Late Pleistocene and Holocene evolution of the K’gari dune field, Queensland

K’gari is the world’s largest sand island and a world heritage area. Surprisingly, though the World Heritage listing is closely related to the dune fields, they are relatively poorly studied. In this talk I will summarise the findings of an ARC Discovery project on the history and timing of dune advances on K’gari. The work highlights the relationship between high and intermediate sea-stands and dune activity on K’gari. A model for the emplacement of the dune field will be presented. The distribution of the dune types in the dune field will be considered and related to the pre-Holocene topography. This work is a summary of findings from an ARC Discovery project and is the cumulative work of the entire project team.