

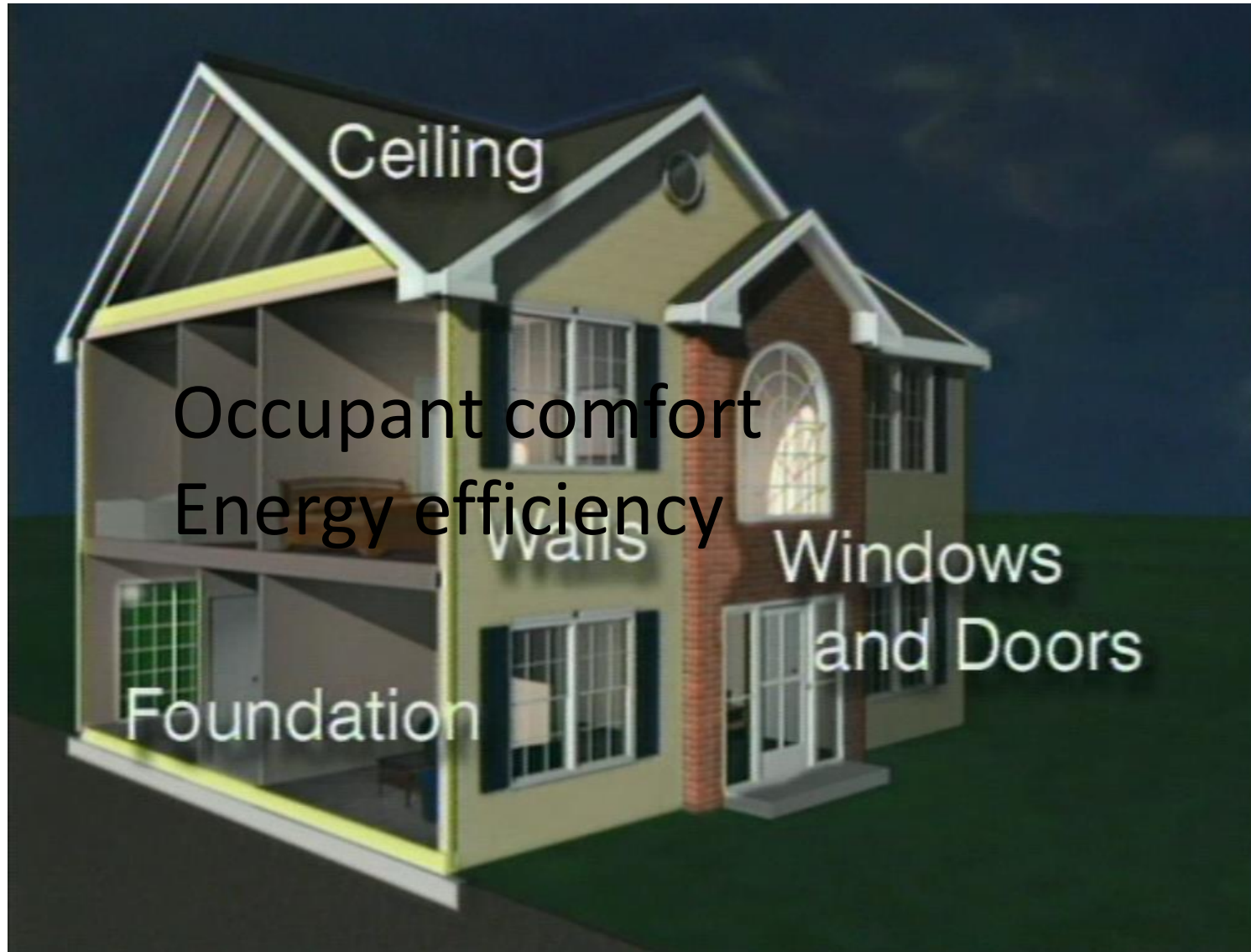
Performance énergétique des bâtiments: diagnostic et audit énergétique.

