

Human and Physical Dimensions of Land Use/Cover Change in Amazonia: Towards Sustainability

LBA - LC 34



**PI's: Emilio Moran, Mateus Batistella
Indiana University
Embrapa Satellite Monitoring**

Human Dimensions Synthesis Break-Out

- Presentation of the outline for the synthesis book *Ambiente e Sociedade na Amazônia: Contribuições do LBA e Outras Perspectivas*
- Presentation of the draft for the synthesis article *Myths and Perspectives on Land-Use and Land-Cover Change in the Amazon*
- Inputs from the participants

LC-34 Synthesis Book

AMBIENTE E SOCIEDADE NA AMAZÔNIA: Contribuições do LBA e outras perspectivas

Organizadores: M Batistella, EF Moran, DS Alves

APRESENTAÇÃO

Seção I - Dimensões Humanas no LBA

Organizador: DS Alves

Cap 1 - Dimensões humanas e mudanças de cobertura e uso da terra: avanços e desafios no LBA

DS Alves, M Batistella, EF Moran

Cap 2 - Ciência e sociedade: reflexões sobre o caso do LBA

T Schor [, DS Alves]

LC-34 Synthesis Book

AMBIENTE E SOCIEDADE NA AMAZÔNIA: Contribuições do LBA e outras perspectivas

Organizadores: M Batistella, EF Moran, DS Alves

Seção II - Trajetórias e cenários para a Amazônia

Organizador: M Batistella

Cap 3 - Trajetórias de uso e cobertura da terra na Amazônia em escala local e intra-regional

ES Brondizio, EF Moran [ou D Lu, DS Alves, M Batistella, EF Moran, ES Brondizio]

Cap 4 - Trajetórias e cenários em demografia

D Hogan [,A Dantona?]

Cap 5 - Modelagem de mudanças de cobertura e uso da terra

B Soares Filho [,A Carneiro]

Cap 6 – Sistemas produtivos emergentes na Amazônia

WM Costa

LC-34 Synthesis Book

AMBIENTE E SOCIEDADE NA AMAZÔNIA: Contribuições do LBA e outras perspectivas

Organizadores: M Batistella, EF Moran, DS Alves

Seção III - Territórios e instituições

Organizador: EF Moran

Cap 7 - A questão agrária e suas instituições na Amazônia

FA Costa, RA Santos

Cap 8 - Ordenamento territorial e geografia dos atores: o caso da área de influência da BR-163

RA Santos, E Castro

Cap 9 - Ambiente e sociedade - a experiência do LBA

C Nobre, B. Becker

LC-34 Synthesis Book

AMBIENTE E SOCIEDADE NA AMAZÔNIA: Contribuições do LBA e outras perspectivas

Organizadores: M Batistella, EF Moran, DS Alves

- **Globalization issues (exogenous force), macroeconomics, infrastructure**
- **Historical context: What did we have in the past? Where are we now?**
- **The importance of actors and how they have changed the Amazon: a truly integrated system where the actors are adapting through time (agent based approaches). Maybe a chapter or embedded in Ch 3**
- **Ch 6 could also include environmental services issues**
- **Ch 8 should include other areas besides BR-163 if we want a regional perspective**
- **Ch 8 could also include a discussion on public policies, international policy advances, participatory initiatives being absorbed by the government (MAP, BR-163 etc.)**
- **A chapter on regional economics should be included. And we did (Bob Walker and others)**

LC-34 Synthesis Article

Myths and Perspectives on Land Use and Land Cover Change in the Amazon

Emilio Moran, Mateus Batistella, and Diógenes Alves

Myth 1. The Amazon as El Dorado

Myth 2. Population growth is the major destructive force, or driver, responsible for the degradation of the Amazonian environment

Myth 3. The soils of the Amazon are very poor and agricultural development efforts will fail

Myth 4. Only the large-scale entrepreneur has the capacity to develop the agricultural economy of the Amazon

LC-34 Synthesis Article

Myths and Perspectives on Land Use and Land Cover Change in the Amazon

Emilio Moran, Mateus Batistella, and Diógenes Alves

- **Another possible myth: Agricultural development in the Amazon will destroy the global environment**
- **For the myth of poor soils, it is interesting to highlight the complex dynamics leading to different land uses showing that the exuberant but fragile ecosystems of the Amazon perhaps are not that fragile and agricultural can be 'sustainable'**

The road ahead: HD in LBA 2

- Institutions and governance
- Institutions and policy making in S&T
- Institutions and social structure
- Logistics, regional development, and urbanization
- Production systems
- The agrarian question
- Population mobility and urbanization
- Land cover and use changes

The road ahead: HD in LBA 2

- Health, environmental policies
- Regional economics
- Social movements (and NGO's) and their impact in policy making
- Cultural and territorial integrity of indigenous populations



We appreciate all the inputs and we
have your names and e-mails...

THANK YOU!