



Climate services in South East Asia: new developments in the Southeast Asian Climate Assessment & Dataset

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The SACA&D (Southeast Asian Climate Assessment & Dataset) climate services portal aims to provide access to station data, climate assessments and climate monitoring capabilities for South East Asia. Through regional cooperation between the National Meteorological and Hydrological Services, daily data is brought together in this platform, where a historical perspective is added by combining the collection of modern data with data rescue (DARE) activities.

The historical perspective on climate variability, the monitoring of current climate and assessing climatic changes are integrated in this portal through regular updates of records from weather stations and post-processing of these records to provide information via dedicated climatic indices, often targeted on extreme events. Web users are able to access these climatic indices and quantify trends or deviations from climatology in these indices.

New developments and analyses are presented, like the addition of indices for the onset and retreat of the rainy season and the development of a high-resolution gridded data with data for daily sums of precipitation and daily maximum, minimum and average temperature. A comparison between this gridded dataset and existing products (based on rain gauges or satellites) is presented.