



Monitoring of Forest Degradation-Recovery Based on Optical Sensors

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Message from the Guest Editor

Dear Colleagues,

Identification, quantification, and monitoring of vegetation undergoing degradation and recovery is one of the research priorities for ecosystem management. Vegetation degradation and its recovery processes vary as functions of disturbance type (e.g., clearing, logging and fire), time since the last disturbance and the number of disturbances over the course of time.

This special issue will focus on the spatial and temporal characterization of vegetation degradation associated with disturbance-recovery history based upon the time series of wall-to-wall vegetation structure maps through the synergy between lidar and optical sensors. Lidar data can include both airborne and spaceborne (ie., GEDI and ICESat-2) whereas a wide variety of satellite optical sensors can be used in the analyses. The authors can address any type of vegetation disturbance and model any vegetation structural attributes (e.g, canopy height, basal area, biomass, LAI etc), however post-disturbance change, ie, recovery, must be included in the research. Spatial and temporal dimension can be determined according to data type and availability.





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