

Large-scale model

Research Institute for the Environment, Physical Sciences & Applied Mathematics



Oliver Wakefield<sup>1</sup> & Nigel Mountney<sup>2</sup>

<sup>1</sup> Earth Sciences and Geography, Keele University, Keele, Staffordshire ST5 5BG, UK  
<sup>2</sup> Natural Sciences Group, School of Earth and Environment, Earth Sciences Building, The University of Leeds, Leeds, LS2 9JT, UK

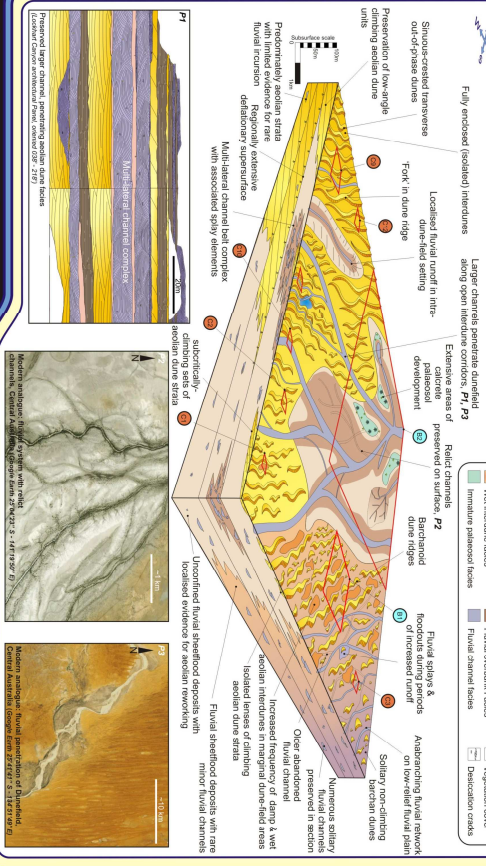
Full-time graduate research fellow  
 BRSG  
 Leeds Sedimentology Research Group



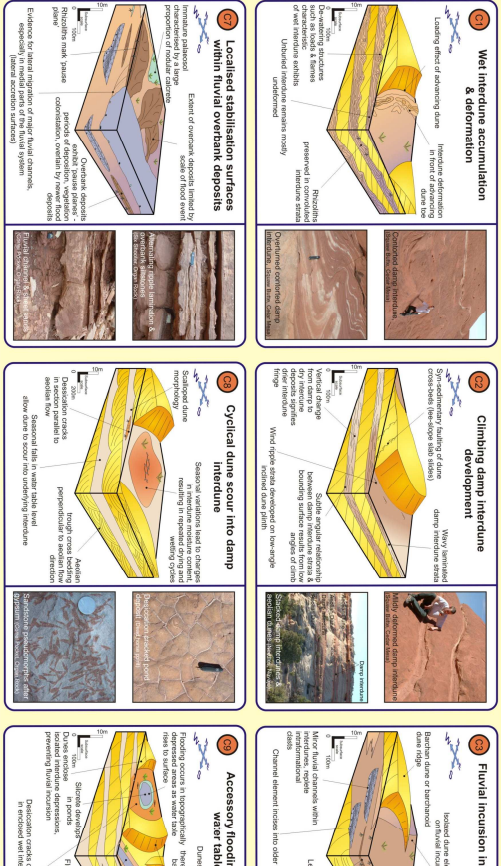
Oliver Wakefield@leeds.ac.uk  
 http://www.keele.ac.uk  
 +44 (0) 1752 556320

Intermediate-scale models

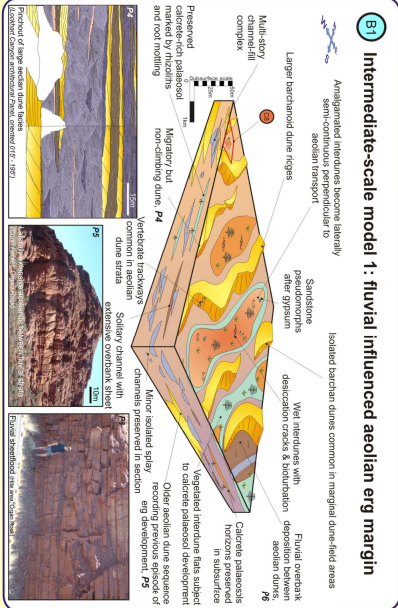
A1 Regional scale Model: Aeolian-fluvial Interactions



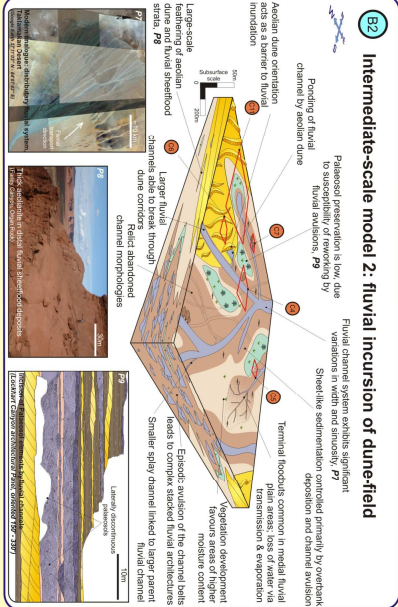
Local-scale Models



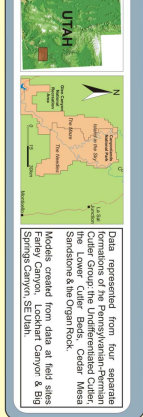
B1 Intermediate-scale model 1: fluvial influenced aeolian erg margin



B2 Intermediate-scale model 2: fluvial incursion of dune-field



Study Location



Each represented from four sequential formations of the Pennsylvanian-Permian Culer Group: the Uncliffed-Culer, Culer Mesa, Sandstone, and the Organ Rock. Middle ground from data at Hill Sites, Frying Canyon, Lockhart Canyon & Big Springs Canyon, SE Utah.