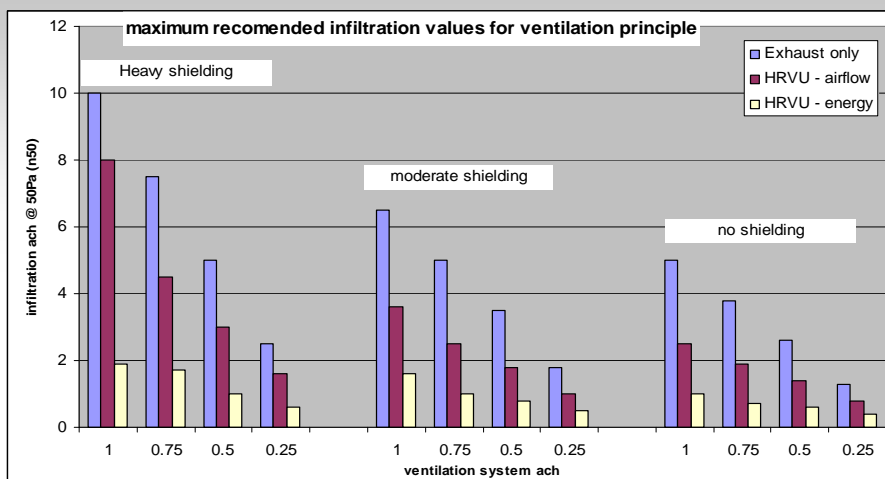
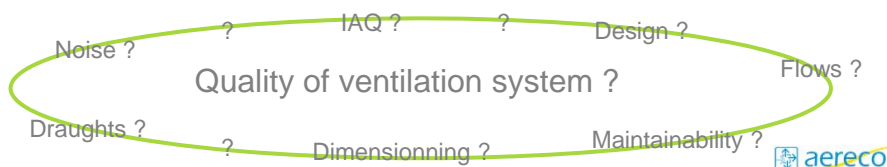


Ventilation system ?

TC 156 : mid 80' – first work (WG1) : définitions (EN 12792)

Long process to come to a common definition for « ventilation system »

ventilation system	Combination of the ventilation installation and the building itself.
ventilation installation	combination of all components required to provide ventilation
Ventilation	designed supply and removal of air to and from a treated space
treated space	enclosure served by an air distribution system



In 2013 very few national regulation propose to recognise this interaction by promoting different ventilation system depending on the air-tightness measurement or design.

Product standards : EN 13141' serie : one standard for one product

EN 13142 : Required and optional performance characteristics

The use of product standards :

- allows clear comparison of characteristics between products and fair competition.
- gives accuracy of results and limits,
- limits interpretation and misunderstanding
- ensures complete information for design and dimensionning.
- gives a strong basis for further certification schemes
- is essential for the final quality of ventilation systems

Product-system standards : maintenance, cleanliness, checking ...

1 Scope

This standard develops the methodology required for the inspection of mechanical and natural ventilation systems in relation to its energy consumption.

...

It is not the intention of the standard to provide a full ventilation system audit. Its purpose is to assess its functioning and its impact on energy consumption. It includes recommendations on possible system improvements.

Methodology

Recommendations for improvements

System standards : criteria, design, dimensioning ... impacts



System standards : criteria, design, dimensioning ... impacts

EN 15251 Indoor environmental input parameters for design and assessment of energy performance of buildings addressing indoor air quality, thermal environment, lighting and acoustics

