(A) Extinction Scenario **(B)** Speciation Scenario **GEOGRAPHIC SPACE ENVIRONMENTAL SPACE GEOGRAPHIC SPACE ENVIRONMENTAL SPACE** Step 1: Step 1: **Initial partial overlap Initial partial overlap** Step 2: Step 2: **Pattern convergence Pattern convergence** Step 3: Step 3: Niche expansion Niche expansion Step 4a: Step 4b: Niche thinning Niche partitioning Step 5b: Step 5a: **Speciation Final overlap Final overlap**