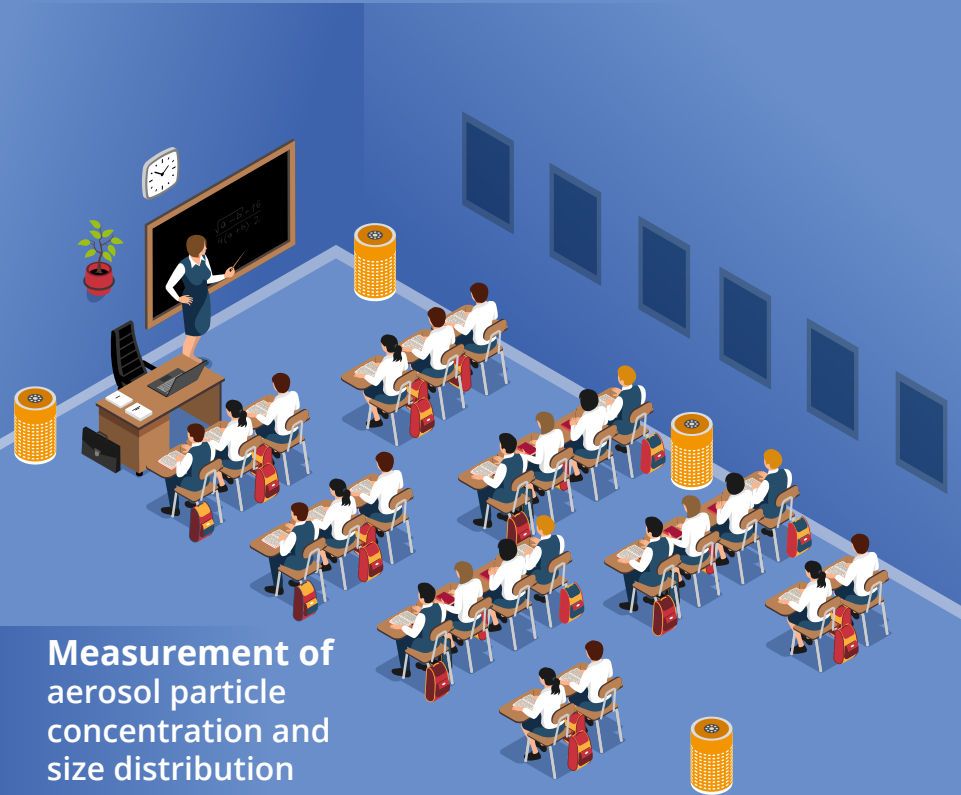





Back to School: Learning If Air Purifiers Can Lower COVID-19 Transmission Risk in Closed Spaces

Four air purifiers (AP) equipped with high efficiency particulate air (HEPA) filters installed in a closed high school classroom



Measurement of aerosol particle concentration and size distribution

Within    $>90\%$ ↓
in aerosol concentration

This reduction was homogeneous across the classroom

Multiple smaller HEPA-AP units could be more advantageous than one large unit for achieving high air exchange rates and homogeneous mixing throughout the room

In schools and other enclosed spaces, mobile air purifiers are a potential solution for reducing the risk of airborne COVID-19 virus transmission

