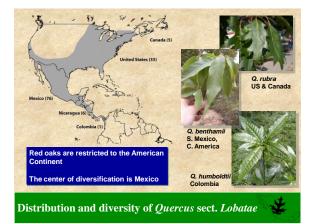


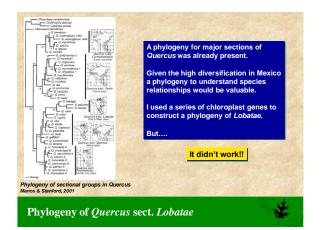




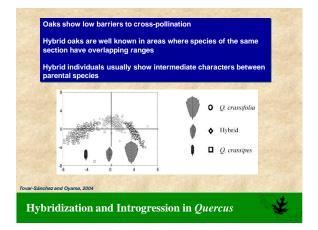


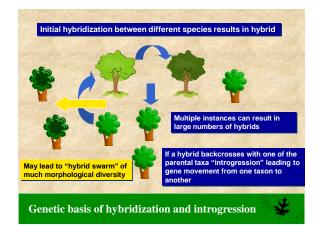
Section *Lobatae* vs. section *Quercus*

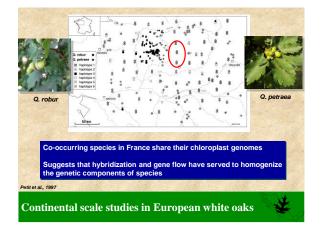


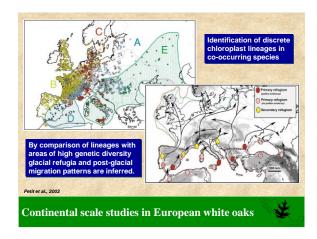


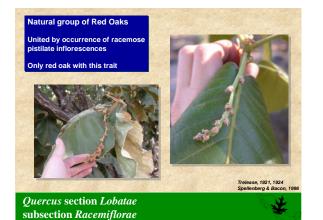




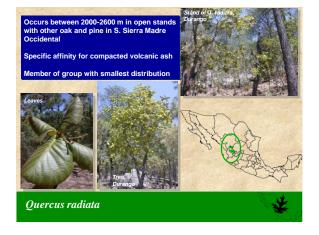




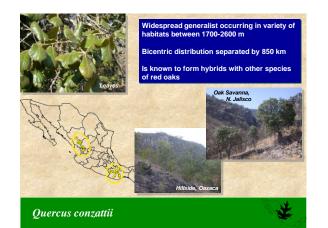


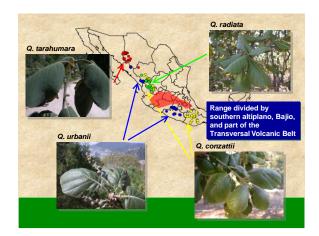












Specific Research Questions



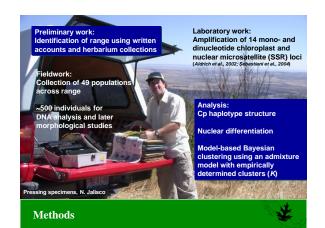
•Does hybridization occur in a predictable pattern in the group – or is there evidence for past hybridization events?

•Do species and/or populations occurring in close proximity (sympatry) exhibit a different genetic pattern to widely separated (allopatric) species and/or populations?

•Does genetic relatedness follow species membership?

•Do nuclear and plastid (chloroplast) genomes exhibit equal or different patterns?

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4181481 \mathcal{W} SSR - Simple Sequence Repeat 181818 10 repetitions of bases (TG) Develop "primer" in flanking region for specific PCR in non-coding region of genome amplification of the microsatellite The number of repetitions can vary region among populations or individuals

Molecular basis of microsatellite (SSR) variation

