

The structure, stability & functioning of macro-invertebrate communities in rainforest transformation systems in Sumatra (Indonesia)

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Ecological and Socioeconomic Functions of Tropical Lowland Rainforest Transformation Systems

land-use intensity gradient based on a comparison of 4 transformation systems



Forest



Jungle Rubber

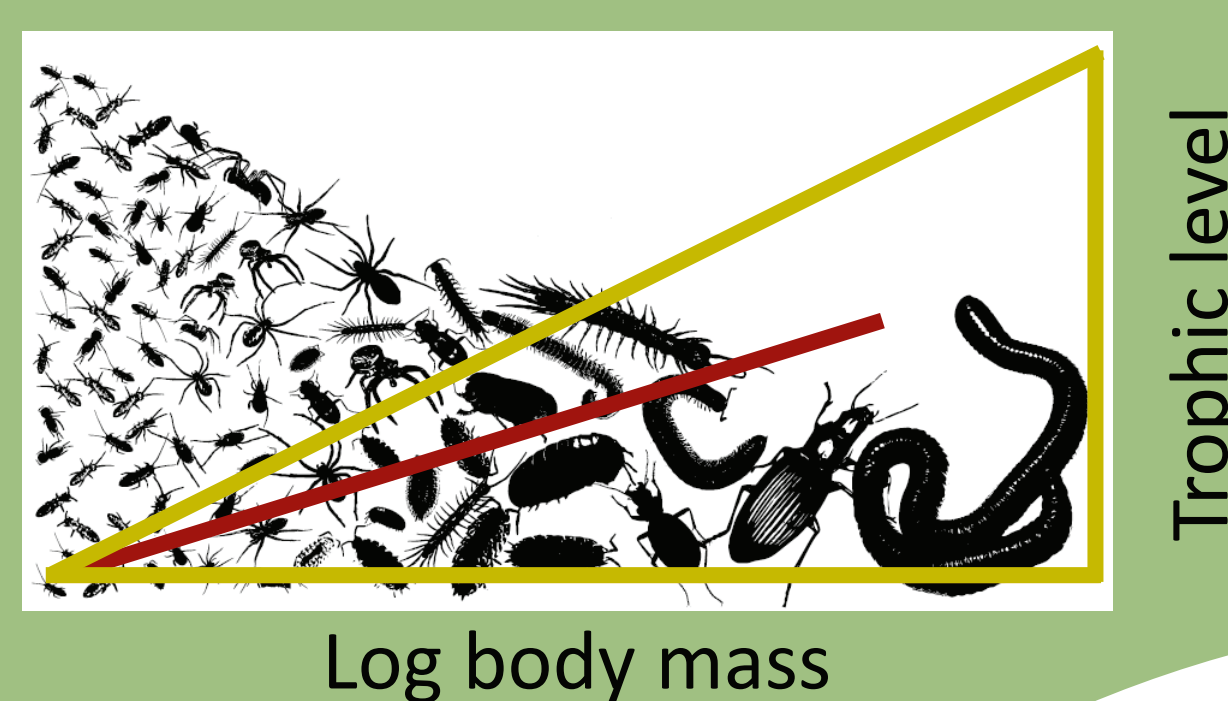
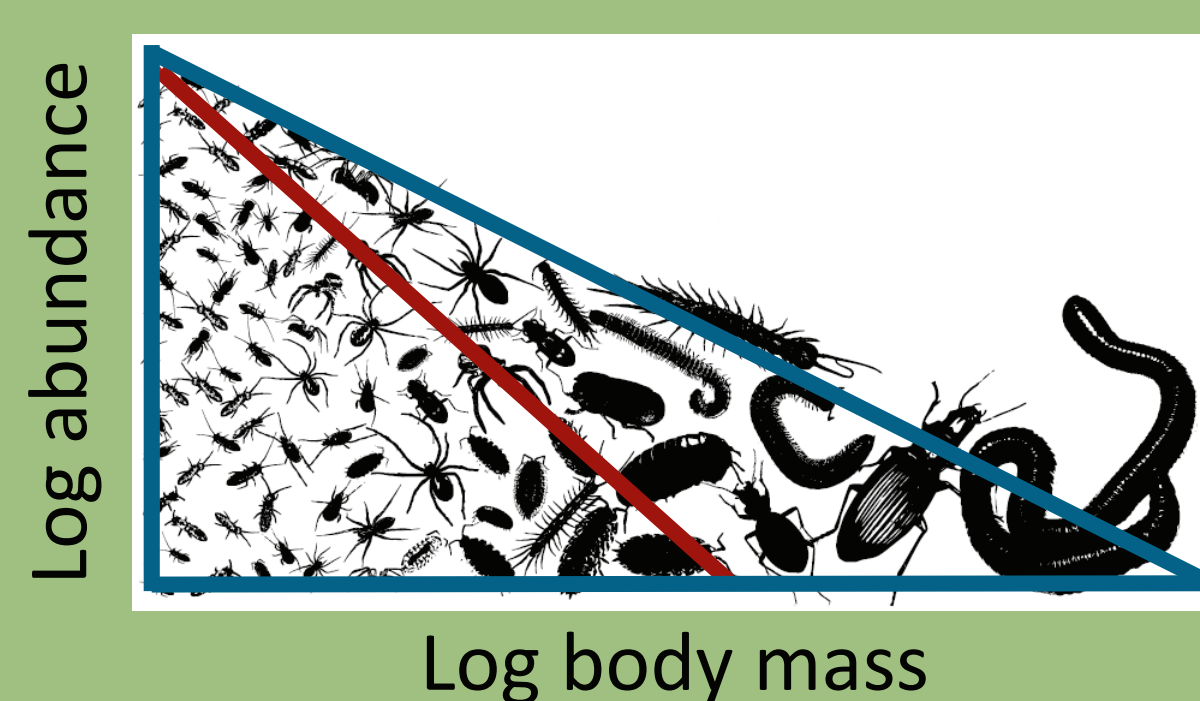


