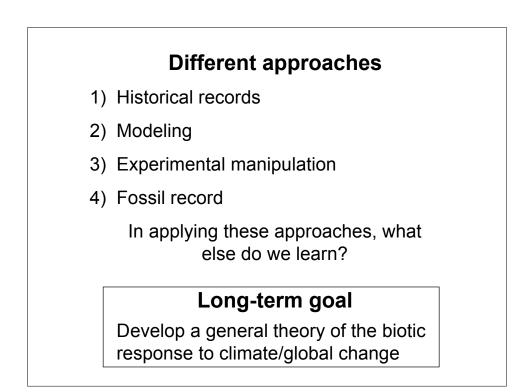
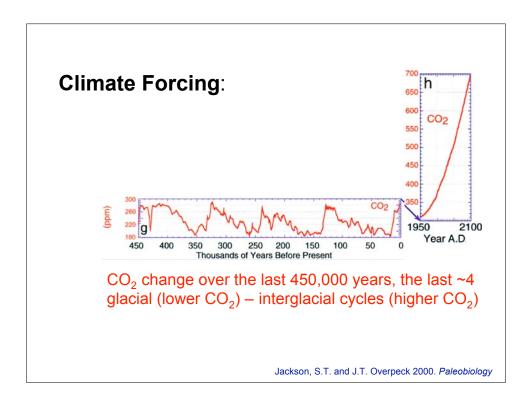
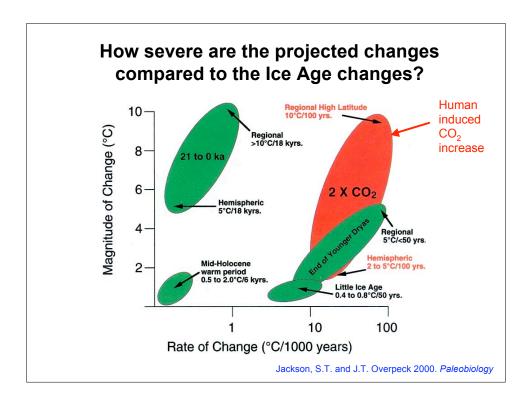


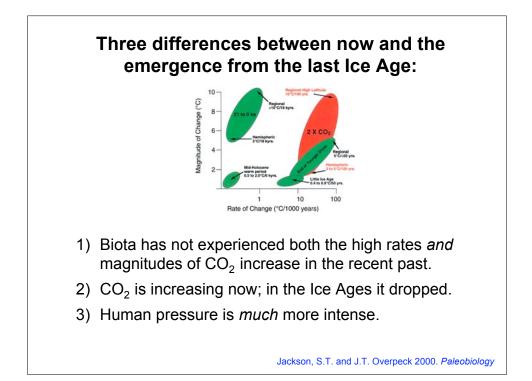
How are species going to respond to climate forcing?

| • Die | how severe is current crisis? what controls extinction probability? |
|-------------------|--|
| • A dapt | how fast? how easily: what is genetic potential for change? |
| • M igrate | if so, where to and why?(how design nature reserves?) |
| • Nada | the ability to weather the change |
| | |

