

SCoolAir



Short Name

SCoolAir

Formal Name

SCoolAir: Empowering schools for air quality action

Contact Person

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Institution/Organisation

Politecnico di Torino

Website

Coming Soon

Social Media

Coming Soon



Understanding how scientific tools and methods could be part of everyday life, to enhance public engagement and air pollution awareness



Summary

How does the air we breathe indoors relate to the environment outside?

SCoolAir is a hands-on citizen science project that turns students into scientists, uncovering the hidden relationships between outdoor and indoor microclimates. By combining scientific measurements with participatory self-tracking, the project makes air quality, temperature, and comfort tangible. Students and teachers work together to collect real-world data, helping researchers validate air dispersion models and study how environmental conditions affect well-being.

Through a specially designed curriculum by teachers and researchers, students learn about sensor technology, environmental science, and the impacts of air quality on health. They don't just observe; they build, measure, and analyse, fostering a deeper connection to their surroundings. The project also creates a blueprint for other schools. By making the invisible visible, SCoolAir inspires the next generations to take care of the air we breathe.