Scholarship Description.
An exciting opportunity exists for a PhD student interested in modelling flooding dynamics as a function of spatially explicit time series data on climate, evapotranspiration, soil moisture and river flow in the Murray-Darling Basin.

We are seeking a highly motivated and high calibre PhD student for a period of three years (with a possible extension of 6 months). Candidates are expected to apply for a PhD scholarship (deadlines of 28th of February 2014 for international students and 23 of May 2014 for domestic students). Candidates holding their own scholarship are also encouraged to apply. A top-up scholarship of up to $8,000 per annum will be provided as well as opportunities to present research findings at local and international conferences. Opportunities exist for students to undertake undergraduate tutoring responsibilities.

The Project.
The top-up scholarship is funded through an Australian Research Council Linkage grant that brings together a multidisciplinary team from UNSW (Dr Mirela Tulbure, Prof Richard Kingsford, Prof Richard Lucas and Prof David Keith) and the Murray-Darling Basin Authority to develop an innovative approach for assessing environmental flows using satellite data and other space-time datasets. The resulting PhD will position you for a career in water and quantitative ecology at the landscape scale, falling in line with key national research priorities in Australia. A background in working with large, spatially explicit data sets is required. The position would suit a recent graduate in ecology with well-developed skills in quantitative space-time analysis. Experience with image processing, scripting or programming and willingness to improve these skills is required. Good presentation and writing skills would be beneficial. A demonstrated enthusiasm for research is paramount.

The Research Group.
The student will be part of a strong research team based at the Centre for Ecosystem Science (http://www.wetrivers.unsw.edu.au) and part of the School of Biological, Earth and Environmental Sciences (http://www.bees.unsw.edu.au/) at the University of New South Wales in Sydney, with strong support from the industry partner investigators at the Murray-Darling Basin Authority.

APPLICATION PROCESS AND DEADLINES:
For further information, please contact Dr Mirela Tulbure mirela.tulbure@unsw.edu.au. Interested candidates should send a CV, undergraduate transcripts and contact details for two referees to Dr Mirela Tulbure. Applications will be accepted until a suitable candidate is found with a preferred start date as soon as possible, July/Aug 2014 the latest. More information on scholarships can be found here https://research.unsw.edu.au/postgraduate-research-scholarships