Long-term Asian monsoon changes through the data rescue activities under the ACRE-Japan

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Past climate data are essential for the climate change research. In monsoon Asian countries, however, huge volumes of data are still stored in only paper format, in particular, prior to the 1960s when most of South and Southeast Asian countries were colonized. We have tried to find such old document data stored in various places over the world, and to digitize them for the usage of the climate change study. Internationally, the ACRE (Atmospheric Circulation Reconstruction over the Earth : http://www.met-acre.org/) was organized in 2007, and various regional efforts have been conducted.

We organized ACRE-Japan activities in 2017 in order to promote data rescue activities and climate change researches using rescued data. Here, we will introduce outline of the recent digitized datasets in Asian monsoon region, some preliminary results, and the remaining issues. The major targeting countries include Bangladesh, China, Myanmar, Philippines, and Vietnam.