Residence time: **Recovery time:** how long a biome how long it takes for a biome to rebound persists Landscape resilience is assessed using Plant taxon 2 the residence and Plant taxon grassland<sup>1</sup> forest recovery times of biome biome plant biomes over forest biome the past 20,000 years Plant taxon 1 Plant taxon 1 **Human Population** Megafauna **Deglaciation Extinction Increase** Recovery Time (yrs) Residence Time (yrs) resilien long non-resilient short long resilient short 15000 10000 5000 20000 0 Age (cal BP)