

Listening to Biodiversity and its Changes – Introduction of Asian Soundscape Monitoring Network

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Loss of biodiversity and associated ecosystem services is one of the major challenges facing humanity. Monitoring biodiversity status and trends across spatial and temporal scales is necessary to mitigate impacts of human-induced environmental changes and secure human well-being. Soundscape, the collection of all sounds emanating from a landscape, reflects the dynamics of biological, environmental and societal systems in a landscape as well as the interactions among them. Investigating the spatiotemporal patterns of soundscape can provide insights into characteristics of those systems and their responses to environmental changes. Soundscape monitoring is thus a useful tool for tracking biodiversity under global changes. Asian Soundscape Monitoring Network was established in 2014 with the aims to understand soundscape patterns, enhance the capacity of soundscape monitoring, open up soundscape data and promote soundscape research in the Asian region. Since then, long-term monitoring sites have been established in Malaysia, Philippines, Taiwan, Thailand and Vietnam to collect data on terrestrial, marine and ultrasonic soundscapes. In this talk, I will introduce this network, show the achievements so far, describe short- and long-term plans, and provide some example applications of soundscape data collected in the network.

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