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# Root Dynamics Tracking Using Remote Sensing

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Deadline for manuscript submissions:
**closed (31 December 2021)**

## Message from the Guest Editor

Dear Colleagues,

The provision of spatial data sets of the biosphere is crucial for biogeochemical model development, understanding the effects of disturbance, and factor prominently in the development of climate change mitigation strategies. While the utility of remote sensing as an aboveground biomass monitoring tool at plot to global scales has expanded tremendously in recent years, the science of belowground biomass monitoring lags. Further work is needed to go beyond species-, region-, and/or climate-specific "root-to-shoot" ratios, and to develop a remote sensing framework that exploits all available information on aboveground vegetation traits and environmental drivers to predict the root system physical structure, defined by the quantity, morphology, and spatial distribution of biomass.

The aim of this Special Issue is to present state-of-the-art research about technological and methodological developments on belowground biomass monitoring.

Dr. Cameron Proctor
*Guest Editor*

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