

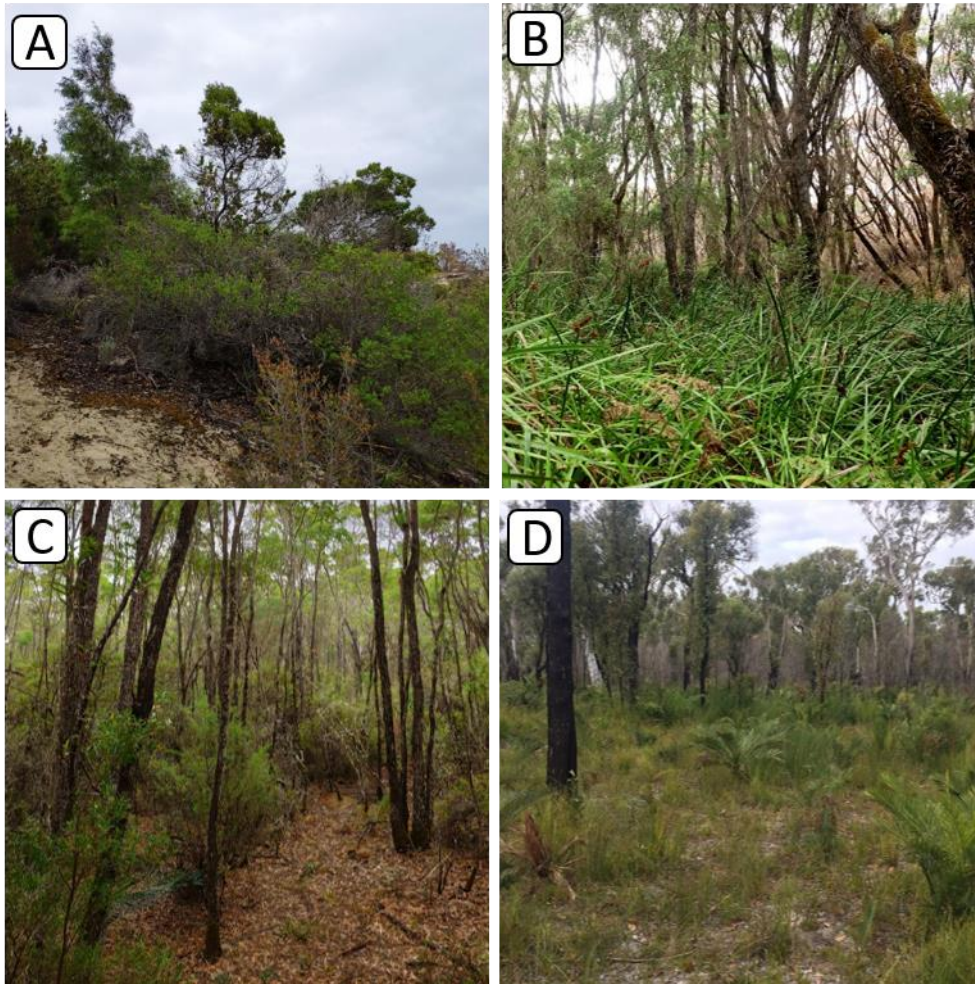


Figure S1. Four stages, in ascending chronosequence stage, of the Warren soil chronosequence in south-west Western Australia. This soil chronosequence is a sequence of dunes generated over 2-million years. Stage 1 (A) Meerup Leached over Calcerous Sands <6.5 ka. Stage 2 (B) Meerup Podzols over Calcerous Sands ~6.5 ka. Stage 3 (C) Meerup Podzols in Siliceous Sands 120-500 ka. Stage 4 (D) Cleave >2,000 ka. Dune classification follows Turner et al. (2018). These sites all follow the Warren Beach Road, south of the Warren River. Images: Ruipeng Yu.