

The Dynamic Classroom:

Using smart monitoring systems to improve air quality in schools

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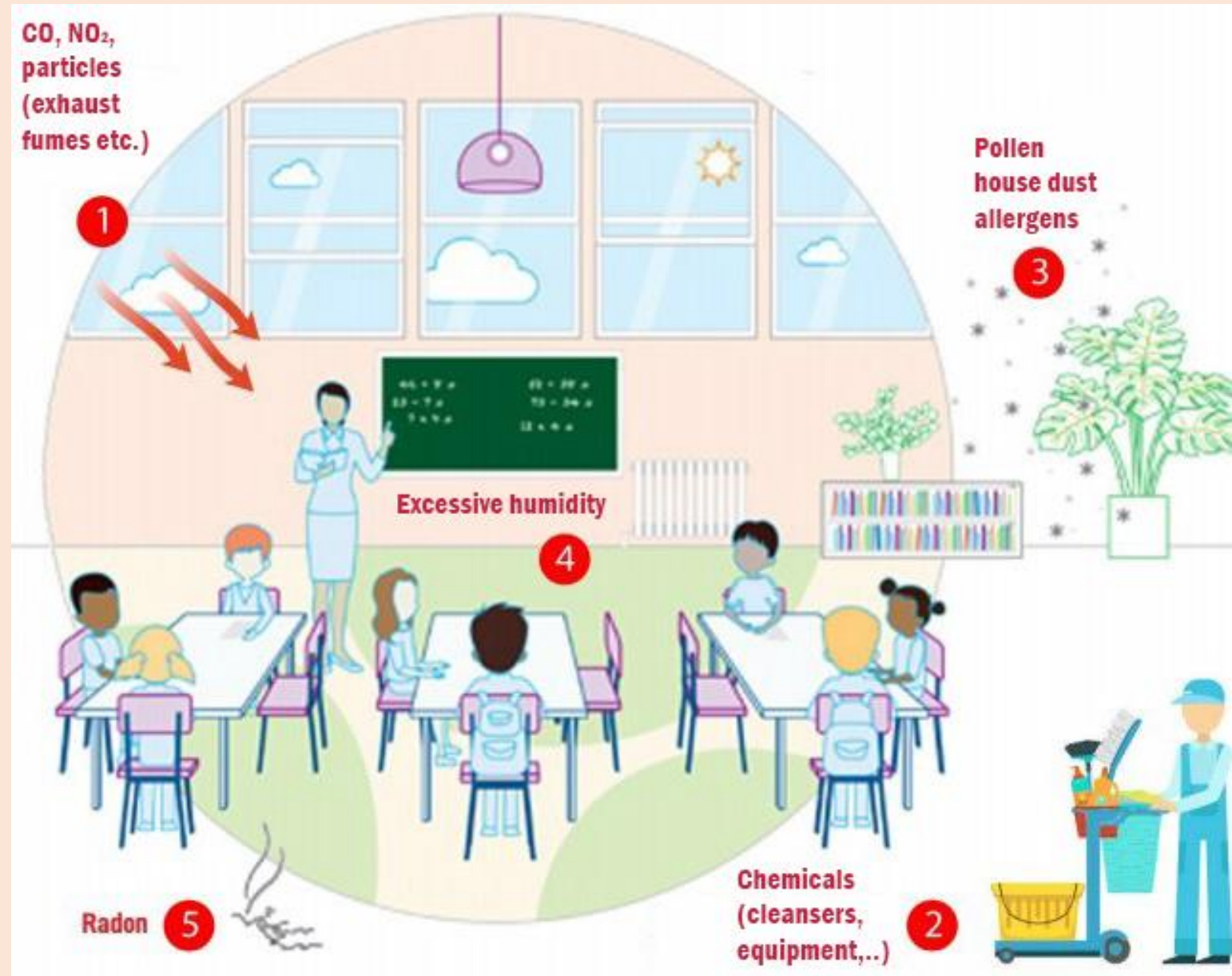
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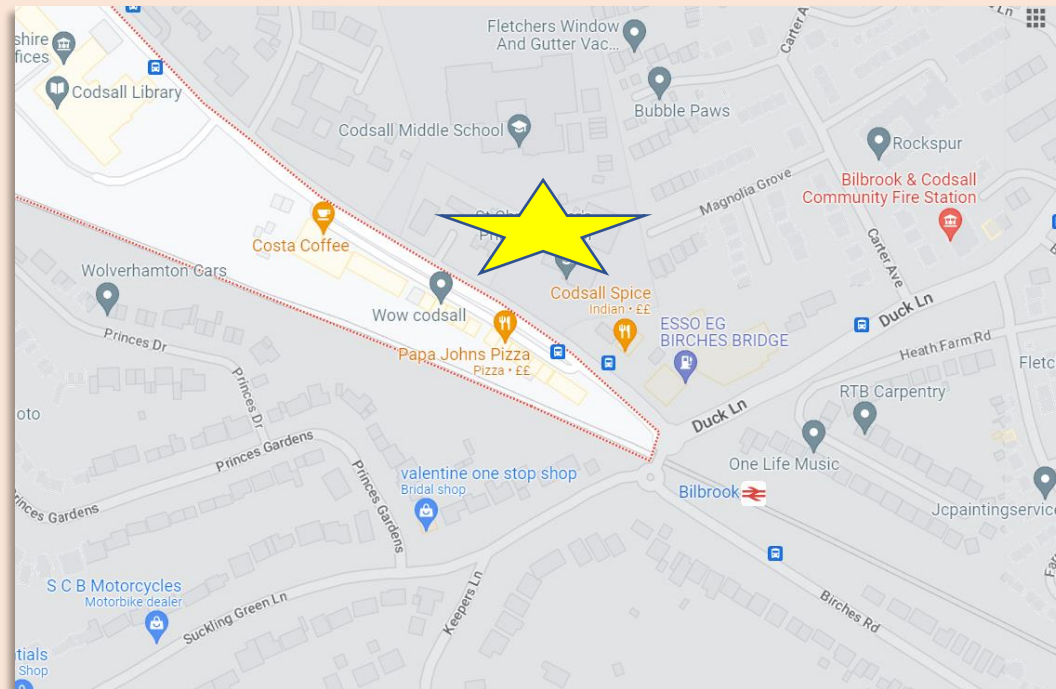
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The project setting

Part of a Multi Academy group

- *Commuter roads*
- *Train line and stations*
- *Town centre*
- *Parking for shops*
- *Petrol station*



The research approach

- Co-located measurements with the 3 sensors to ensure data outputs match
- Measuring indoor air in the fully operational 'dynamic' classroom as well as standard classroom for one month
- Measuring outdoor air from just outside of the classrooms for same period
- Looking for indoor/outdoor relationships in air pollutants
- Evaluating impact of the 'smart' window by investigating relationships between window 'position' and air quality parameters with time

