



Observation of Lake–Air Interaction and Atmospheric Boundary Layer Process, Remote Sensing Inversion over the Pan-Third Pole

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Message from the Guest Editors

Dear Colleagues,

The Pan-Third Pole is the most densely populated region in the world, and is also strongly affected by climate change. Atmospheric boundary layer physical processes are important ways to unravel the mechanisms of climate change. However, the complex topography and background environment of the Pan-Third Pole make it difficult to study atmospheric boundary layer processes. Data integration methods combining in situ observations and remote sensing inversions provide unique insights into the physical processes related to climate change. The spatial scale shift from in situ sites to larger regions facilitates the interpretation of spatially varying atmospheric boundary layer processes.

The Special Issue is concerned with in situ observations and remote sensing inversion of atmospheric boundary layer physical processes, numerical simulation, machine learning of atmospheric boundary layer physical processes, lake–air interactions and carbon cycles in terrestrial ecosystems in Pan-Third Pole.





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