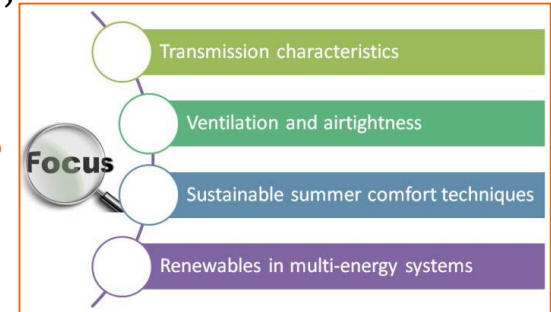


# Towards improved compliance and quality of the works for better performing buildings

The challenges related to energy efficiency in buildings are wide-ranging. Among others, concerns existed regarding the quality of the works and the compliance of Energy Performance Certificate declarations. An improvement of compliance and quality frameworks is necessary but can only become effective if there is strong commitment from all stakeholders. QUALICheck responds to this challenge by:

- providing **evidence** in respect to status on the ground;
- highlighting best practices for easy access to **compliant EPC input data**, delivery of improved **quality of the works**, and more effective **compliance frameworks**;
- raising **awareness** and **engaging** in dialogue with major market players.



## Results:

- Analysis of **prerequisites and documentation** of possible approaches for: compliant EPC input data procedures, good quality frameworks, and frameworks for better compliance and effective penalties.
- Active engagement of **authorities and stakeholders** on compliance and quality issues: national concertations, European QUALICheck Platform, ...

EU Member States are currently preparing the adaptation of their national legislation in relation to the review of the Energy Performance of Buildings Directive, the Directive on the promotion of the use of energy from Renewable Sources, and the Energy Efficiency Directive. However, the practical challenges to implement **Nearly Zero-Energy Buildings** and achieving minimum shares of **Renewable Energy** remain tremendous.

Though MS are imposing stimulating requirements, there are various indications of concern regarding:

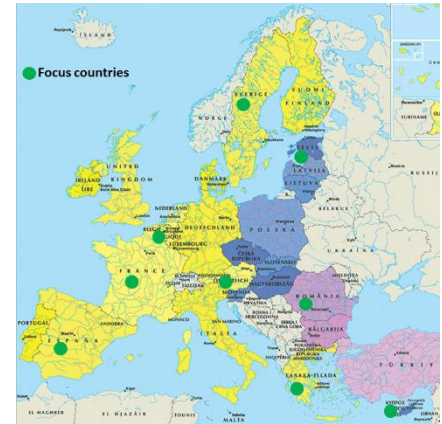
- The **compliance of the Energy Performance Certificate declarations**; the claimed energy performance is often found to be different from reality.
- The **quality of the works**; when quality does not support the expected energy performance, the lifecycle results of the relevant investments will not be in line with the expectations of the investments and the profitability/viability of these investments will be at risk.

The above factors are fundamental to achieve the desired objectives. In the opposite case, **societal and political support** might be lost.

At the same time, **compliance** requires strong commitment from authorities and other major players, as well as sufficiently broad societal support.

Combining existing studies and experience with the collection of new data in 9 focus countries, QUALICheck provided evidence for better understanding the **situation on the ground**, as far as **EPC input data**, **quality of the works** and **compliance** are concerned.

Extensive analysis and structured documentation of collected notable examples followed in respect to:







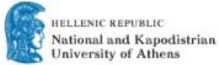









- Quality of the energy related building works: QUALICheck defined **boundary conditions** which stimulate and allow the building sector to **deliver good quality** of the works.
- Implementation of building energy regulations and actual compliance with the claimed energy performance: QUALICheck identified **challenges** and provides best cases of **frameworks** which force people to **do what they declare**.

Most importantly, **active engagement** of authorities, industry and other **stakeholders** (through both national concertations, as well as European initiatives, e.g. the QUALICheck Platform, EU QUALICheck conferences, ...), and several **outreach** activities, increased awareness and understanding of the present situation, as well as market impact, and drives the development and implementation of compliance and quality procedures.

Supported by well documented and structured information on **the situation on the ground** and the **analysis of real case examples**, and **engaging** policy makers, the construction industry and buildings supply chain, building owners, as well as other societal supportive actors (financing institutions, insurance companies,...) into dialogue, QUALICheck has contributed to **accelerating the process** for effective compliance with building energy regulations and improved quality of the works, while **increasing societal support** for stricter compliance frameworks, as well as for explicit requirements in respect to quality of workmanship which influences energy performance of buildings.



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