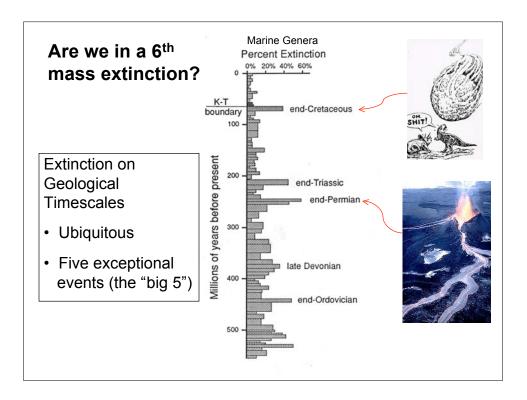


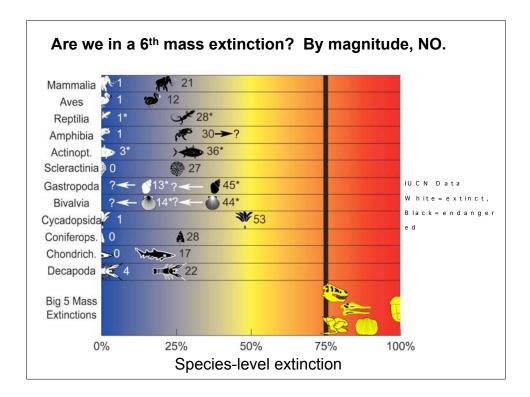


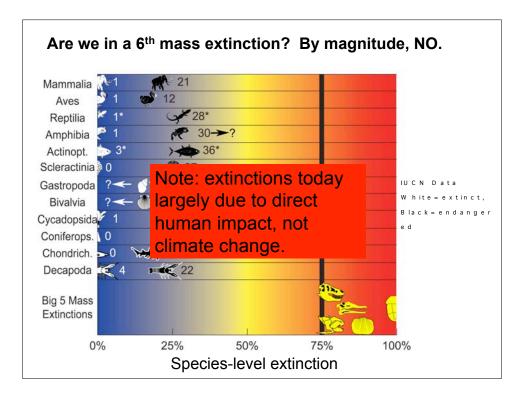


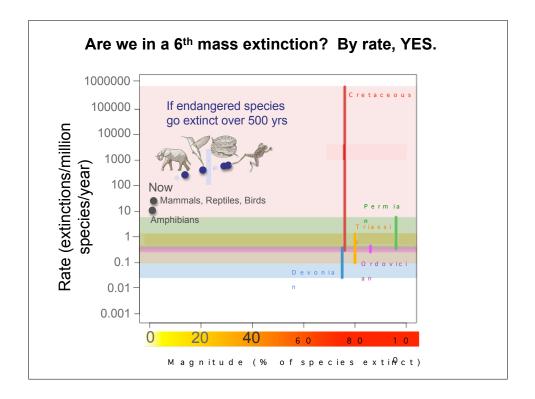


How are species going to respond to climate forcing? Die - how severe is current crisis? - what controls extinction probability? Adapt - how fast? - how easily: what is genetic potential for change? Migrate - if so, where to and why? - (how design nature reserves?) Nada - the ability to weather the change



