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Remote Sensing of Essential Climate Variables and Their Applications

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Deadline for manuscript submissions:
closed (30 June 2018)

Message from the Guest Editors

Essential Climate Variables (ECVs) and Climate Data Records (CDRs) have become increasingly common, accurate and useful in a wide range of applications. In this Special Issue of Remote Sensing, we call for papers describing all aspects of CDR development, generation, validation, application and resulting societal benefits. We also seek papers on broader CDR and ECV guidelines, standards and frameworks such as requirements development, metadata, application of metrological standards, documentation and production practices, assessment tools and inventories. Our goal is to provide the most comprehensive compendium of CDR-related articles yet compiled. Although we recognize the societal value of all satellite records, we request that contributors adhere to the NRC working definition of a CDR, i.e., a time series of measurements of sufficient length, consistency, and continuity to determine climate variability and change. This mostly requires compilations stemming from multiple satellites, however in special cases where a reprocessed record from a single mission meets that definition, associated papers are welcomed.

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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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