

Ecosystem services

** Global influence

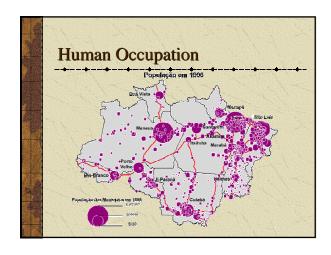
• Biogeochemistry cycles (Carbon; nutrient cycling)

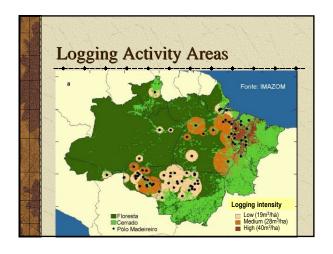
• Water & climate regulation

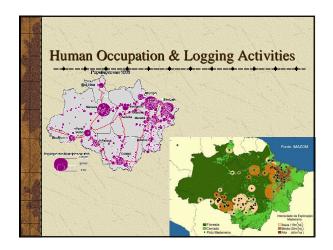
** Genetic resources

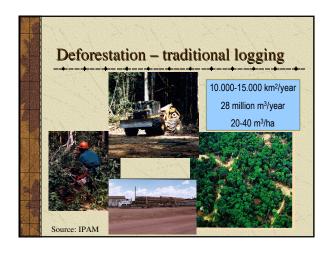
• Biodiversity

Main causes of habitat loss in the Amazon region

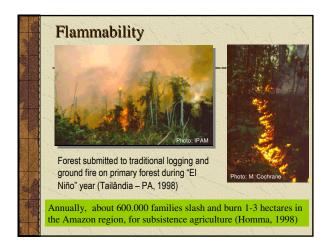


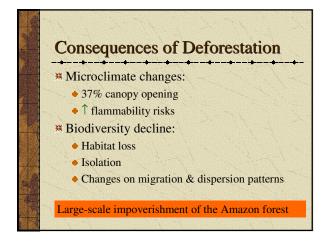


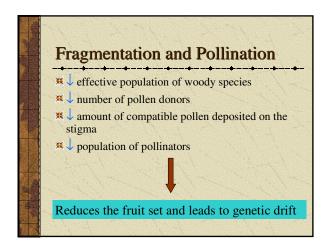




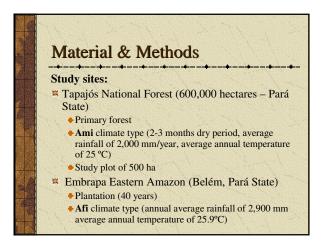


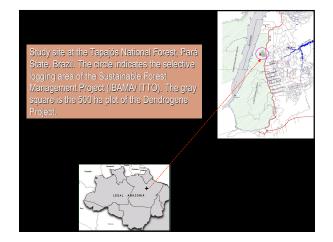




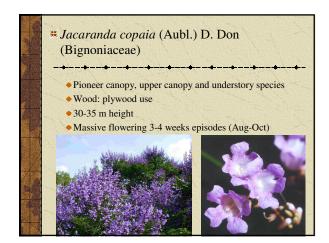


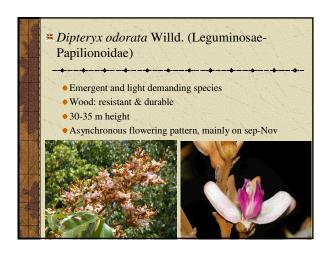
Wildentification of the pollination agents of two important Amazonian timber species: Jacaranda copaia (Bignoniaceae) Dipteryx odorata (Leg-Papilionoidae) Link the pollination agents with potential disruption of the reproductive process on fragmented forest due to logging activities

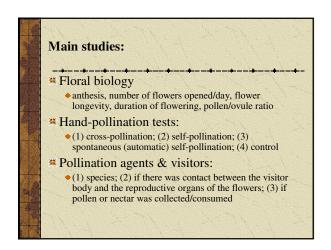




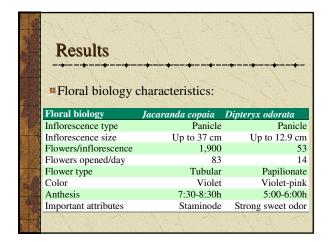


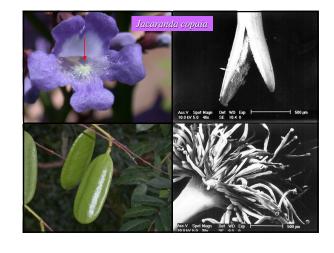




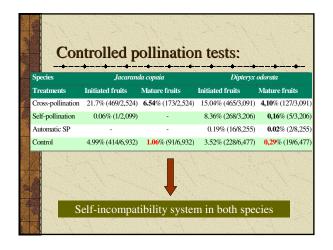


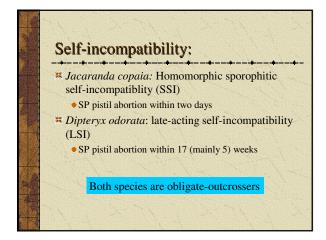


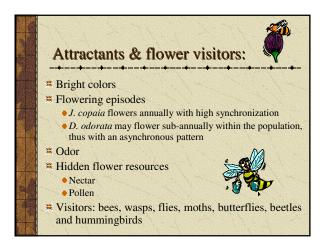


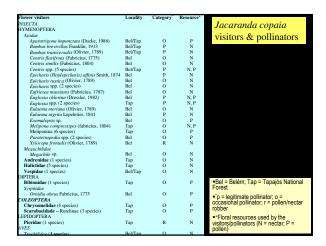




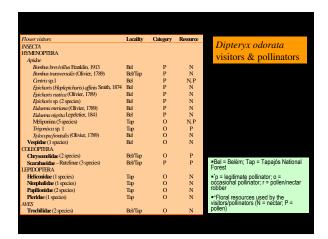






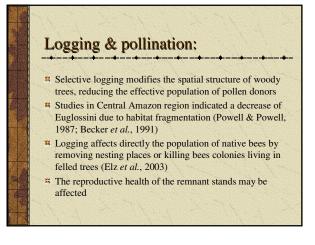




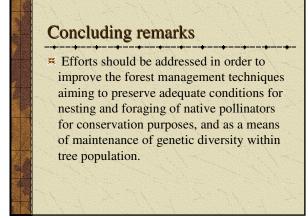




Pollination system: Solution: Both species are bee-pollinated J. copaia is mainly pollinated by small-bodied Euglossa and Centris species D. odorata is mainly pollinated by medium-bodied Bombus, Centris, Eulaema, Epicharis species Large Euglossini bees ⇒ long distance fliers and trapliners



Given that native bees were the most important pollinators of the studied species, their preservation within the remnant stands of native forests is vital for the reproductive health of the woody upper canopy stratum of tropical forests



Disruption of pollination services in fragmented forests is a major concern for the maintenance of the sustainability of forest management through low impact logging.

