r.sim.terrain Input data Determine steady-state or unsteady flow regime Determine model RUSI E3D SIMWE USPED Variable erosion-Detachment-limited regime Transport-limited regime deposition regime Event-based Event-based erosivity factor erosivity factor Flow accumulation Water flow Flow accumulation Topographic sedi-3-D topographic factor ment transport factor Sediment flow at Sediment flow transport capacity Erosion-deposition Erosion-deposition Detachment rate Change in elevation Change in elevation Change in elevation Gravitional diffusion Gravitional diffusion Gravitional diffusion Change in elevation Change in elevation Change in elevation Iterate * - - - - - -Iterate * - - - -Output data