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Impact of IAQ in Schools: New Literature Review

Brussels, London, 30 September 2025. Eurovent and UKHSA jointly release a scoping review examining the impact of indoor air quality and thermal conditions in educational buildings on health, well-being, performance, and absenteeism.

Eurovent and the UK Health Security Agency (UKHSA) are pleased to announce the release of a comprehensive literature review published in *Environments*, an international, peer-reviewed, open-access journal on environmental sciences. The literature review titled 'Impact of Indoor Air Quality, Including Thermal Conditions, in Educational Buildings on Health, Wellbeing, and Performance: A Scoping Review' explores the far-reaching effects of indoor environmental quality (IEQ) in schools, nurseries, and universities on occupant health, well-being, academic performance, and absenteeism.

The review synthesises interdisciplinary research to map current evidence and highlight gaps in the understanding of how IAQ and thermal conditions impact psychological and physiological outcomes in educational settings. Key insights include correlations between poor IEQ and increased absenteeism, diminished cognitive performance, and adverse health symptoms, particularly among children and young adults.

UK Health Security Agency (UKHSA) Principal Public Health Specialist, Sani Dimitroulopoulou, stated that: "While evidence grows on how indoor environment affects school children's health, we must better understand how environmental interventions enhance learning. Together with Eurovent, we have mapped out how future gains in educational outcomes, driven by improved indoor environmental quality, can be quantified. This is the key to supporting every child's academic growth and well-being.

Eurovent Deputy Secretary General, Stijn Reneeboog, added: "In partnership with UKHSA and drawing on an extensive body of scientific literature, our project shows that poor classroom environments affect children's health and learning. With these results now published, we hope to support investment in healthier schools that deliver long-term educational and societal benefits."

The review is designed to guide policymakers, school administrators, health authorities, building engineers, and educators in creating environments that support optimal learning and development. The publication, available as open access in *Environments*, marks an important milestone in Eurovent and UKHSA's joint efforts to improve indoor health standards across educational institutions.

The literature review can be downloaded free of charge on the [Environments website](#).

Related documents and links

All related documents and links can be found below.

- Eurovent and UKHSA logo files
- Press images
- PDF version of the Press Release

About Eurovent

Eurovent is the voice of the European HVACR industry, representing over 100 companies directly and more than 1.000 indirectly through our 16 national associations. The majority are small and medium-sized companies that manufacture indoor climate, process cooling, and cold chain technologies across more than 350 manufacturing sites in Europe. They generate a combined annual turnover of more than 30 billion EUR and employ over 150.000 Europeans in good quality tech jobs.

Mission

Eurovent's mission is to bring together HVACR technology providers to collaborate with policymakers and other stakeholders towards conditions that foster fair competition, innovation, and sustainable growth for the European HVACR industry.

Vision

Eurovent's vision is an innovative and competitive European HVACR industry that enables sustainable development in Europe and globally, which works for people, businesses, and the environment.

→ For in-depth information and a list of all our members, visit www.eurovent.eu