



Remote Sensing for Distributed Hydrologic Models: New Satellite Data, Model Parametrization and Spatial Metrics to Calibrate and Evaluate Models

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Message from the Guest Editors

Dear Colleagues,

In this special issue of *Remote Sensing* we aim to collect contributions integrating satellite based remote sensing data into distributed hydrologic models using suitable or new spatial performance metrics (such as SSIM and SPAEF etc.) to evaluate spatial pattern agreement of satellite based estimations and hydrological predictions. Reviews and case studies reporting recent advancements in spatial metrics and remote sensing for precipitation, land surface temperature, actual evapotranspiration estimation, soil moisture, snow coverage, terrestrial water storage (MODIS, AMSR-E, Sentinel, SMOS, SMAP, GRACE etc.) are welcome. We are particularly interested in how satellite based data can improve spatial-temporal behavior of distributed hydrologic models and how they can be used in calibration and validation of hydrologic models. Also we aim to attract novel approaches for parameter regionalization and model parametrizations adding flexibility to the model structures to fit their outputs to the remote sensing data.

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Message from the Editor-in-Chief

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