Special Issue

Advances in Scaling and Modelling of Essential Variables for Environmental Monitoring with Multiscale Earth Observations

Message from the Guest Editors

Many water–energy–vegetation satellite products are currently available as down streaming services. However, these are at coarse resolutions and not suitable to characterize the environment at field or finer scale. On the other hand, although proximity sensing can provide very high resolution products, they require considerable efforts for cal/val procedures (e.g., geometric and radiometric calibrations in both labs and fields). Furthermore, the intercomparison between high resolution and coarser resolution products require either downscaling or upscaling methodologies. Key questions are “How are these downscaling/upscaling approaches are carried out currently and what are their accuracy and uncertainty? And How these quality assurance information can be traced back to geometric and radiometric calibrations?” This issue is dedicated to collect the output of recent advances in the scaling and modelling of essential variables for environmental monitoring with multiscale Earth Observations, which include satellite products, in-situ measurements, (process-based) environmental modelling, and proximity sensing imagery (UAS).

Guest Editors

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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