Project 2 - Investigating human waste transport in a coastal island setting: Kiribati

**Location:** The project will be based at Flinders University, Adelaide, SA

**Required area of expertise/background:** Hydrogeology, some knowledge of groundwater modelling, some familiarity with geophysical data, micro, mathematics, and/or hydrochemistry and/or environmental health/microbiology would be advantageous.

**Project:** The water resources of the Pacific Island nation of Kiribati is subjected to considerable threats including sea level rise, and human waste loadings due to high population pressures and underdeveloped urban infrastructure. Through collaboration with the Secretariat of the Pacific Community (Fiji), who will assist with field work and to guide the research, this collaborative project will assist the improvement of water quality of developing island nation of Kiribati. Project work could contain, but is not limited to; field work, including water sampling, geophysical investigations as well as numerical modelling experiments.

**2019 RTP full time RTP Stipend Rates* ($27,596). Approximate annual top-up amount:** $4,000

**Principal Supervisor:**

*Prof Adrian Werner* - Flinders University

**Co Supervisors:**

*Dr Dylan Irvine* & *Dr Kirstin Ross* – Flinders University