M. Barbar ZEGHONDY

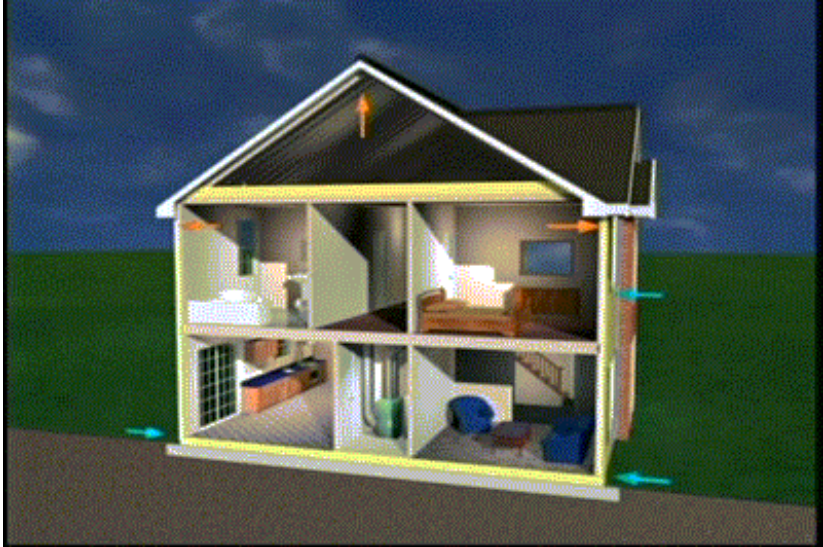
Partenariat

Dr Maroun Nemer Directeur du Centre: CES - Centre Efficacité
Énergétique des Systèmes (mines paristech)

Problématique et objectifs

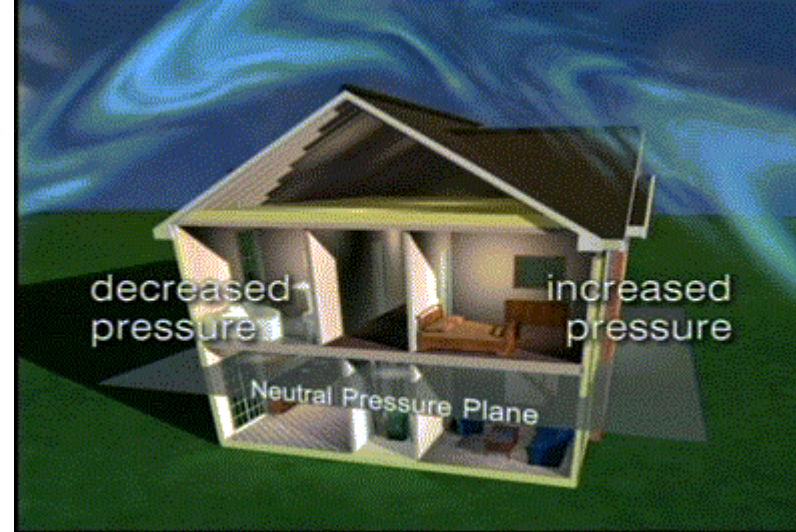


Déperditions dues aux fuites d'air



Effet de tirage

- Infiltration
- Exfiltration



Effet du vent



Effet de Système
(Ventilation)

