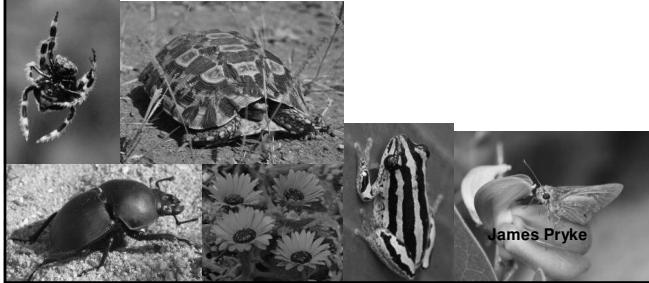


Multi-taxa approach to determine the optimal design for ecological networks

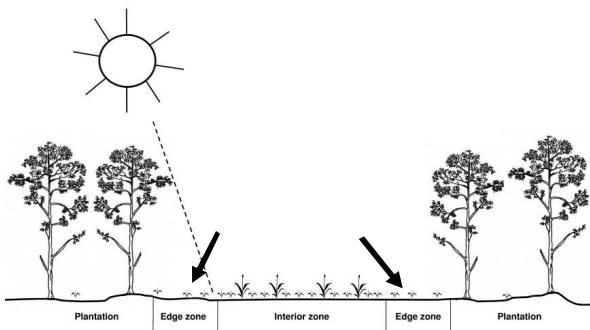


Overall Aim:

Using a multi-taxa approach determine how to best design ecological networks to maximize the conservation of biodiversity

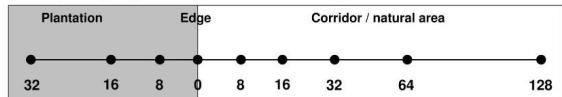


Determination of the edge zones

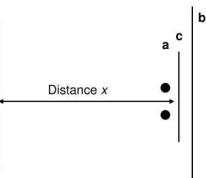


Sampling design

Plots (9 sampling stations, distances in meters)

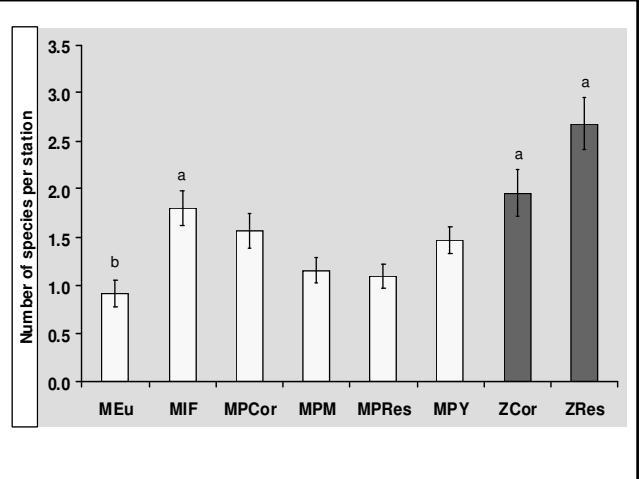
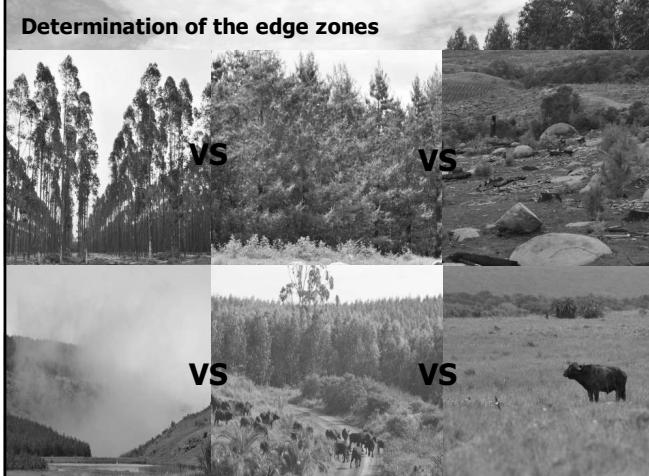


