



Postdoctoral Opportunity: Quantifying structure of Afrotemperate forests using remote sensing

Applications are invited for a Post-doctoral researcher to undertake research on Afrotemperate forest structural dynamics in aboveground carbon (AGC) sequestration in South Africa using remotely sensed data. The key elements of the project include identifying key forest structural metrics derived from LiDAR to quantify carbon; and then exploring freely available multispectral and radar data to create an operational AGC monitoring tool for Afrotemperate forests. The successful applicant will be registered at the University of the Witwatersrand and assume research within the School of Animal, Plant and Environmental Science (APES) working with Dr Jolene Fisher.

Key Competencies:

Applicants must have a PhD in a relevant subject (Environmental Sciences, Remote Sensing, Geoinformatics). Applicants must have a strong knowledge in remote sensing and be comfortable using open-source products including R and Google Earth Engine. Finally, a strong work ethic, ability to be self-motivated and an enthusiasm for working in a collaborative team are ideal qualities in our preferred candidate.

Terms of employment:

The position will be full time for 2 years. The proposed starting date is as soon as possible but not later than 30 April 2023. The Post-doc salary is R275 000 per annum (non-taxable) and includes a good quality medical aid and the applicant is not limited in the application of additional funding.

Applications:

Applications must include a motivating letter detailing why you are interested in the project and why you see yourself as a good fit, a C.V., contact details of two academic referees, and a copy of academic transcripts. Please apply to Dr Jolene Fisher at Jolene.Fisher@wits.ac.za no later than 20th March 2023.

*The position is open to anyone with the relevant skills including international applicants, providing they have the necessary work/study permit.