Rubber



Oil Palm

Macro-invertebrate community structure



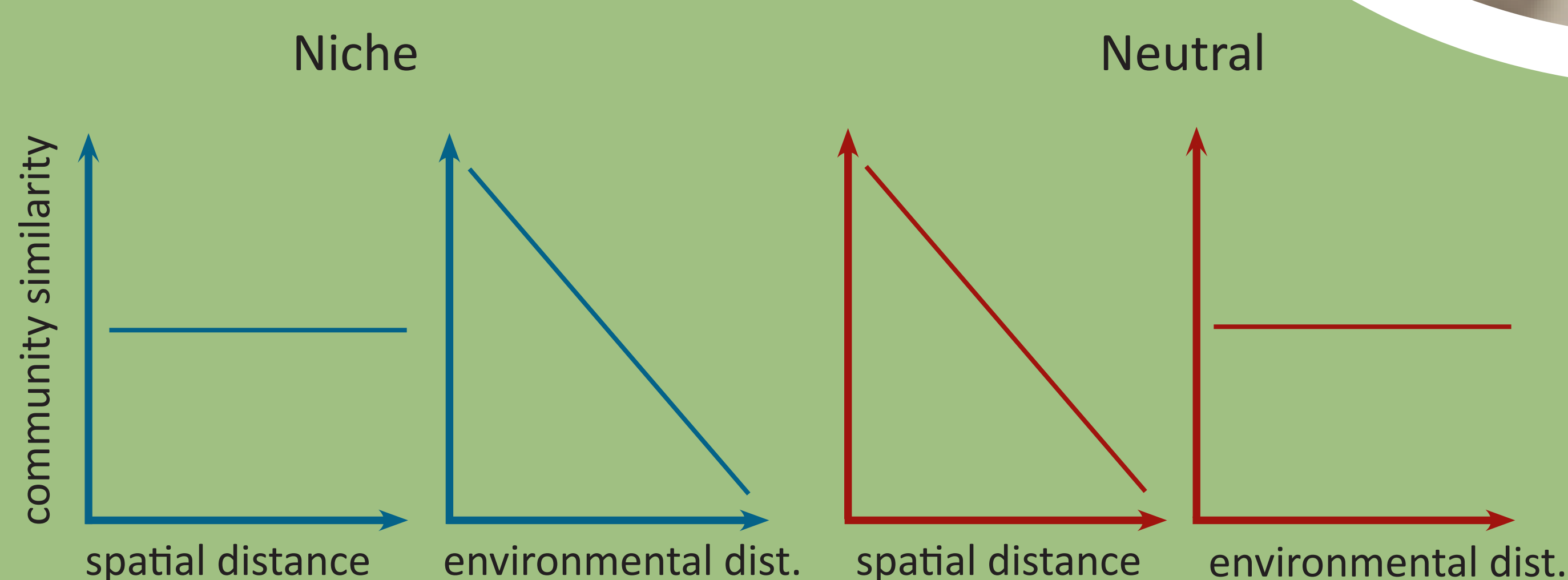
- Reference forest abundance
- Reference forest trophic level
- Hypothesized effect of transformation

Bottom-up or top-down control?



