

# EPC compliance

## Good practices and guidance

François Durier

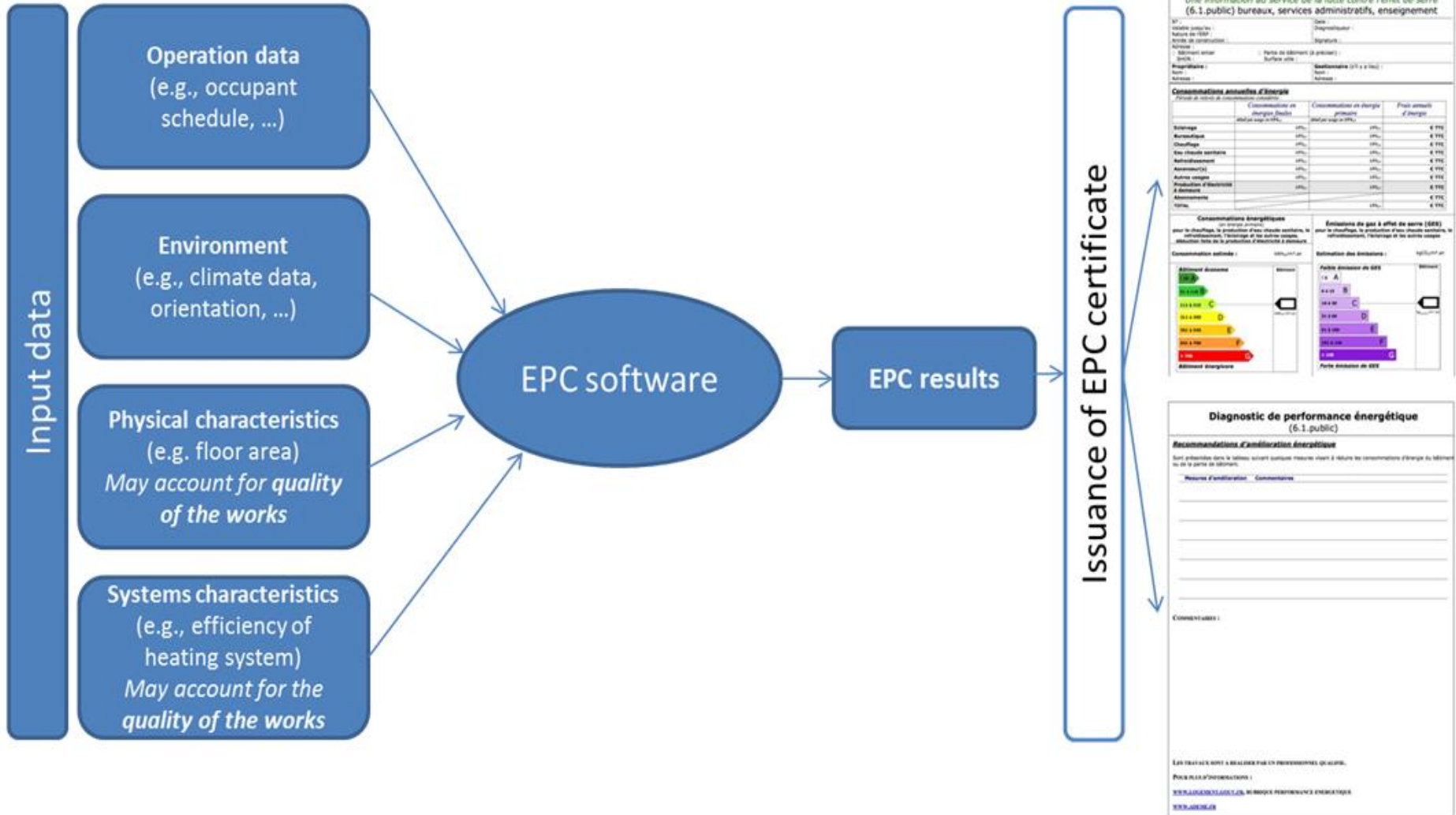


QUALICHeCK Webinar, 28 February 2017



# EPC

## Energy Performance Certificate



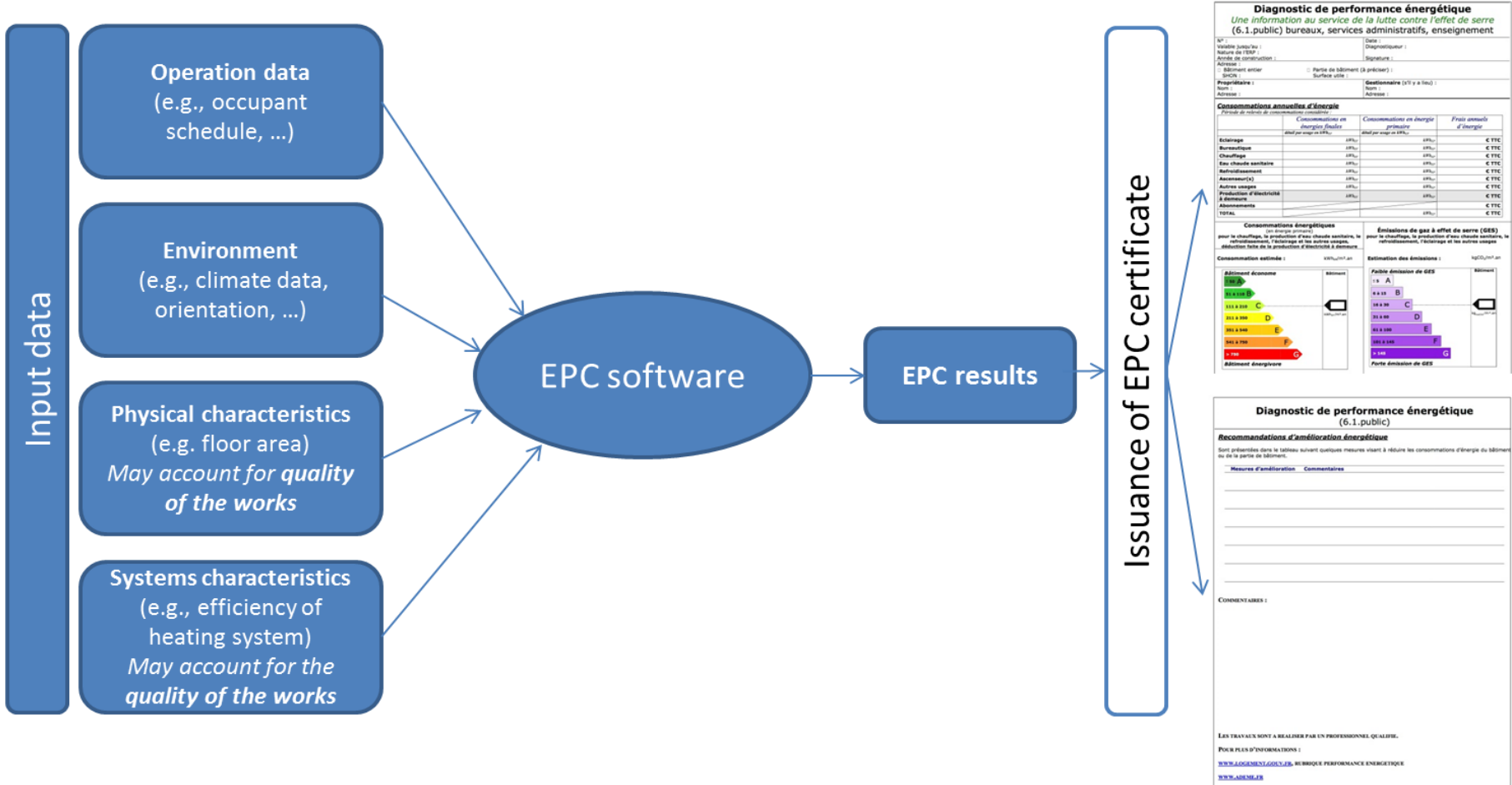
- An Energy Performance Certificate
- An EPC input data

is **compliant** if

established by following the procedures of the applicable legislation.

*compliant ≠ accurate*

*compliant ≠ close to the true/actual value*



**Qualified experts**

**Determine the input data.**  
Depending on context, this may take into account quality of the works issues (e.g., in-use factors in the UK)