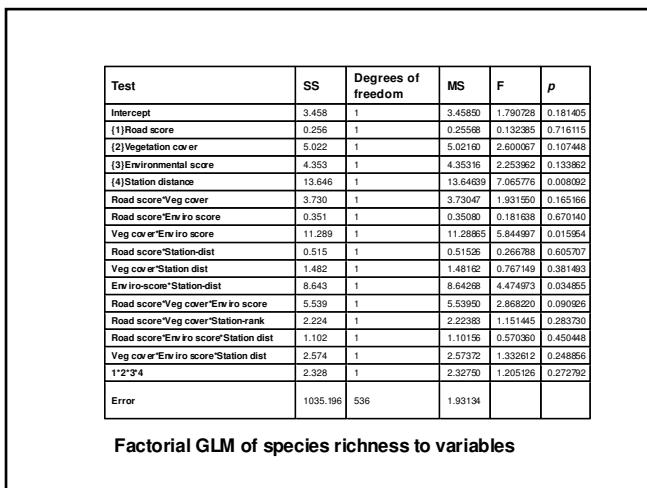
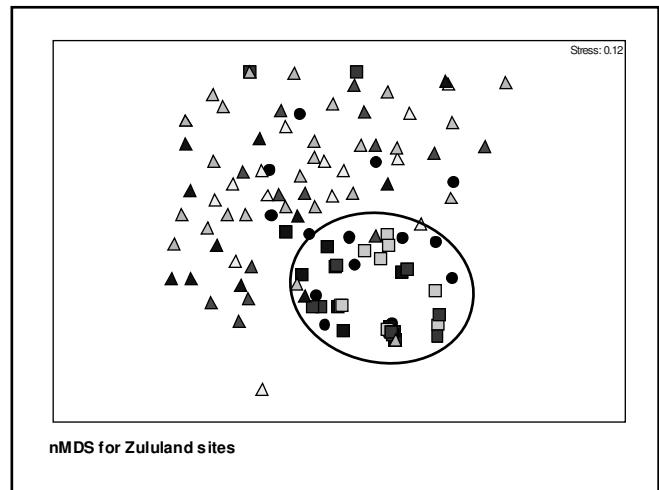
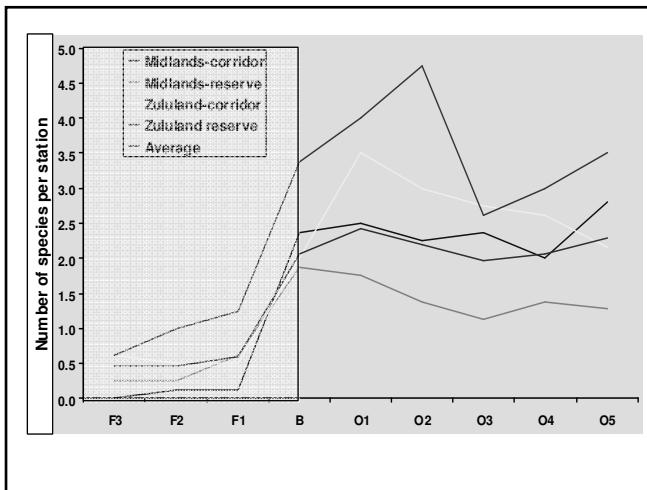
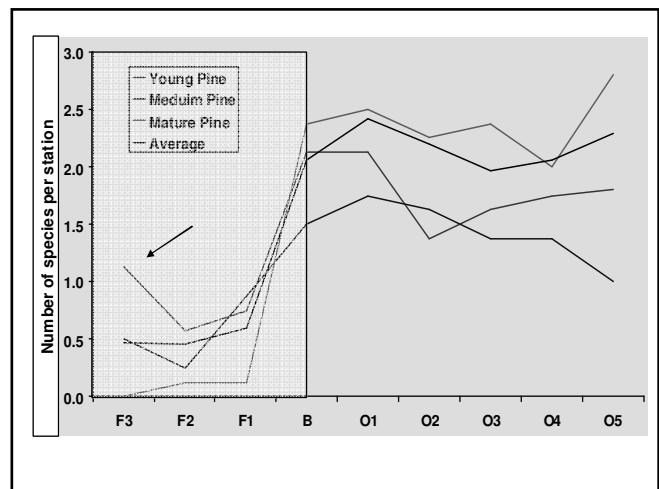
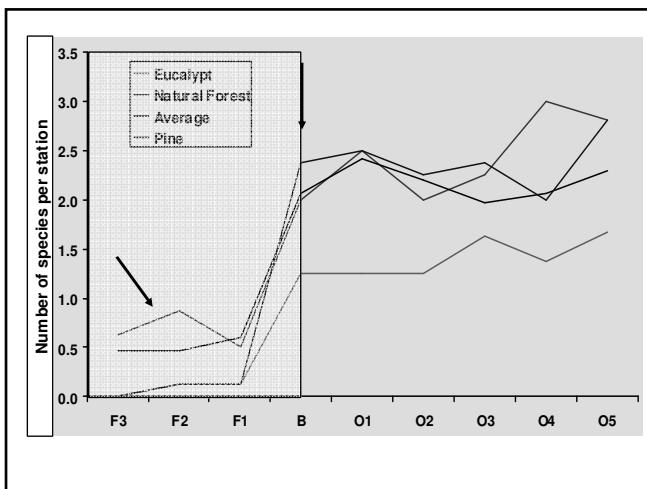
Sampling stations:



- a) Pitfall traps x 2 per site
- b) Diurnal transects 100m x 2 (1st observations, 2nd 200 sweeps)
- c) Nocturnal transects 50m x 2 (1st with torch, 2nd with UV lamp)

Determination of the edge zones

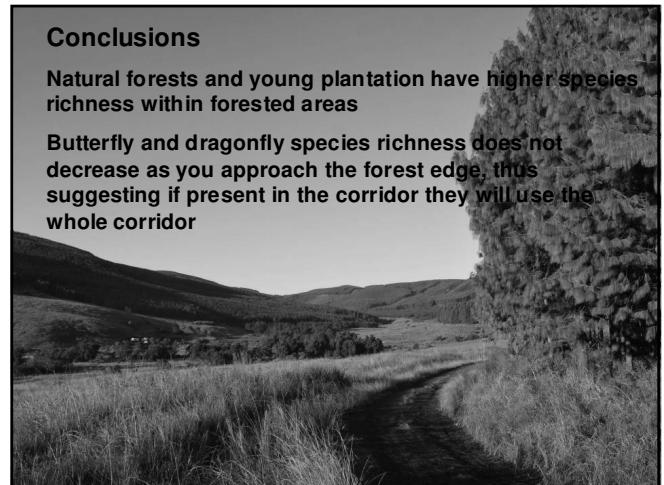


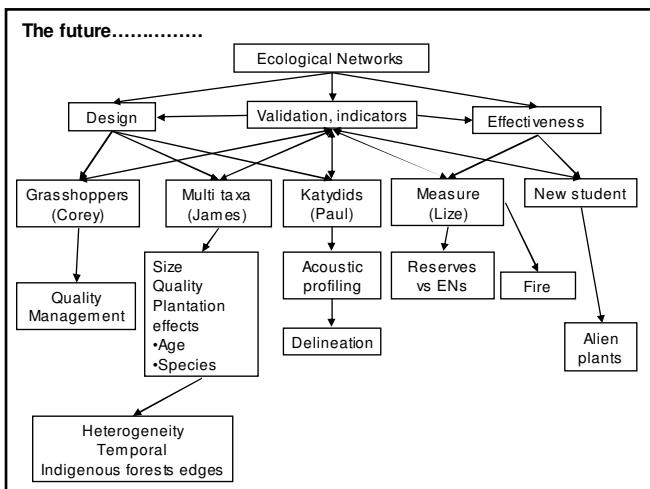


Conclusions

Natural forests and young plantation have higher species richness within forested areas

Butterfly and dragonfly species richness does not decrease as you approach the forest edge, thus suggesting if present in the corridor they will use the whole corridor





Acknowledgements

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