



### 13<sup>th</sup> International Congress of Ethnobiology

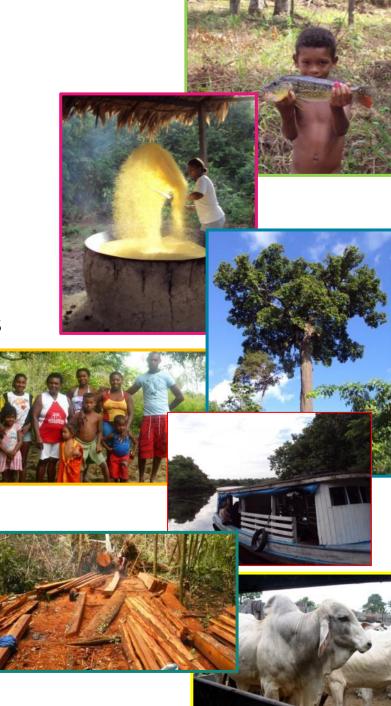
S12: Environmental"norms,"mobility"and"biodiversity"management"in"Amazonia

### Land tenure security, rural-urban mobility and resources management in a *quilombola* territory (Trombetas river, Pará, Brazil)

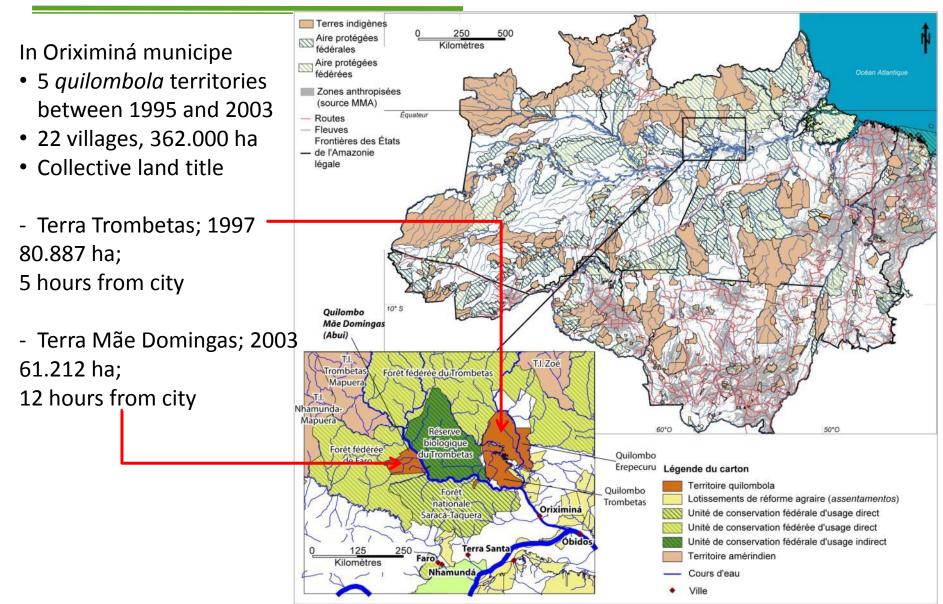
Stéphanie Nasuti, Centro de desenvolvimento sustentável – Universidade de Brasília
Ludivine Eloy, CNRS (UMR 5281) – Universidade de Brasília
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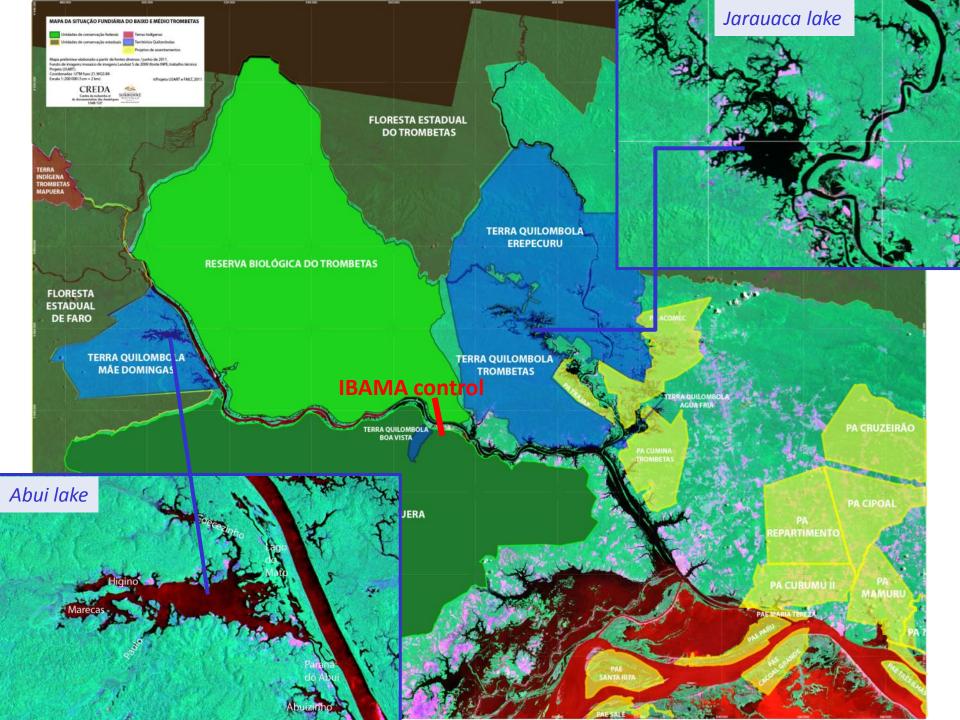
Montpellier May 24, 2012

