

Special Issue

Applying Remote Sensing for Sustainable Land Use Changes

Message from the Guest Editor

Landscape change can be natural and can be relevant, even drastic (due to wildfires, volcano eruptions, etc.), but usually, changes have anthropogenic driving forces. Land-use change is one of the most crucial points in human-induced detrimental processes. Large natural or semi-natural areas had been transformed into urban areas and ploughlands, decreasing the biodiversity and conditions of runoff, erosion, etc. Remote sensing is an efficient method in monitoring fast with a favorable cost-benefit ratio. Satellites and aerial surveys including aircraft and unmanned aerial systems (UASs) provide a diverse source of remotely sensed data for evaluation. The processing environment is also an important part of the evaluation, and new algorithms, higher calculation capacity, and shorter processing time ensure new possibilities in scientific research, too. Both cases can result in an unfavored state, which should be identified and managed. This Special Issue aims to help decision-makers with relevant topics on each level (local, regional and global), which point to slower or faster, smaller or larger land-use changes, meaning the risk for sustainability in the short or long run.

Guest Editor

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