Two research assistant positions in the EarthByte Group
School of Geosciences

Two casual positions have become available for students interested in the development, engineering and maintenance of open-source, surface processes and geodynamics modelling software for the ARC Basin Genesis Hub (http://www.earthbyte.org/the-basin-genesis-hub). In particular, the two software relevant in this context are:

- Badlands (https://github.com/badlands-model)

The successful candidates will use their knowledge in python, high performance computing and computational algorithms to further develop the hub’s software resources. They will help to identify and implement techniques to improve existing codes, their python interfaces and associated workflows. It is expected that the research assistants will participate in writing documentation for software manuals and training activities such as tutorials and use cases.

They will be trained and supervised initially with the expectation that they will move towards working more independently over the course of the project. Starting pay rate will be at HEO 3 Step 1, the number of hours per week is negotiable, and working hours are flexible.

Please include a short cover letter and your CV (including a copy of your Academic Transcript). All applications must be e-mailed to tristan.salles@sydney.edu.au as a PDF document by 5pm on 7 April 2017. Short-listed applicants will be invited to an informal interview.

Essential

- Strong knowledge in HPC
- High degree of computer literacy
- Strong knowledge of Python (Numpy/Scipy)
- Background in Math/Physics and/or Numerical Algorithms