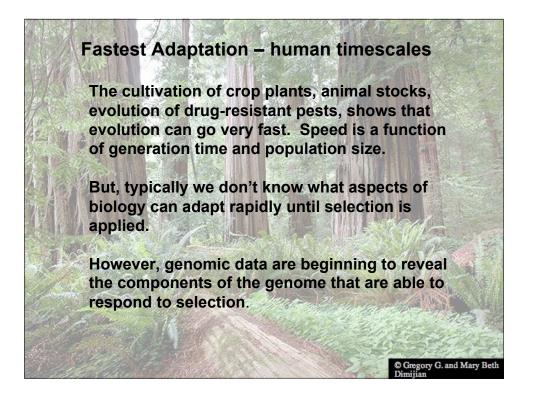


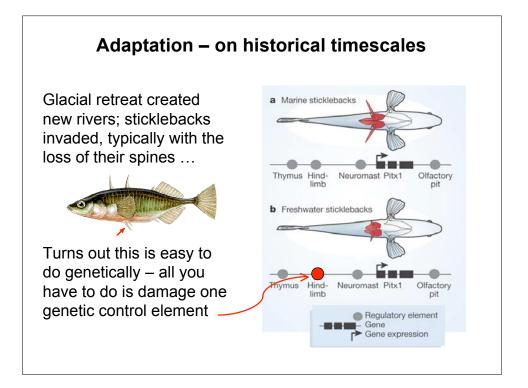


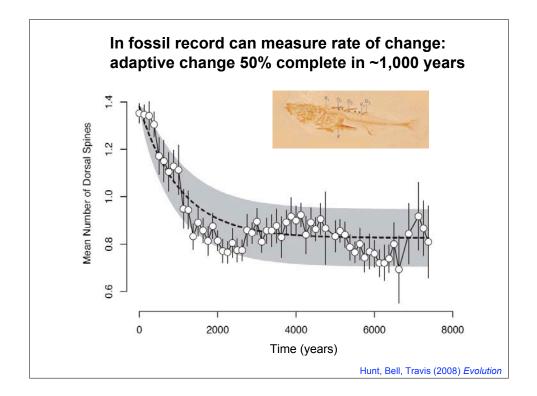


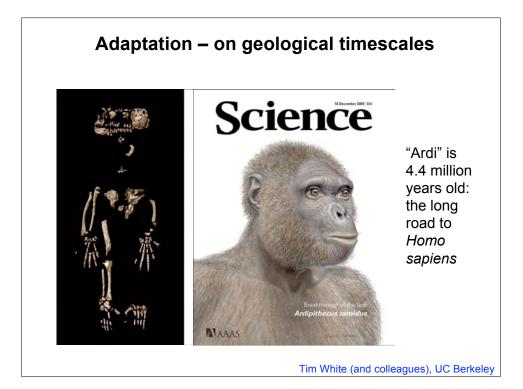
How are species going to respond to climate forcing?

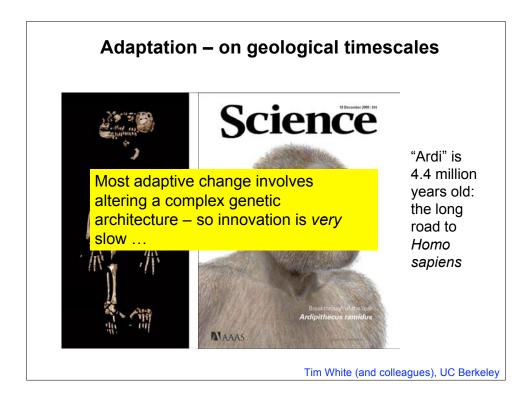
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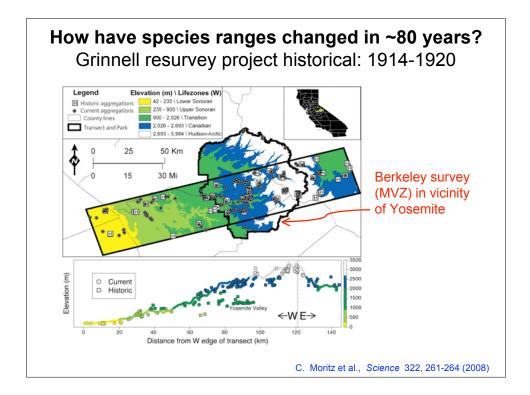


