



## International workshop

### Quality of Methods for Measuring Ventilation and Air Infiltration in Buildings

## PROMEVENT : Improvement of measurement protocols used to characterize ventilation systems performance

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## PROMEVENT : Improvement of measurement protocols used to characterize ventilation systems performance

### Context :

- Energy-efficient buildings
  - More airtight
  - Technically advanced mechanical ventilation systems
    - **Many dysfunctions are observed**



### **Maintain a good air change**

- Information – Training – Control

## PROMEVENT : Improvement of measurement protocols used to characterize ventilation systems performance

### Controls : 3 major cases

- Regulatory compulsory control
- Buildings applying for new Effinergie label (Effinergie +)
- IAQ issues

### Control protocols used :

Regulatory control, Effinergie, HQE and OQAI protocols, DIAGVENT method, EN 12599, PrEN16211 ...

### Issue : Are all of those protocols sufficient reliable ?

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### PROMEVENT

*8 French partners - proposed to a call for proposals launched by ADEME*

### Objectives

- Evaluate the reliability of those actual protocols
- Propose (a) more reliable protocol(s)
- Test the new protocol : reliability, repeatability & feasibility

### Deliverables

- A practical guide
- Contribution for a new standard



**Cerema**

Centre d'études et d'expertise sur les risques,  
l'environnement, la mobilité et l'aménagement

**Thank you for your attention**

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