Fluorescence microscopic observation: determination of particulate densities

Water-drop freezing assay: estimation of ice-nuclei activities

MiSeq sequencing for 16S rRNA genes: assessment of bacterial compositions

Analyses of lidar data and air mass trajectory

Dating for dust events

Chemical analyses: Evaluation of snow layer condition

Snow samples collected from snow layers

70 samples from each 3 cm layer

21 samples from each 10 cm layer

Discussion for the relationship of dust-associated bacteria to ice-nuclei activities.