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Mapping Forest Extent and Disturbances with Dense SAR Time Series Data

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Deadline for manuscript submissions:
closed (20 May 2023)

Message from the Guest Editors

Dear Colleagues,

Forest areas have been lost globally at an alarming rate through the last few decades, predominantly because of anthropogenic factors. Remote sensing constitutes a unique tool to monitor the extent and intensity of forest losses.

This issue aims to investigate the state of the art on SAR time-series analysis over forests. Forest loss detection is the main objective, but most forest loss detection methods rely on a forest map to mask out non-forest areas, and therefore, methods that allow an accurate mapping of forest extent using time series analysis will be considered of interest as well.

This issue will welcome papers dealing with SAR time-series data processing, classification, and interpretation over tropical, temperate, or boreal forested landscapes. A broad range of subtopics may be considered, such as operational approaches to near-real time forest disturbance monitoring, experimental deep learning methods to analyze time series, or PolInSAR change detection.

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Message from the Editor-in-Chief

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