



**Remote Sensing of  
Regenerating Vegetation**

LBA-ECO

October, 2006

# Remote Sensing of Regenerating Vegetation

We will generate three products:

1. Comprehensive review paper (**JAN 07**)
2. Estimates of the persistence of regenerating vegetation at 4-8 sites across the Amazon using time series of Landsat data (**MAY 07**)
3. Basin-wide map of regenerating vegetation combining MODIS and Landsat data from 2002 or 2003 (**SEP 07**)

# Product 1: Review Paper

- We have a draft manuscript.
- It needs another round of editing.
- If anyone wants to participate in the editing process or provide suggestions/feedback:  
**steve.hagen@unh.edu**
- We plan to submit manuscript by January 2007

# Product 2: Multi-site comparison of persistence of regenerating vegetation

1. Consolidate Landsat image data from participating groups (3-10 geographic locations)
  - a) Geo-registered
  - b) Multi-temporal
2. Calculate persistence (rates of change) in stands of regenerating vegetation
3. Identify and quantify potential sources of error (e.g. annual gap in time series)
4. Write manuscript

## Product 3: Basin-wide map of regenerating vegetation for 2002

1. Estimates of sub-pixel fraction of regenerating vegetation from 500 m time series of MODIS data
2. Classified Landsat scenes from around the basin used for training and validation
3. Non-linear regression modeling with neural network to relate Landsat and MODIS (Braswell et al. 2003)

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