003)
 - Member states have to develop an EPC calculation method and impose minimum requirements
 - In practice in many countries moderate requirements
 - ...
- EPBD recast (2010)
 - Member states must impose cost optimal requirements
 - Member states must impose NZEB requirement (2019/2021)
 - ...

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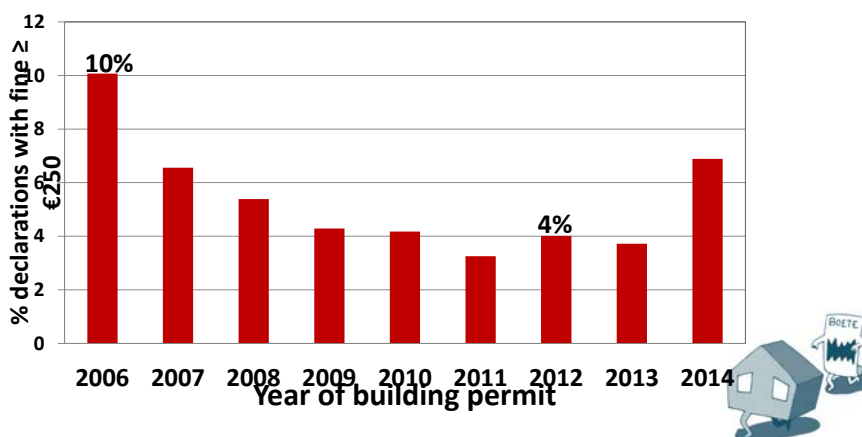
Article 27 Penalties

- Member States shall lay down the rules on penalties applicable to infringements of the national provisions adopted pursuant to this Directive and shall take all measures necessary to ensure that they are implemented.
- **The penalties provided for must be effective, proportionate and dissuasive.**
- Member States shall communicate those provisions to the Commission by 9 January 2013 at the latest and shall notify it without delay of any subsequent amendment affecting them.



Compliance and enforcement:

Percentage that does not comply – fine \geq 250 €



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 - Member states must impose cost optimal requirements
 - Member states must impose NZEB requirement (2019/2021)
 - ...
- Proposal for revision of EPBD / winter package
 - ... Smartness indicator
 - ... Increased overall challenges for the whole building stock

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Change in technological boundary conditions

- Original EPBD (2003)
 - In most countries focus on moderate to well insulated building shell
 - In most countries traditional HVAC technologies
 - ...
- EPBD recast (2010)
 - In nearly all countries towards advanced building shell levels
 - Uptake of new technologies (heat pumps, district heating, ...)
 - Growing market share of renewables
- Proposal for revision of EPBD / winter package
 - Smart technologies
 - More integrated solutions

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Change in relative EPBD impact on decision process

- Original EPBD (2003)
 - In most countries: EPBD was a point of attention but not of overwhelming importance
- EPBD recast (2010)
 - In the move to NZEB, EPBD requirements become very determining factor in design choices
- Proposal for revision of EPBD / winter package
 - ?

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2 objectives of QUALICHECK

- *To set up a series of actions which should result in more attention and practical initiatives for actual compliance with the EPC for new and renovated buildings*
i.e. 'Boundary conditions which force people to do what they declare'
- *To set up a series of actions, which should result in more attention and practical initiatives for achieving a better quality of the works*
i.e. 'Boundary conditions which stimulate and allow the building sector to deliver good quality of the works'



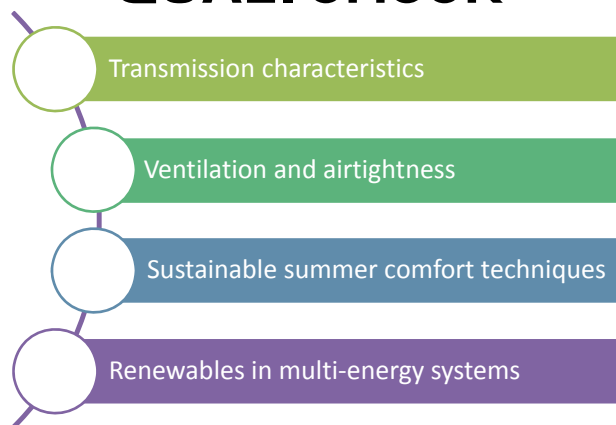
Which aspects?