- Households are not homogeneous, even in contexts of collective land tenure
  - Hypothesis 1: somes activities depends on the level of capitalization of the households
  - Hypothesis 2: mobility behaviour varies according to the use of resources
- What do we learn of resources management from the observation of urban mobilities?
- Does rural-urban mobilities reflect differenciations between households?



### **Quilombolas territories and protected areas**





# **Family network dispersion**

Spatial relatives dispersion from Jarauaca and **Abui communities** 

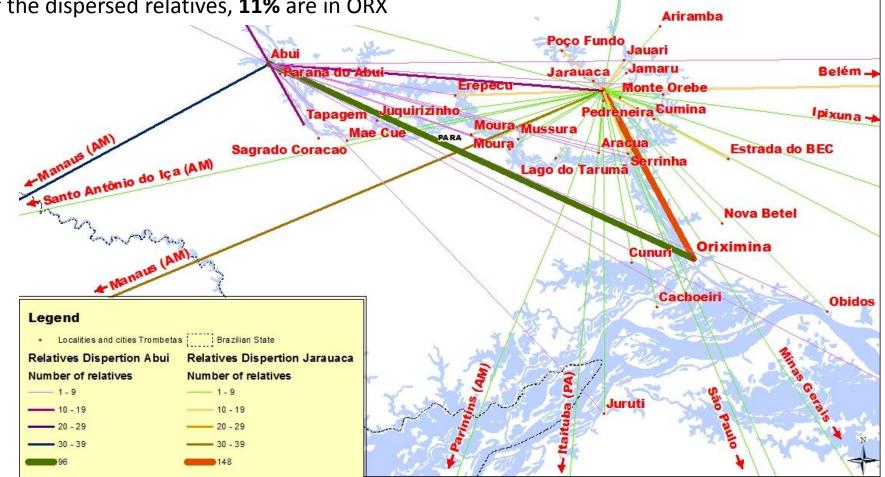
### Abui

- 72% of relatives in the village
- Of the dispersed relatives, 11% are in ORX

#### Jarauaca

- **43%** of relatives in the village
  - Of the dispersed relatives,

#### 24% are in ORX

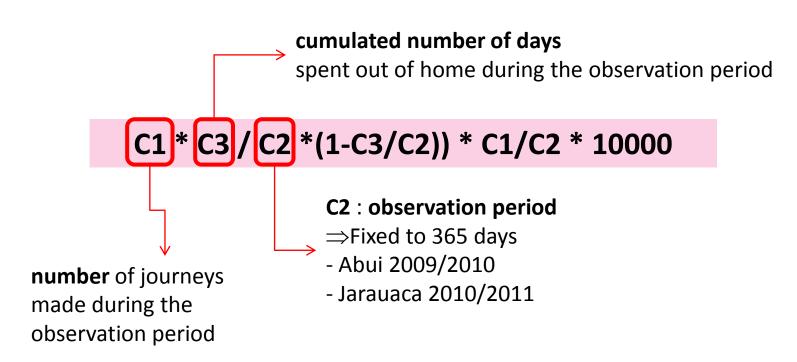


# **Individual and family circulation**

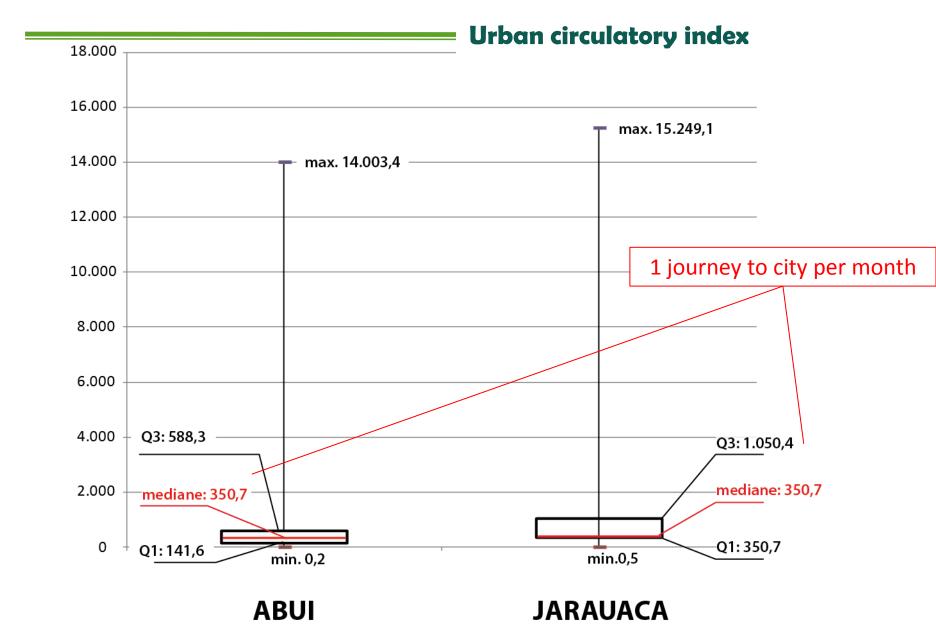
### • Circulatory index (CI)

adaptated from

Baby Collin V., Cortes G., Faret L., Sassone S., "Approche comparée des parcours de mobilité des migrants internationaux latino-américains. Mexique-Bolivie". International congress, "Circulation et territoires dans la migration internationale", Toulouse, 2005



