

JUNIOR RESEARCH FELLOW

Carbon Landscapes

(Fixed-term, part-time)

School of Science and Technology

POSITION OBJECTIVES

The Precision Agriculture Research Group and the Cooperative Research Centre for Spatial Information are leaders in research in spatial agricultural science. This group is seeking to appoint a Junior Research Fellow to investigate carbon in agricultural landscapes.

DUTIES

1. Undertake a review of literature and existing research projects to prepare a report on the current state of carbon quantification in agricultural landscapes.
2. Development of methodology using remote sensing technologies for quantification of carbon on one demonstration property.
3. Preparation of findings for submission to refereed scientific journals.
4. Reporting of findings to CRCSI industry partners at workshops and field days.

SELECTION CRITERIA

Essential

1. The person must be appropriately qualified (preferably with honours) in relevant tertiary qualifications in agricultural or environmental science along with several years experience in these disciplines.
2. Applicants must demonstrate excellent written and oral communication skills; the ability to work independently and as part of a team and proven high level administrative and organisational skills.
3. Applicants must demonstrate excellent computer skills and be proficient in the use of Microsoft Word, Excel and PowerPoint. Experience with GIS software is desirable.
4. Applicants must possess a sound understanding of natural and rural ecosystems and should have several years experience in environmental assessment, preferably with a focus on vegetation, soil and geological evaluation.
5. Applicants must demonstrate high level analytical and problem solving skills.
6. The applicant should demonstrate some research experience which may be evidenced by contribution to publications, conference papers, reports or professional or technical contributions.
7. This position is partly office based and partly field based and applicants are expected to demonstrate a sound understanding of occupational health and safety issues relating to field work in remote environments. Applicants have experience in working in the field under varying environmental conditions.
8. Current driver license for motor vehicle (NSW Class C).

Desirable

1. A basic understanding of remote sensing technologies, particularly GPS systems is also desirable.
2. Applicants will be required to communicate the outcomes of the research to producer partners of the CRC for Spatial Information and some formal training in science communication is desirable.