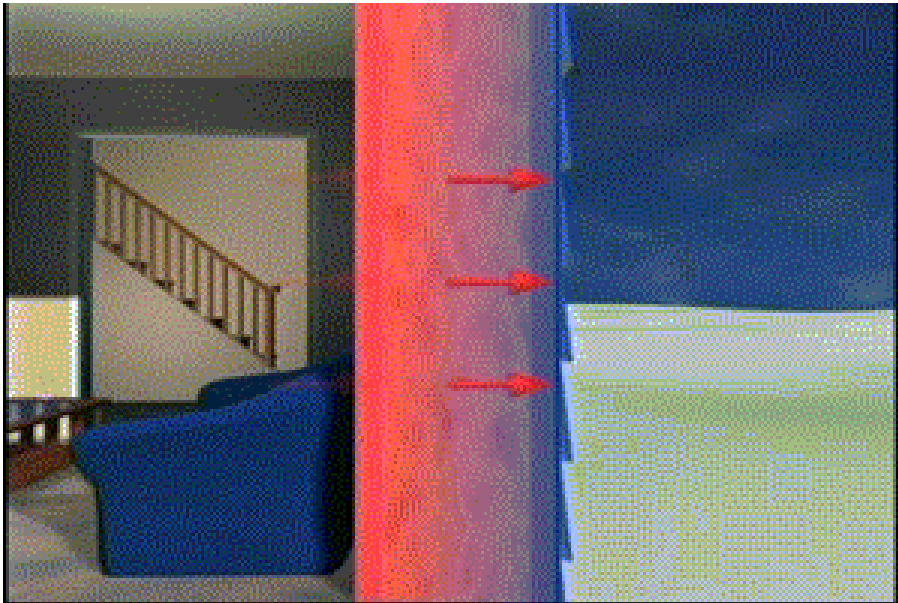


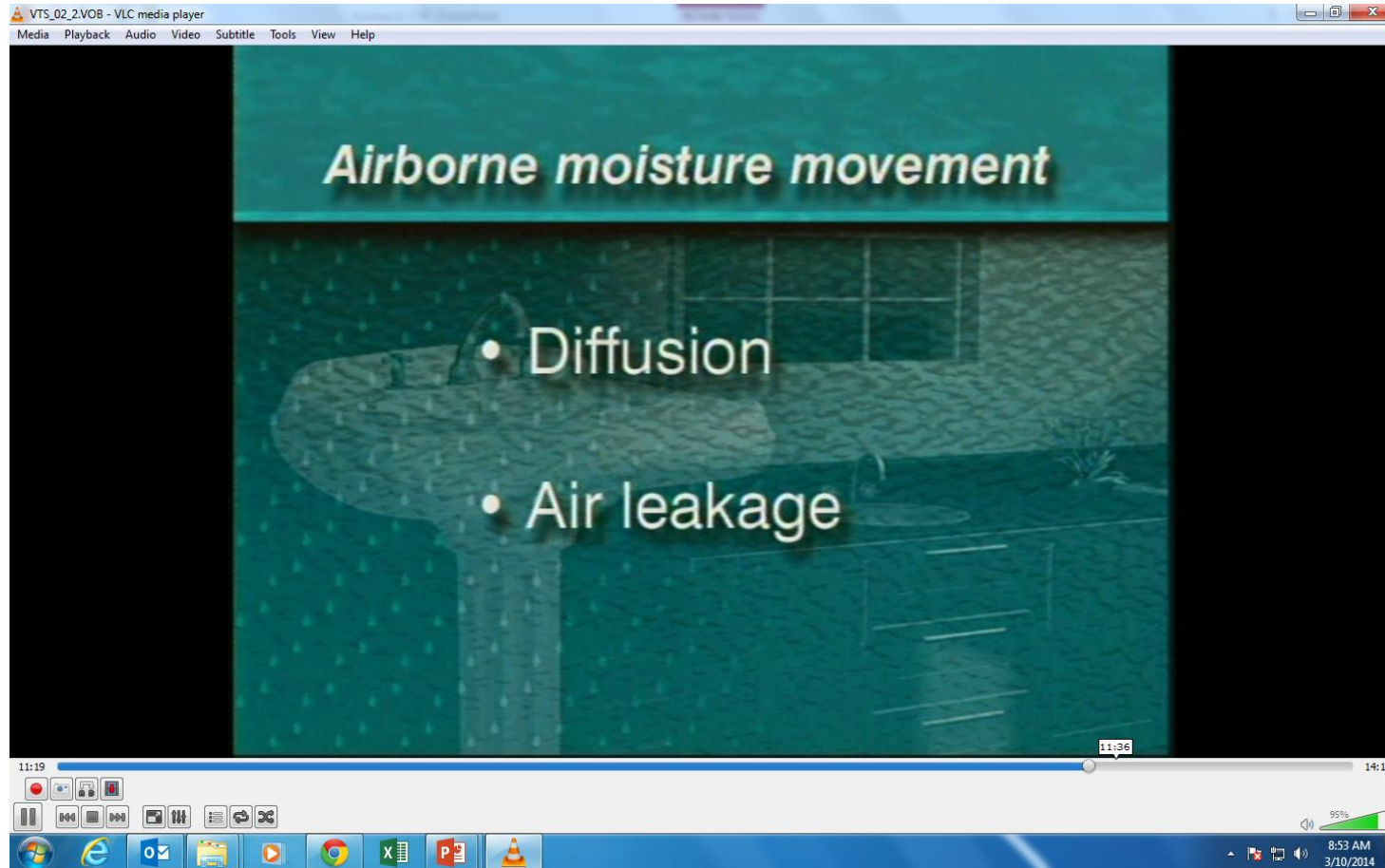
Effet de combustion

Déperditions dues aux transferts

Thermique

Humidité



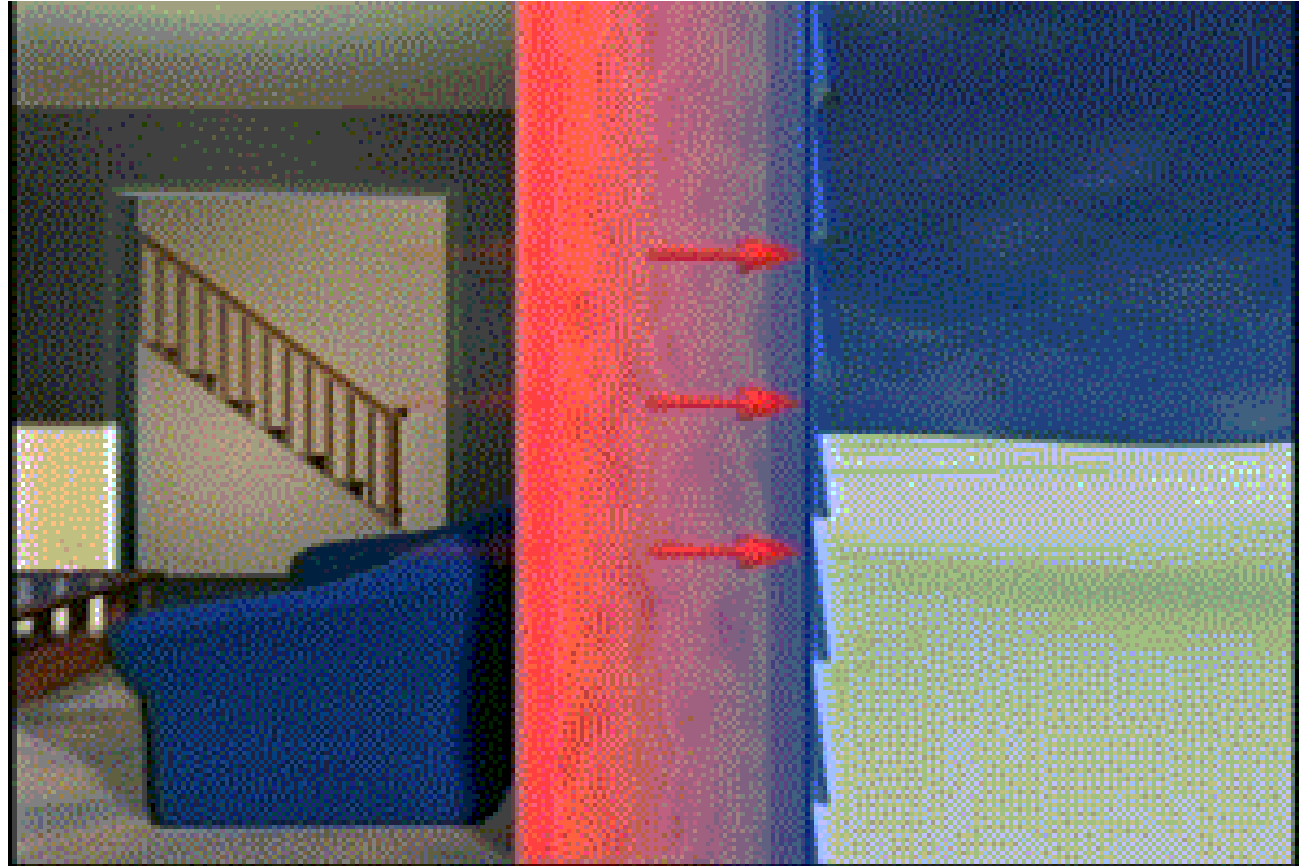


The image shows a screenshot of a VLC media player window. The window title is "VTS_02_2.VOB - VLC media player". The menu bar includes "Media", "Playback", "Audio", "Video", "Subtitle", "Tools", "View", and "Help". The main video area displays a presentation slide with a dark teal background and a faint image of a building. The slide text is as follows:

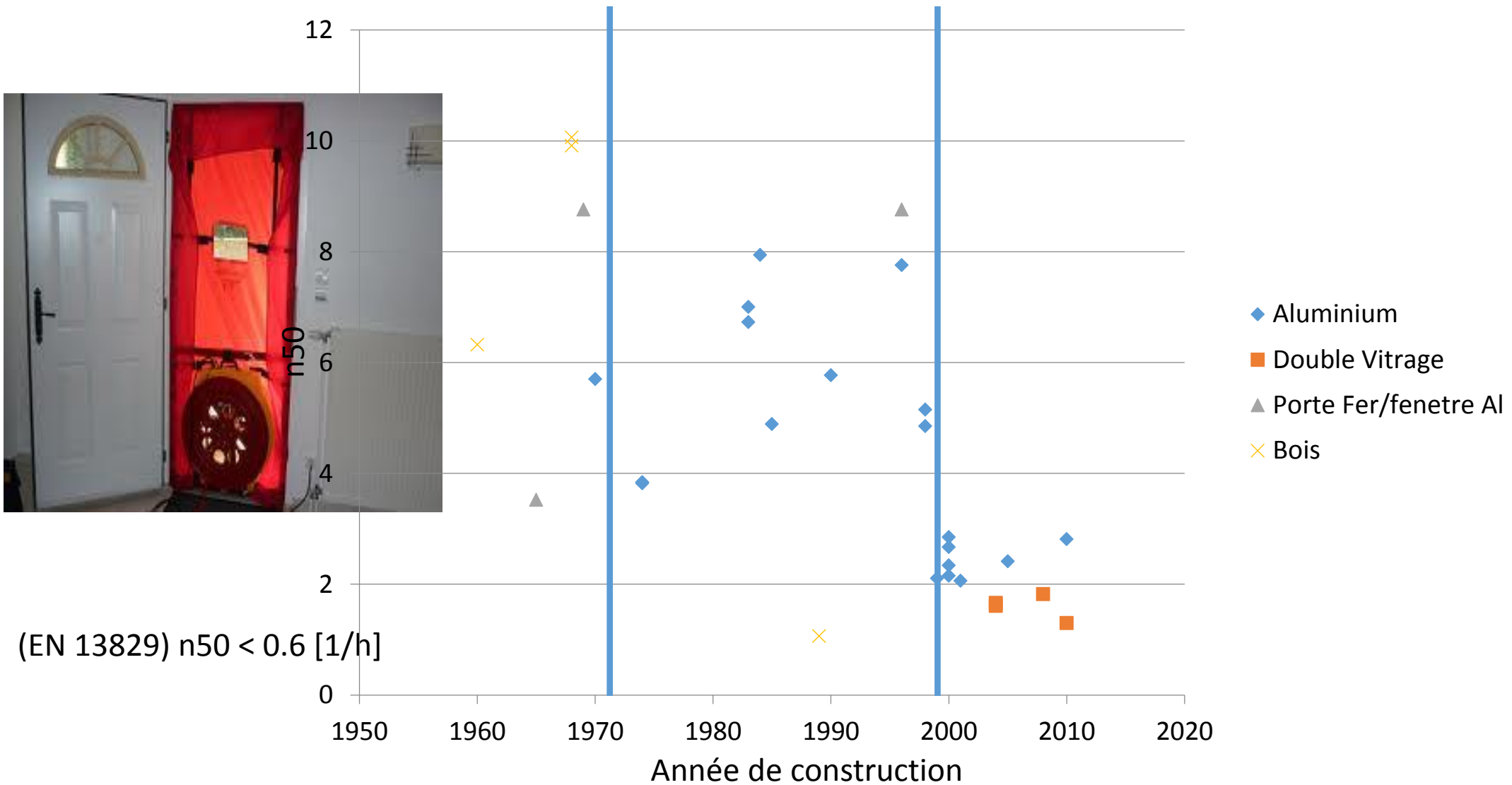
High permeability materials permit diffusion