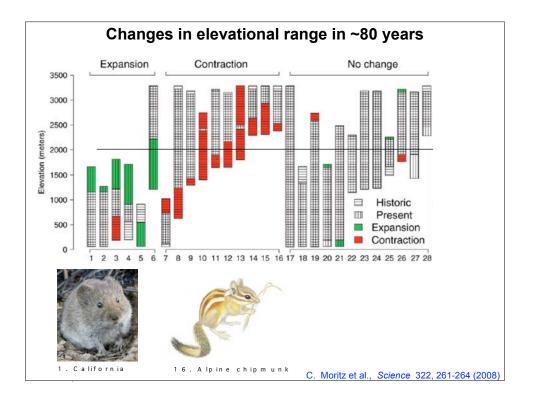


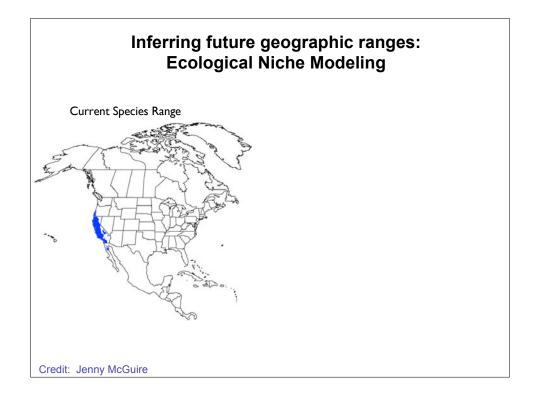


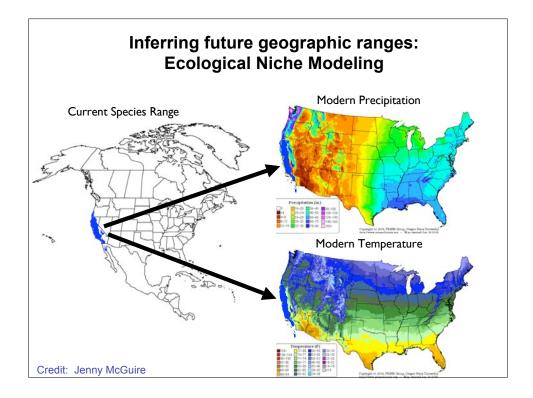
How are species going to respond to climate forcing?

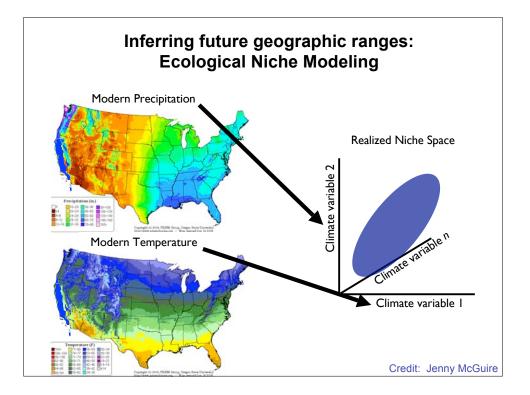
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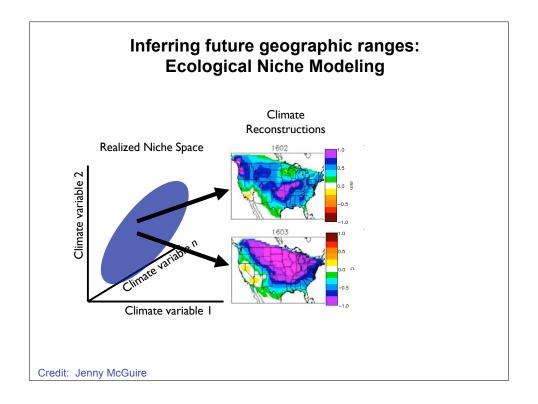