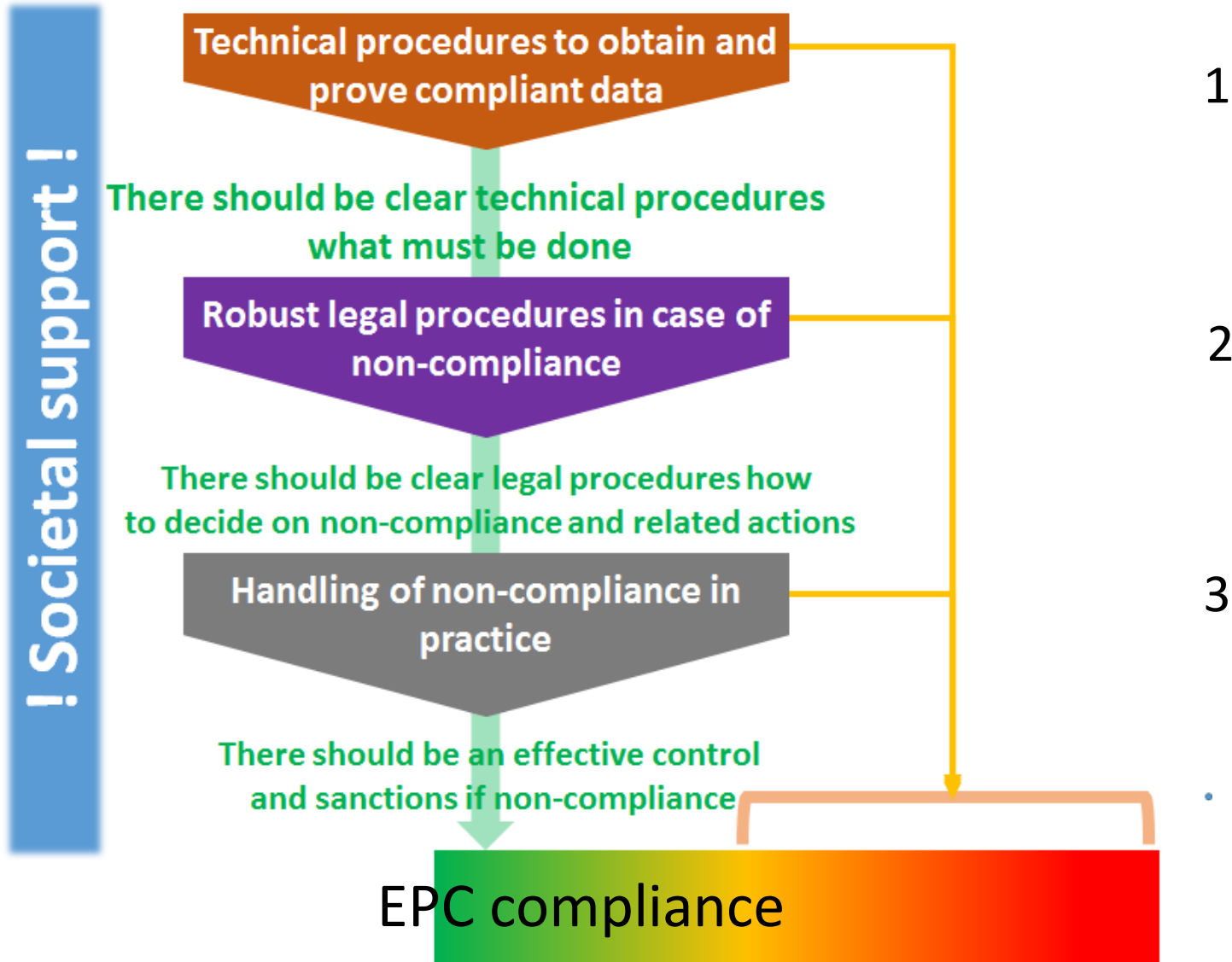
Use the input data in the EPC software

Analyse the EPC results

**Give recommendations for energy efficiency measures**

- Non-compliance types:**
- Procedures not followed
  - Wrong values
  - Evidence missing

- Non-compliance types:**
- Wrong EPC
  - EPC does not fulfill minimum requirements



	Ways to prove compliance of input data		
Ways to find input data	Independent third-party control	Declaration that procedure has been followed	Proven competence of persons/companies
Made available by manufacturer			
Found into database			
Recorded			
Measured on site			
Fixed by legislation (default values, fixed average values, pre-calculated values)			

# Compliant input data: examples

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Found into database	Control by database operator	Declaration by persons or companies filling in database	Qualification of persons or companies for filling in database
Recorded	Control on a representative or random sample?	Declaration by persons/companies who record, measure or choose data	Qualification of persons/companies for recording, measuring or choosing data
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**Only if foreseen by the applicable legislation**



# QUALICHECK Deciding on non-compliance? Handling of non-compliance in practice?

- Implement checks of compliance with clear procedures
- Identify who is responsible for compliance
- Define penalties based on factual evidence of non-compliance, with clear pre-defined liabilities

- A number of interesting examples have been identified and documented:
  - Product characteristics **databases**
  - **Certification** of products
  - **Guidelines** for choosing input data
  - Training and **qualification** of experts
  - EPC established not only at building permit but **after building completion**
  - Usefulness of **EPC database** for deciding about checks
  - **Checking strategies**: sampling, focusing on certain aspects
  - Checking **procedures**
  - Clearly defined **sanctions and penalties**
  - ...

