How do we research air quality?

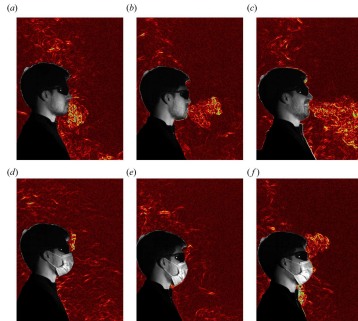*What happens in Pav. H?*

UNIVERSITY OF CAMBRIDGE

World Ventil8 Day

Visualising ventilation

In the lab
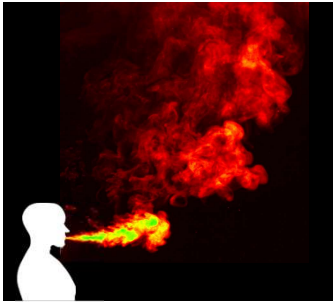
Using salt water experiments

(a) (b) (c) (d) (e) (f)
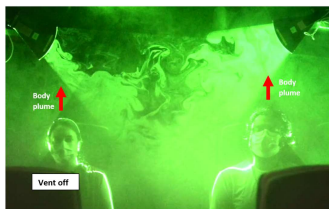
Using synthetic schlieren

Using smoke

On a train carriage

In the department

With CFD
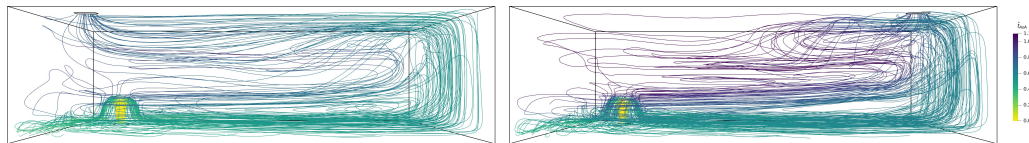
Of a generic naturally ventilated classroom

Monitoring air quality

24.0°C 53
683
aranet4

You might have seen sensors like this around the department

They monitor air quality in real time and can help assess the performance of the ventilation system.

We have also been monitoring:

- Train carriages
- Vans
- Prisons
- Classrooms
- Lecture theatres
- Offices

Ongoing projects and networks

SAMHE
SCHOOLS' AIR QUALITY MONITORING FOR HEALTH AND EDUCATION

track
TRANSPORT RISK ASSESSMENT for COVID KNOWLEDGE

TAPAS
Tackling air pollution at school

PROTECT
A COVID-19 National Core Study

Breathing City
Future Urban Ventilation Network