- Brick
- Gypsum board (drywall)
- Fibrous insulation

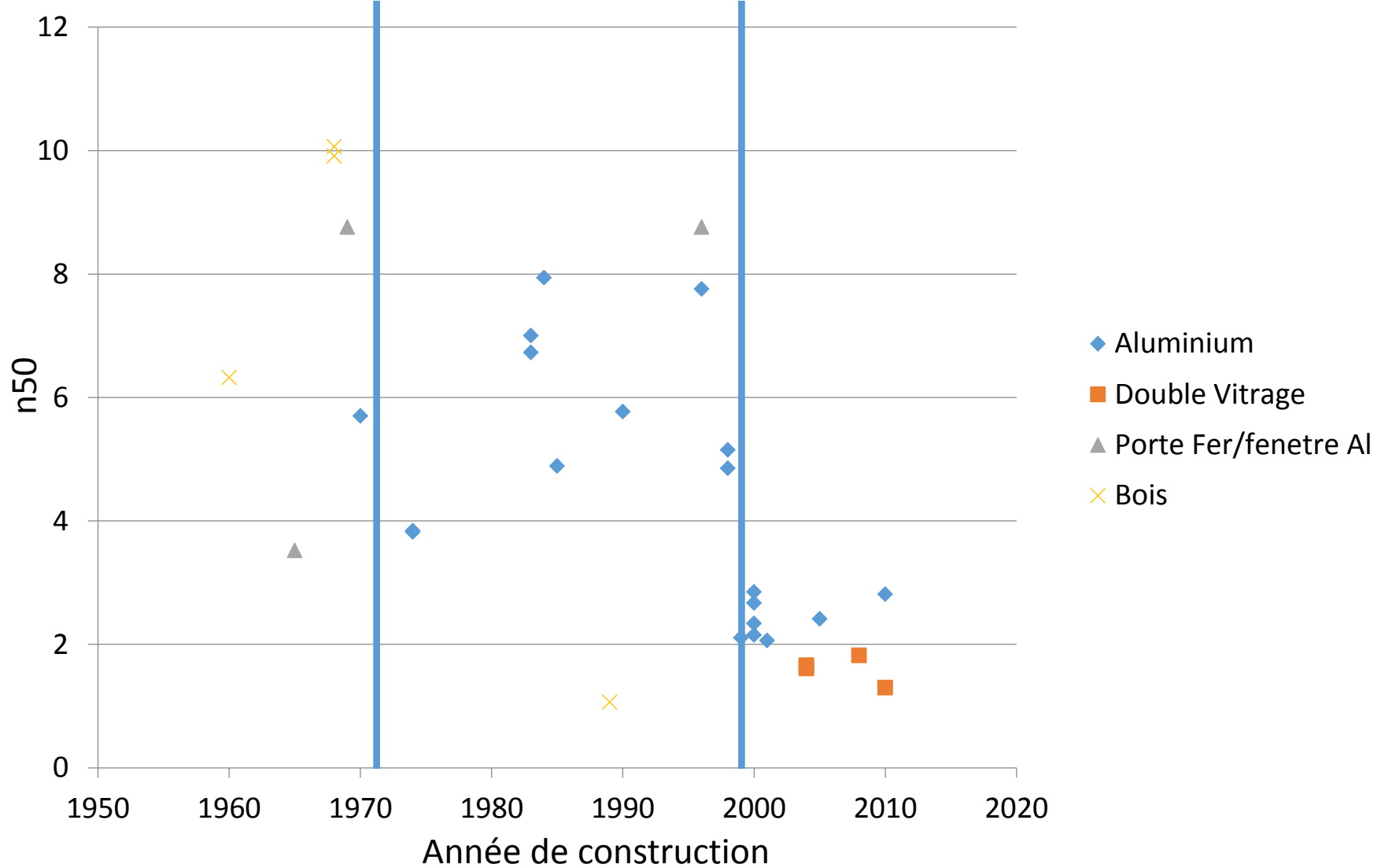
At the bottom of the video area, there is a progress bar showing the current time as 11:26 and the total duration as 14:12. Below the video area is the Windows taskbar, which includes the Start button, several application icons (Internet Explorer, Outlook, File Explorer, VLC, Chrome, Excel, PowerPoint, and a traffic cone), and the system tray showing the time as 8:54 AM on 3/10/2014 and a volume indicator at 95%.



Résultats obtenus: Perméabilité à l'air (BDT)



Résultats obtenus: Perméabilité à l'air



Résultats obtenus : thermographie infrarouge

- Aboutissements concrets de la recherche (publications, congrès, application pratique, public concerné,....)
- Perspectives

Aboutissements concrets de la recherche
(publications, congrès, application pratique, public
concerné,....)

- Perspectives

Perspectives

- Continuer les mesures
- Modélisation
- Règlementations