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"Simulating Global and Local Land Surface Processes with JULES on the CEDA JASMIN Super-data-cluster"

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We have ported several JULES case examples of land-surface models to Rose/cylc suites on the CEDA JASMIN super-data-cluster, for centralisation purposes. The first case is a FLUXNET suite to model the fluxes at the Italian Renon site, from the MONSooN supercomputer. The second case is a suite to model maize evapotranspiration, also from MONSooN. The third case is a suite to model land-surface processes globally, from the University of Reading's JASMIN cluster, wherein we 'robustified' another global JULES model already on CEDA JASMIN. Animations and time-series of such prognostic variables as soil moisture, NPP, and a 'hydrological drought index' will be displayed and discussed.