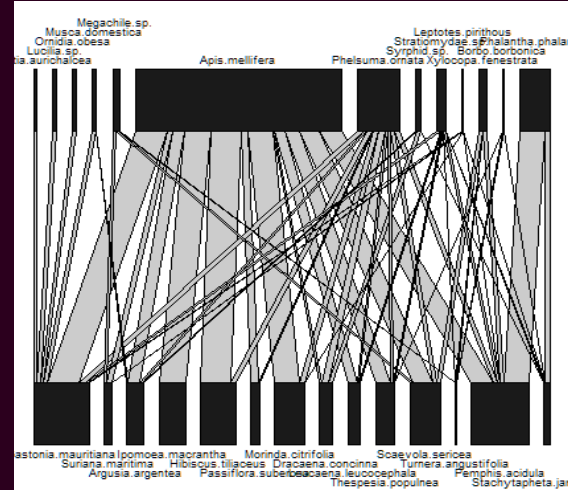
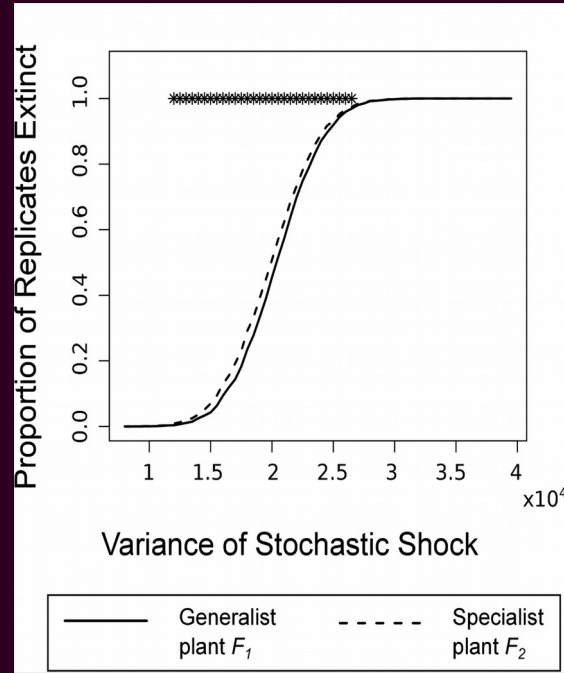




Identifying Extinction Risk Patterns in Pollination Networks And Conservation Planning To Reduce the Cost of Management-Necessitated Travel

Christine Dumoulin
Exit Seminar

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10:00 AM
Claxton 206



Extinction rates are currently far above background levels. Although conservation spending is substantial, there is a shortfall between the cost of meeting biodiversity targets and the resources available to do so. Consequently, decision-makers are faced with the task of identifying which taxonomic groups and geographical regions are of greatest concern, and prioritizing approaches with the greatest conservation benefit. In this talk, I discuss novel approaches in both of these areas.

First, I take a stochastic, community dynamic approach to modeling extinction risk patterns in pollination networks, and show how specialization and interaction network structure affect species' ability to persist in variable environments. I then discuss a method to reduce the operating costs that conservation organizations incur as a consequence of undertaking management activity, by choosing office locations to minimize annual travel distances.