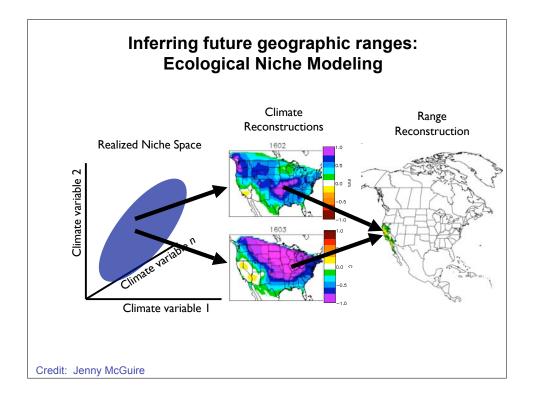


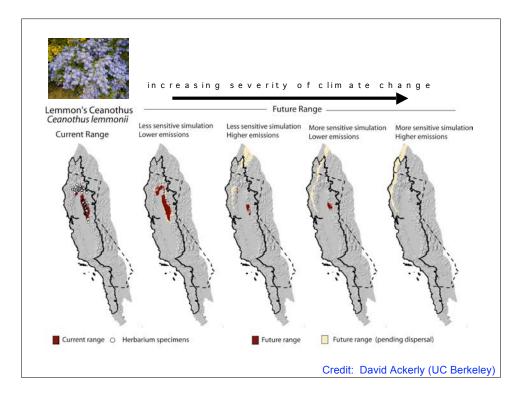


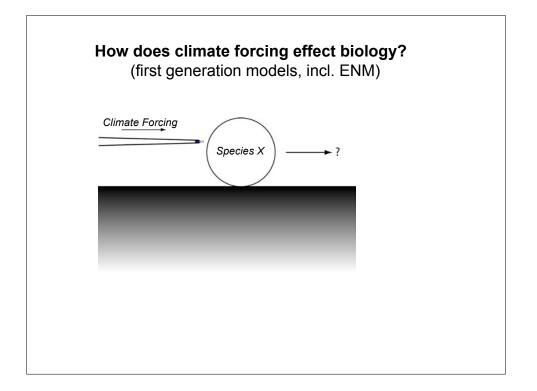


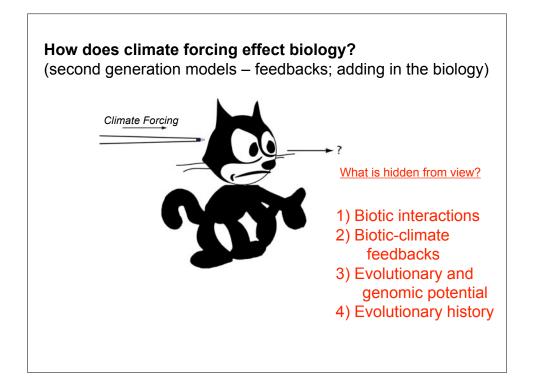


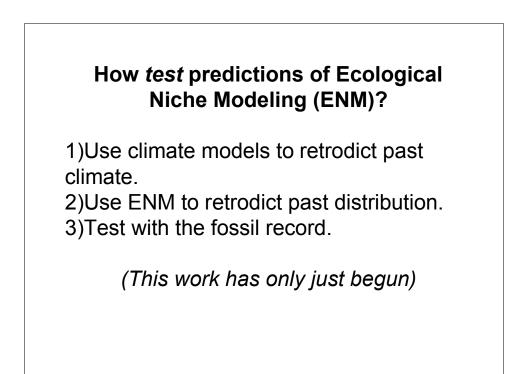


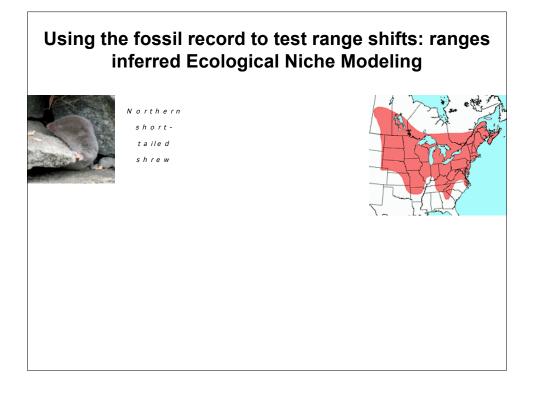


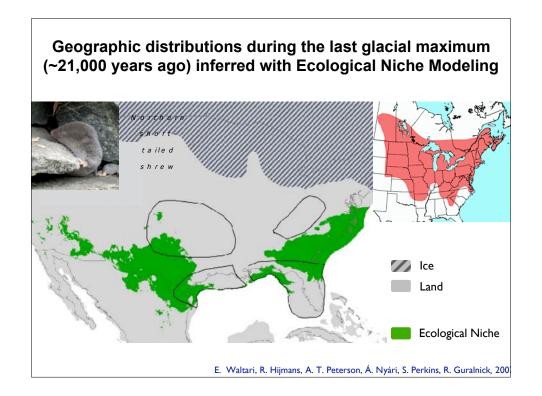


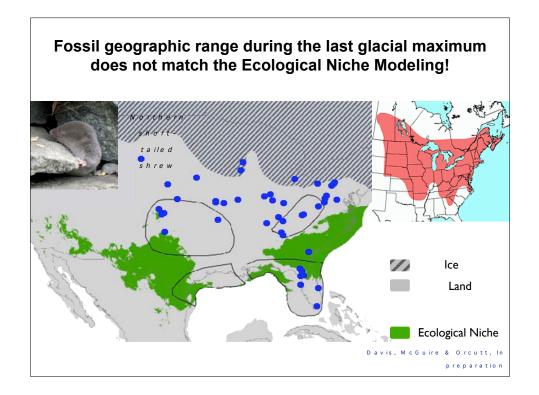