## **Village-city circulation**

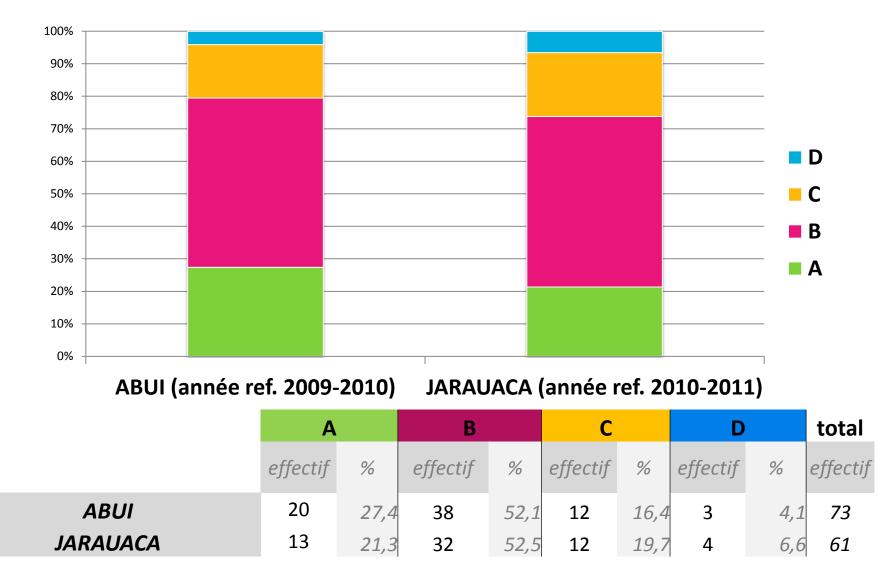


## Typology of individual \_\_\_\_\_\_ « urban circulation patterns »

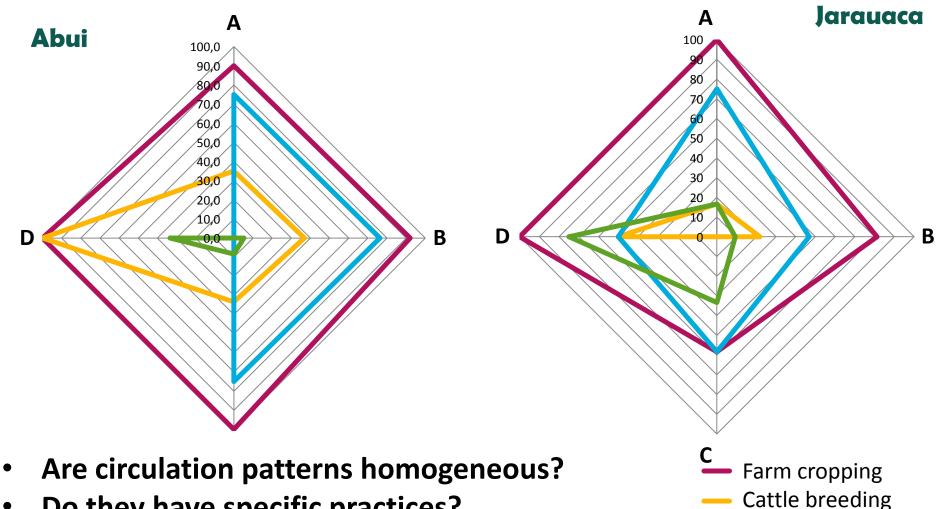
• 4 distinct patterns of circulation

	Circulation pattern	Average number of annual trips	Urban Cl	type
Little circulating	Less than 1 trip per month	up to <b>8</b> trips per year	0-268	Α
Medium circulation	About 1 trip / month 1 trip every 3 weeks or long journey	up to <b>15</b> trips per year	269-793	В
Rather circulating	About 2 trips/month (every 2 weeks)	up to <b>27</b> trips per year	794-3999	С
Very circulating	3-4 trips /month ou frequent journeys with long stay	up to <b>61</b> trips per year	>3999	D

### Typology of individual \_\_\_\_\_\_ « urban circulation patterns »



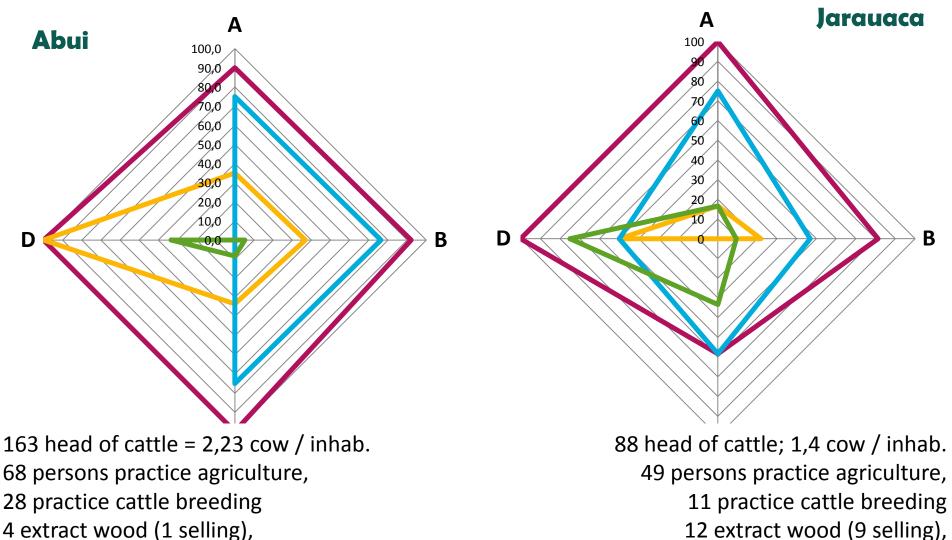
### **Circulation pattern and agricultural practices**



Do they have specific practices?

- Brazil nut gathering
- Wood extraction

### **Circulation pattern and agricultural practices**



33 extract Brazil nut (7 selling).

- 4 extract wood (1 selling),
- 53 extract Brazil nut (1 selling?).

# Complementarities

- Two family models
  - Same circulation pattern
  - Complementary pattern

	Same pattern households	Complementary pattern households
Abui	13 (A/B pattern)	14 (A+B pattern)
Jarauaca	9 (B/C pattern)	10 (B+C pattern)

• High circulation exists only in a complementary pattern

### **Mobility and natural resources management**



- Rules
- Dispersion and belonging
- Who is part of our village?

• Land tenure fixation

•Internal / external resources management

