

Indonesia

Bukit Koto Tabang

Atmospheric Domain



“With the current measurement programme, Bukit Koto Tabang is one of the best equipped monitoring stations worldwide for climate-relevant atmospheric composition in pristine equatorial environments.”

– Andi Eka Sakya, Director General BMKG



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CATCOS 
Capacity Building and Twinning for Climate Observing Systems

The Bukit Koto Tabang station is located on the island of Sumatra in a remote and elevated area characterized by low human activity. This allows measurements of atmospheric parameters to be representative for a larger region in Southeast Asia. At this location, atmospheric trace gases have been measured since 1996, and greenhouse gases since 2004. The site was acknowledged as a Global Station of the Global Atmosphere Watch network in 1996.



Within the CATCOS Project, aerosol measurements are established at Bukit Koto Tabang in close collaboration between the Indonesian Agency for Meteorology, Climatology and Geophysics (BMKG) and the Paul Scherrer Institute (PSI). Simultaneously to the installation of the measuring equipment, standard procedures for operation and quality control are introduced to ensure the submission of high-quality data to the designated International Data Center for aerosols.

Station Name	Bukit Koto Tabang (BKT)
Coordinates	0.20°S 100.32°E
Elevation	864 m. a. s. l.
Parameter	Aerosols
Monitoring Network	Global Atmosphere Watch (GAW)
International Data Center	World Data Center for Aerosols (WDCA)
Training	On-site support and twinning Working stay in Switzerland

Emphasis is put on capacity development in order to support the sustainable continuation of the observations. In this respect, on-site trainings, remote support and twinning activities enable the continuous exchange of knowledge between the partners to enhance technical and scientific capacities. A working stay by an Indonesian scientist in Switzerland further allows for focused training on data analysis, scientific writing and publication of measured data from the station.



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