ALDREN Alliance for Deep RENovation in buildings."

The "<u>common language</u>" to speak about building renovation





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Johann.zringibl@cstb.fr

How ALDREN will contribute to increase the quality and energy renovation rate?

→ By work out a "common language"!

ALDREN is based on the following pillars:

- Multicriteria approach not only energy, but also health & well being, asset valuation, all resumed in a building passport
- Harmonized indicators (e.g. Energy Rating in EPC)
- Confidence in the results by measurements

The ALDREN "Common language"



Favoring **Communication** and **confidence** between actors (e.g. energy experts and finance)

Creating additional motivation to trigger renovation





The need for <u>multicriteria</u> quality indicators example: What will trigger the window change?

- Energy savings

 (high return on investments, not motivating)
- Health and well being (better airtightness, avoiding cold surfaces)
- Building value (good windows give good image of the building quality)



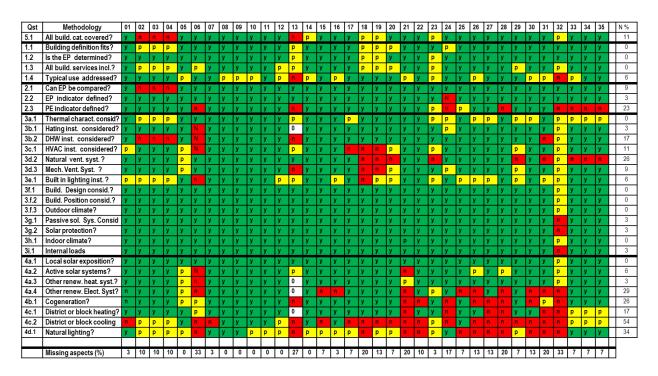
Allow decision takers to take into account <u>all</u> impacts of energy renovation (multicriteria) is key to trigger renovation.

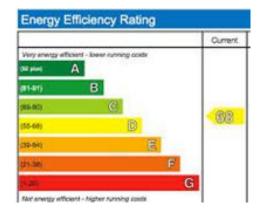
But once renovation is triggered, energy savings will be taken on board.





The need for <u>harmonized</u> quality indicators example: Energy Performance Certificates (EPC) / related calculation methods





Several methodologies (13/35 red dots) do <u>not address the aspects</u> mentioned in Annex I EPBD. The yellow dots indicates that the requirements are only partly fulfilled.

→ Energy Performance Certificates do not talk a "common language"



ALDREN BENEFITS FOR THE STAKEHOLDERS

All

- ALDREN is based on European State of Art (European or International standards), with verified performance and completed by health and well being
- EU quality mark and common indicators

BUILDING OWNERS, INVESTORS, DEVELOPERS

• take advantage of EU wide **comparability**, **reliability**, **risk reduction**

FINANCIAL SECTOR

• reliable quality benchmark for credit lines (e.g. green bonds)

THE BUILDING PROFESSIONALS and INDUSTRIALS

- harmonized procedures (for training, tools), possibility to work European wide
- **coherent databases** (from the product to the overall building assessment)
- a transparent European level playing field for fair competition.





The roadmap for ALDREN market uptake

During the ALDREN project (Nov 2018 – April 2020)

- First application of the ALDREN indicators and tools in ALDREN pilot buildings (starting: October 2018)
- First professional trainings of experts

After the ALDREN project (after April 2020)

- Uptake by existing or new voluntary schemes
- Potential link with <u>national</u> mandatory schemes
- **Professional trainings and accreditation of** experts (e.g. REHVA, other consortium partners or new partners)
- Uptake as **quality mark** by **European financial institutes** (European funding based on European quality standards).



The ALDREN Alliance – key for the success of ALDREN

- supporting the ALDREN project, (e.g. the market uptake)
- providing feedback on their needs and advice on ALDREN outcomes

ALDREN ALLIANCE TARGET GROUPS AND KEY ACTORS

- 1)BUILDING OWNERS, REAL ESTATE MANAGERS
- 2)BUILDING USERS
- 3) FINANCING AND INVESTMENT
- 4) PUBLIC AUTHORITIES
- 5) BUILDING PROFESSIONALS
- 6) INDUSTRIALS
- 7) CONSTRUCTION COMPANIES

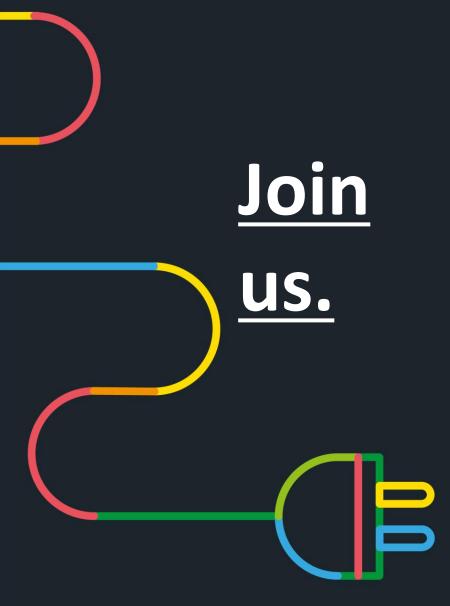


Cooperation and **complementarities** with other European project as:

- ENERFUND for the visibility of the ALDREN rating
- QUANTUM for verified performance
- **EeMAP** Energy efficient Mortgages Action Plan for **building valuation**
- Building Stock Observatory for the European data base











www.aldren.eu

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