

Temperature and humidity in schools

Our study was conducted at Nannaschool, which was originally built in 1879. The school underwent extensive remodeling in the 1960s to modernize and adapt to new needs. Today, 450 students attend Nanna School, which is divided into four floors. On each floor there are corridors where the classrooms are located.

The reason why we chose to measure in the classroom at the far end was that these rooms are less frequented by students. In the stairwells, many students move every day, and the large number of people can cause rapid changes in temperature and humidity. When many people walk through a stairwell, the air can become warmer and more humid as more people exhale and touch the next one. The classrooms at the far end of the corridors, on the other hand, are quieter, allowing us to

get a better picture of how the climate is affected in an area with fewer people.

To make our measurements even more representative, we also compared the results from the indoor environments with those we got outdoors. We wanted to investigate the weather conditions such as wind, temperature and humidity outside the school had any effect on the climate inside. By making this comparison with a broader understanding of how both the movement of people and the external weather conditions can affect air quality and comfort in different parts of the school.