



Remote Sensing in Water Cycle Management

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Message from the Guest Editor

The ever-increasing economic activity combined with the prevalent climatic trends is mounting the pressure on water resources. This places utmost importance on water cycle management, and efficient management of the same requires that one gain comprehensive knowledge of hydrological processes, which is not an easy task. Even for a local project such as the water supply of a town, processes including precipitation, evaporation, surface runoff, infiltration, and so on need to be measured over spatial regions much larger than the area of interest over considerably long temporal periods. For instance, precipitation requires a carefully designed network of rain gauges in order to obtain a reliable estimation of the precipitation over the area of interest. Likewise, doing so is necessary for the estimation of evapotranspiration. On the other hand, surface runoff does not require an extensive network since measurements obtained using a stream gauge include the information regarding runoff from upstream areas. However, [...]

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Message from the Editor-in-Chief

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