The German Environment Agency (UBA) and the Leibniz Institute for Tropospheric Research (TROPOS) invite you to an Intercomparison Workshop on Portable Mobility and Wide-Range Particle Size Spectrometers for Indoor and Outdoor applications

Date: January 27-31, 2020

Venue: WCCAP at TROPOS, Leipzig

Air quality investigations require particle number size distributions to be measured in a range of environments including public and private indoor spaces, workplaces, and outdoors. Often, the task is to quickly capture the level of concentrations in a particular site, or to identify point sources. In monitoring studies, one seeks to obtain representative particle number size distributions over longer periods. Currently, only limited results are available on the degree of the accuracy of portable and compact instruments.

The types of devices to be tested include, among others, the Nanoscan SMPS 3910 and OPS 3330 (TSI Inc.) and the Wide Range Aerosol Spectrometer MiniWRAS 1371 (Grimm Aerosol Technik). Representatives of those manufacturers (Monday to Wednesday, TSI, and Wednesday to Friday, Grimm) will be present during the workshop.

We invite institutions using such kind of instrumentation to participate in the intercomparison workshop. During the workshop, the above mentioned portable instruments will be compared against reference instrumentation (MPSS) of the GAW-WCCAP (World Calibration Centre for Physical Aerosol Properties). The intercomparison is free of charge. The number of instruments, however, is limited.

The goal is to determine the quality of the data provided by this group of instrumentation under the conditions of indoor and outdoor air quality measurements. Ambient aerosol particles will be used during the intercomparison. We would like to publish the results then in an international journal. All participants will be offered a co-authorship.

To register, please contact per Email:

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