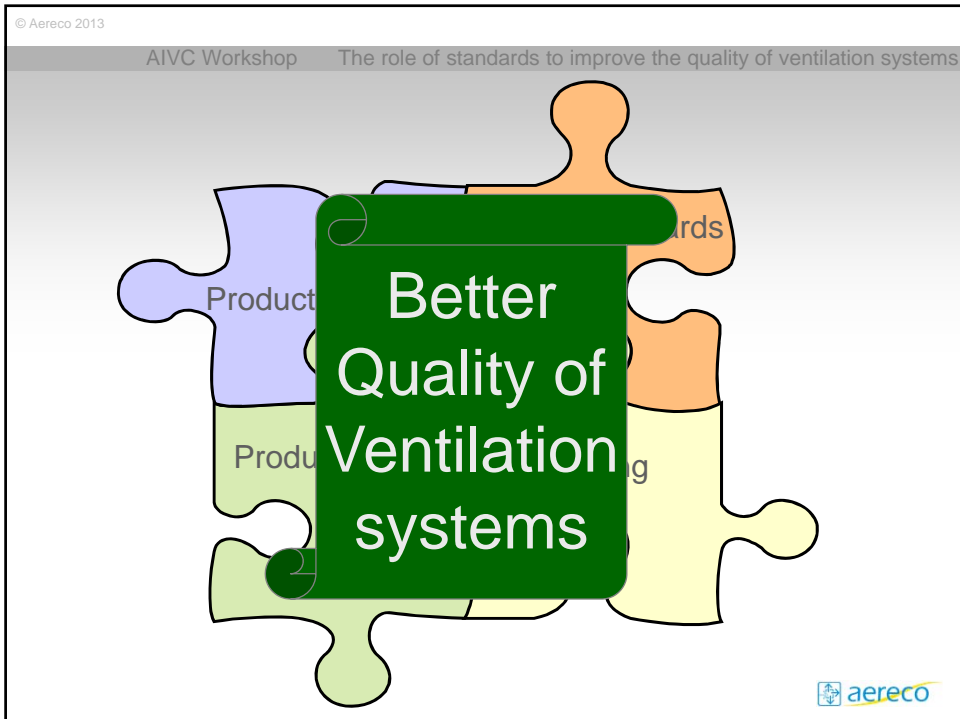
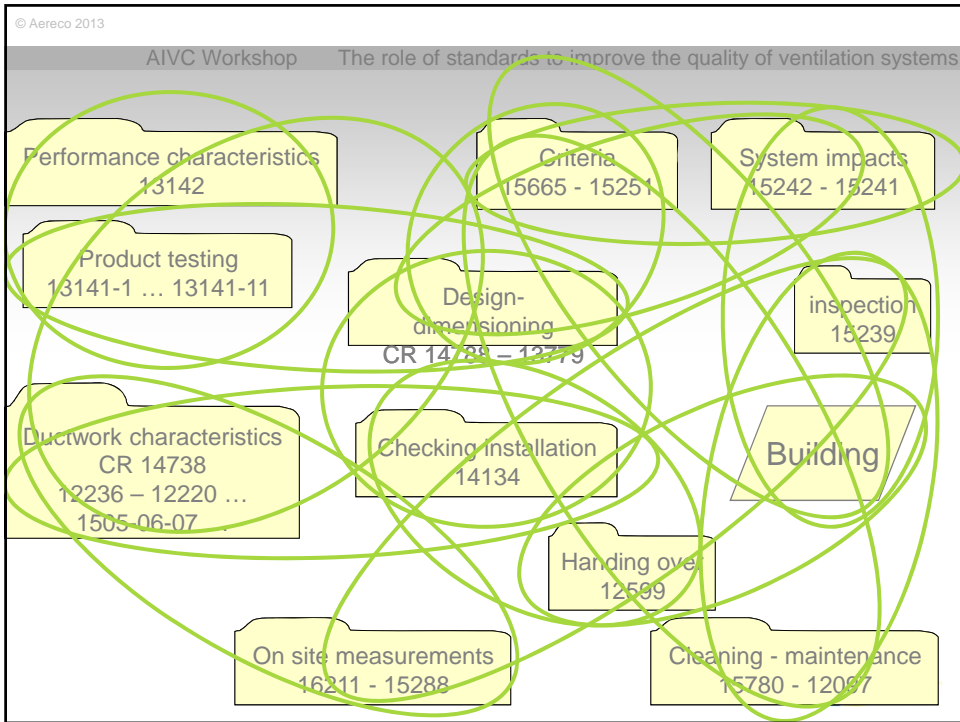
EN 15665 Ventilation for buildings — Determining performance criteria for residential ventilation systems.

TR 14788 Ventilation for buildings — Design and dimensioning of residential ventilation systems.

EN 13779 Ventilation for non-residential buildings – Performance requirements for ventilation and room-conditioning systems.

EN 15241 Ventilation for buildings — Calculation methods for energy losses due to ventilation and infiltration in buildings.

EN 15242 Ventilation for buildings — Calculation methods for the determination of air flow rates in buildings including infiltration.



Thank you for your attention



More information : <http://www.aereco.com>