

Nome: Danielle Rappaport

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Nível de estudos: Graduate Fellowship

Título do Projeto: “Otimizando a restauração florestal com as considerações espaciais e temporais”

Área de interesse ou de pesquisa: Como uma *Yale Fox Fellow* na Universidade de São Paulo, estou atualmente trabalhando com métodos para priorizar a restauração florestal com base na interpretação de estrutura e conectividade da paisagem atual e histórica. Ao estudar as dinâmicas espaciais e temporais de uma região, podemos identificar áreas caracterizadas por débito de extinção, com grande potencial para a manutenção de populações a serem restauradas. Em 2012, terminei meu mestrado Engenharia Florestal na Yale University, onde estudei ecologia de florestas tropicais e a regeneração artificial de espécies nativas da Mata Atlântica. Anterior ao mestrado, trabalhei no American Forest Foundation, National Geographic Society, International Union for the Conservation of Nature (IUCN) e no World Resources Institute.

Palavras chaves: Débito de extinção; Florestas secundárias; Florestas tropicais; Regeneração; Teoria dos grafos; Uso de terra.

Supervisor(s): Jean Paul Walter Metzger

Funding: Fox International Fellowship from Yale University

Project title: “Balancing forest restoration urgency with feasibility: Optimizing restoration site selection with spatial and temporal considerations”

Research interest: As a Fox Fellow at the University of São Paulo, I am currently working on methods to prioritize forest restoration based on interpreting present-day and historical landscape structure and connectivity dynamics. In focusing on both the spatial and temporal context of a given landscape, we can identify areas characterized by potential biological time-lags to habitat disturbance, with great potential for successful population maintenance, if restored. In 2012, I received my Master in Forestry (MF) degree from Yale University, where I studied tropical forest ecology and the artificial regeneration of native species in Brazil’s Atlantic forest. Prior to graduate school, I worked in a variety of roles at the American Forest Foundation, the National Geographic Society, the International Union for the Conservation of Nature (IUCN), and the World Resources Institute.

Key-words: Atlantic forest; Extinction debt; Graph theory; Land-use change; Regeneration; Secondary forests; Tropical forests.

Supervisor(s): Jean Paul Walter Metzger

Funding: Fox International Fellowship from Yale University

Publicações:

Rappaport, D., Montagnini, F. (2013). Evaluating the growth of native tree species in an enrichment planting in the understory of a rubber (*Hevea brasiliensis*) plantation in southern Bahia, Brazil [Manuscript in preparation]