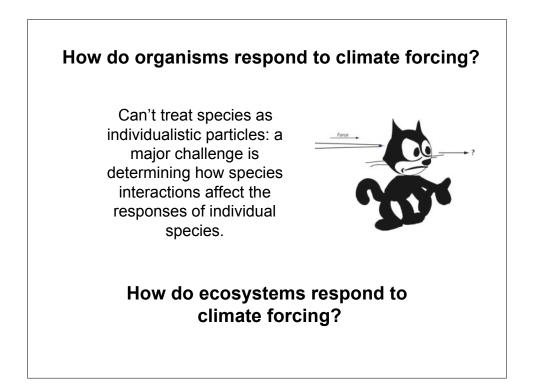


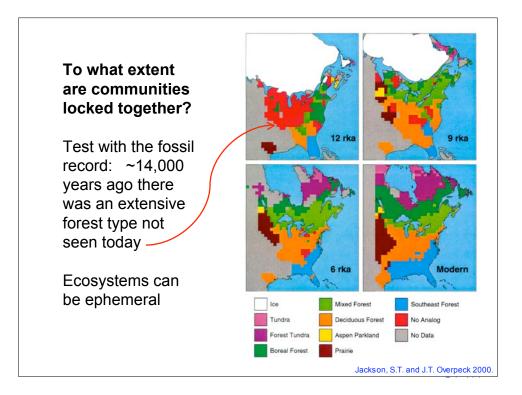


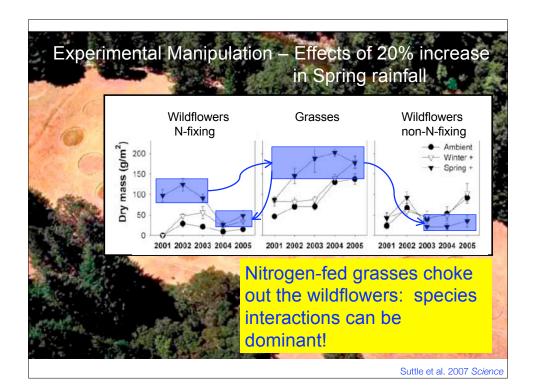


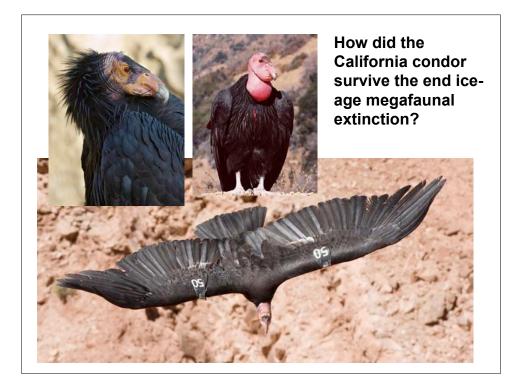


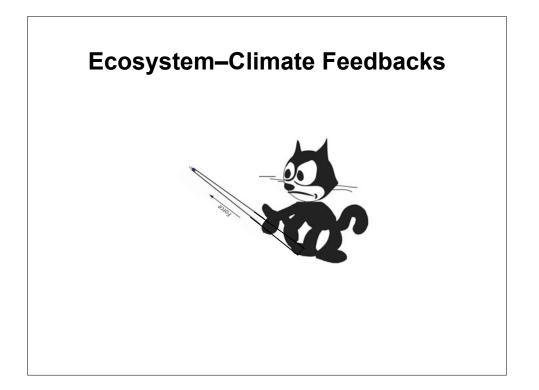


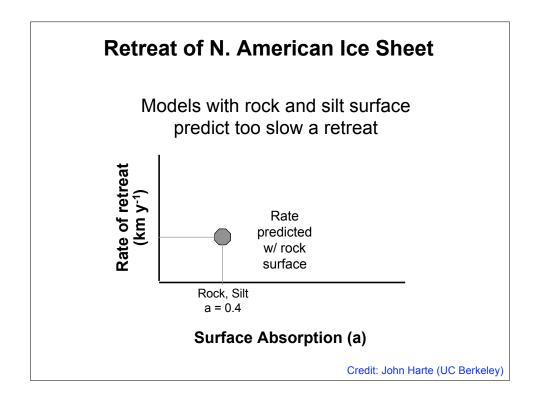


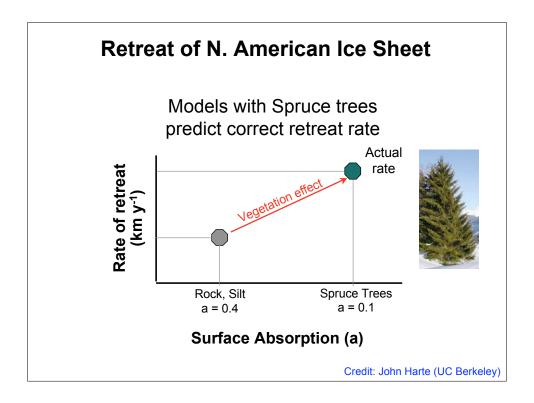


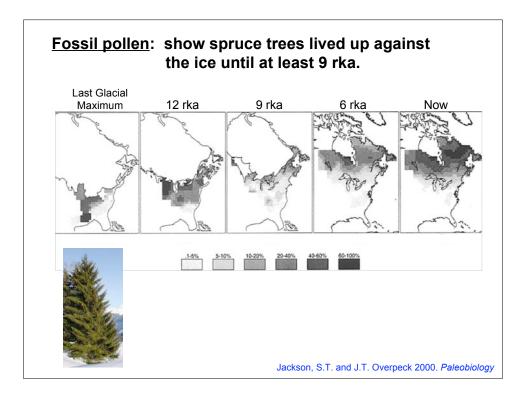


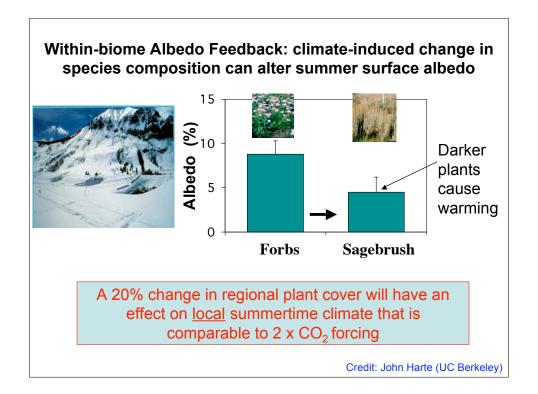












Take Home Messages

- We are in the discovery phase of determining the factors and feedbacks that will determine the fate of species and ecosystems due to climate forcing.
- Feedbacks operate over many temporal scales and between the phenotype, the genotype, evolutionary history, geography, and the climate itself.