- What is the status on the ground?
- Compliant and easily accessible EPC input data
- Quality of the works
- Compliance frameworks

| ASPECTS |
|--|
| Status on the Ground |
| Compliant and Easily Accessible EPC Input Data |
| Quality of the Works |
| Compliance Frameworks |



4 focus areas in QUALICheck



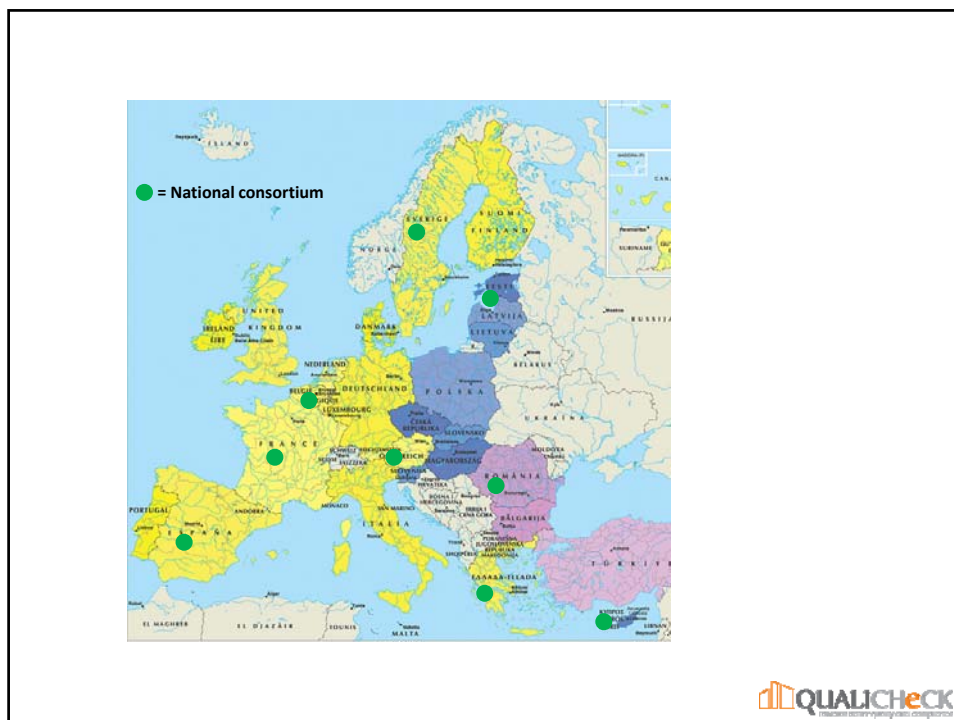
Transmission Characteristics

Ventilation and Airtightness

Sustainable Summer Comfort Technologies

Renewables in Multi-Energy Systems





QUALICheck outcomes

- 1 About the status on the ground...
- 2 About interesting approaches...
- 3 About guidance for improvements

→ See next presentation

Opening session

- Context of the conference
 - P. Wouters, INIVE EEIG
- 3 years of QUALICHeCK: overview of outputs
 - A. Deliyannis - Sympraxis Team
- What is the view of the market regarding compliance and quality of the works?
 - R. Carrié - INIVE
- Interactive voting session
 - A. Janssens - UGent

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Session 2

- Which lessons can we learn from the studies on the ground?
 - J. Kurnitski - TUT
- Compliance and quality of the works in relation to thermal insulation
 - P. Wahlgren - Chalmers University
- Compliance and quality of the works in relation to renewables in multi-energy systems
 - F. Durier - CETIAT
- We want to know your opinion - an interactive session with the audience
 - A. Janssens - UGent
- Overview of relevant EU projects and the BUILD UP skills initiative
 - A. Lacourt - EASME

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Closing session

- What are the proposed changes in the EPBD?
 - S. Gonzalez Herraiz - EASME/formely DG ENER
- A 'Smartness indicator' for smarter buildings
 - J. Laustsen - CA EPBD coordinator
- QUALICheck suggestions related to compliance challenges for a Smartness indicator
 - P. Wouters - INIVE
- Stakeholders' opinions regarding suggested EPBD changes
 - BPIE - ES-SO - EuroAce - REHVA - venticool
- Panel discussion on suggested EPBD changes
- Interactive voting focused on the EPBD review related issues
- Conclusions

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