



Brett Parker

BSc in Environmental Science (Honours)

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Summary

My Phd topic focuses on using biomass estimates derived from satellite remote sensing technologies to identify the locations and assess the health of groundwater dependent vegetation across large and diverse landscapes. This is of interest as many areas on a global scale continue to increase pressure on such ecosystems via over extraction of groundwater. With the advent of cloud computing platforms (i.e. Google Earth Engine and Geoscience's Data Cube) that support gigantic amounts of remote sensing data for all corners of the Earth, my research has potential to make significant impacts in vegetation management.

Research Expertise

- Spatial analysis
- Ecological appropriateness of fire and groundwater regimes for vegetation management
- Coding for large data management, spatial and statistical analysis
- Vegetation condition assessment