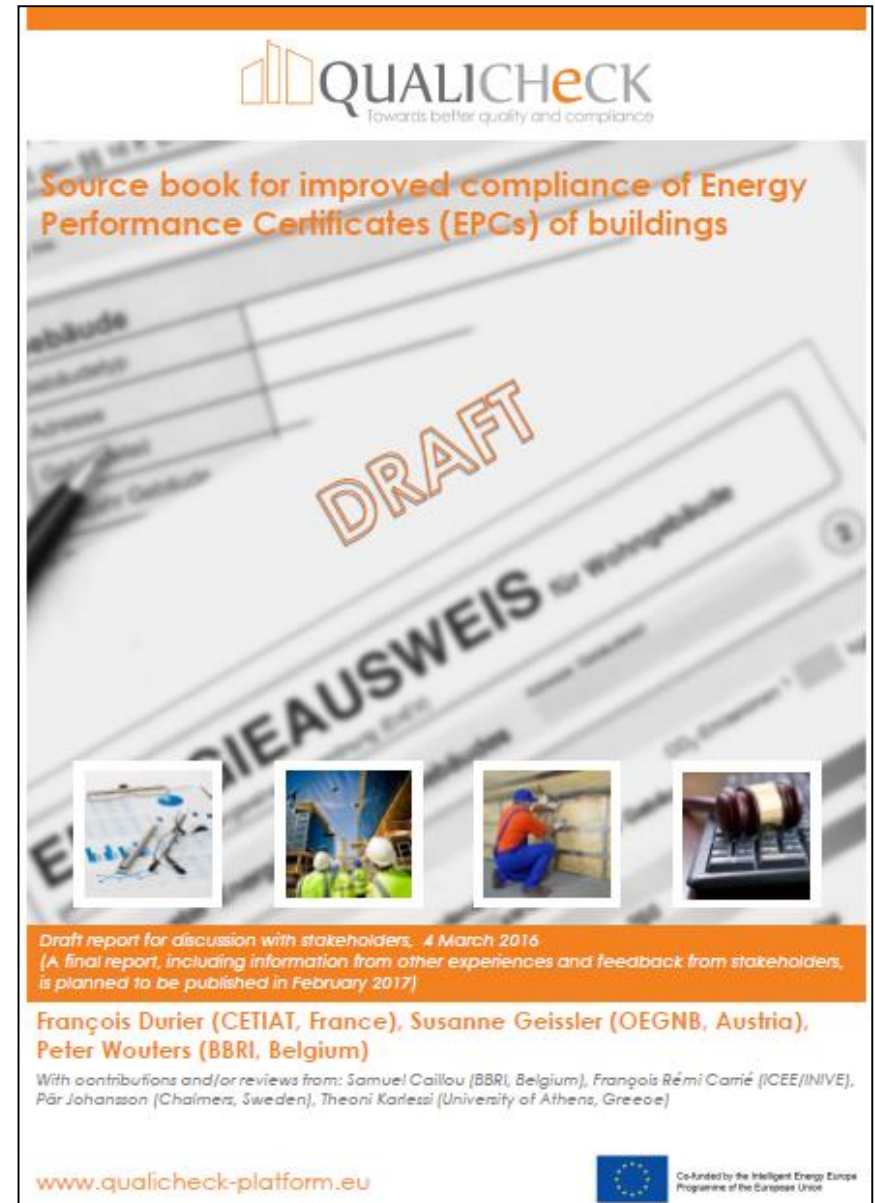
# Source book on the compliance of Energy Performance Certificates

+ fact sheets

+ booklet + reports

+ presentations at workshops, webinars, conferences

<http://qualicheck-platform.eu>

The image shows the cover of a source book. At the top is the QUALICheck logo with the tagline "Towards better quality and compliance". Below the logo is the title "Source book for improved compliance of Energy Performance Certificates (EPCs) of buildings" in orange text. The background is a blurred image of a document with a large orange "DRAFT" watermark and the text "ENERGIEAUSWEIS für Wohngebäude". At the bottom, there are four small square images: a person at a computer, construction workers, a person in a blue uniform, and a gavel on a scale. Below these images is an orange banner with the text: "Draft report for discussion with stakeholders: 4 March 2016 (A final report, including information from other experiences and feedback from stakeholders, is planned to be published in February 2017)". Below the banner, the authors are listed: "François Durier (CETIAT, France), Susanne Geissler (OEGNB, Austria), Peter Wouters (BBRI, Belgium)". Below that, it says "With contributions and/or reviews from: Samuel Caillou (BBRI, Belgium), François Rémi Carrié (ICEE/INIVE), Pär Johansson (Chalmers, Sweden), Theoni Karlessi (University of Athens, Greece)". At the very bottom, the website "www.qualicheck-platform.eu" is listed on the left, and the European Union flag and "Co-funded by the Intelligent Energy Europe Programme of the European Union" are on the right.

Thank you for your attention



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