



## Irrigation Mapping Using Satellite Remote Sensing

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### Message from the Guest Editors

Dear Colleagues,

In a context of scarcity of water resources and high consumption of resources by agriculture, irrigation becomes a major scientific and societal challenge. The scientific community has so far mainly used optical remote sensing for monitoring irrigation. The arrival of new free and open access optical and radar sensors (such as Copernicus Sentinel missions) with very good spatial and temporal resolutions has made it possible to intensify the work of mapping irrigation and water management with remote sensing data. In this issue, the main objective is to highlight the scientific works related to irrigation:

- Mapping of irrigated areas using optical and radar remote sensing
- Assimilation of satellite data in irrigation models for monitoring water consumption
- Estimation of land surface flows for better irrigation management

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