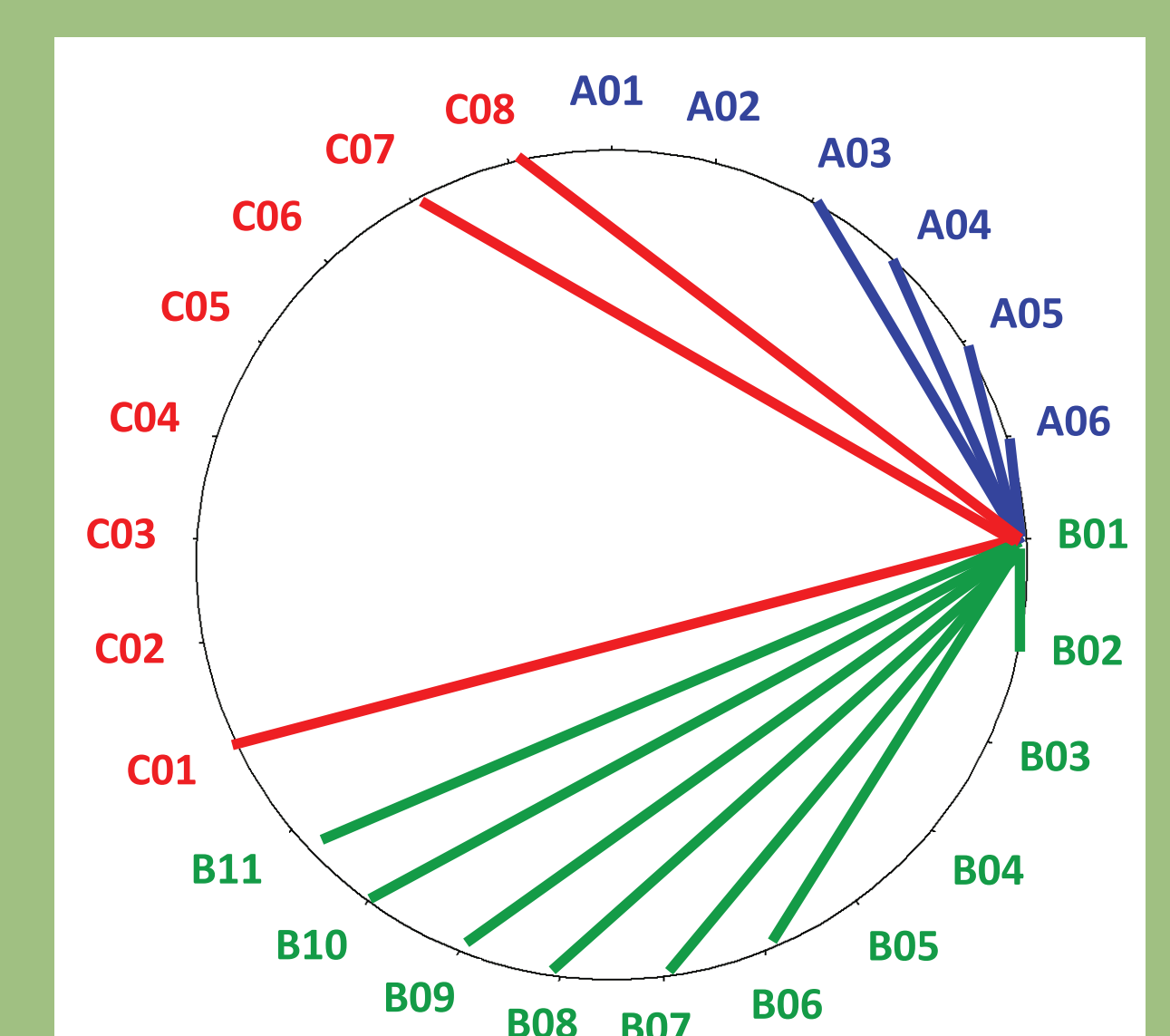
Niche vs. Neutral

Testing predictions of neutral and niche theory on beta diversity across spatial and environmental gradients for different land-use systems



Model analyses

Dynamic food-web modelling integrated across the CRC's projects. (A) Environmental processes, (B) Biota and ecosystem services, (C) Human dimensions



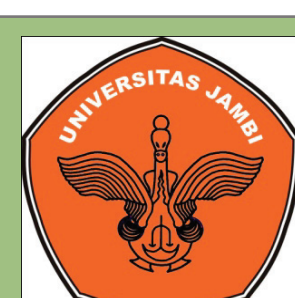
- population stability
- food web persistence
- decomposition rates



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