## **BRAZILIAN AMAZON**

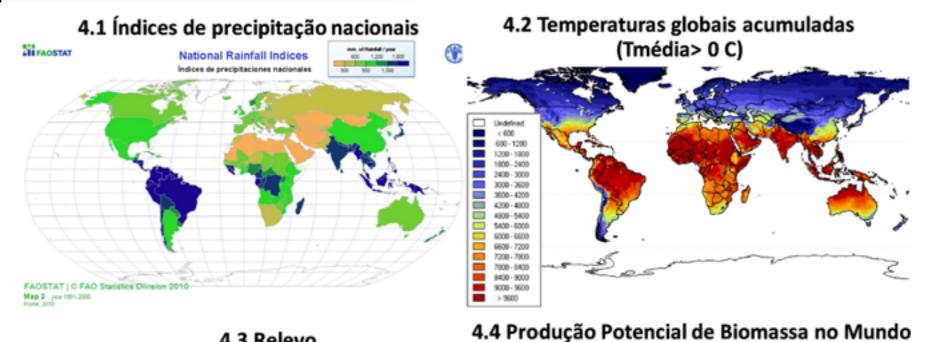
## Challenges and Strategies to Continuous Decreasing Deforestation

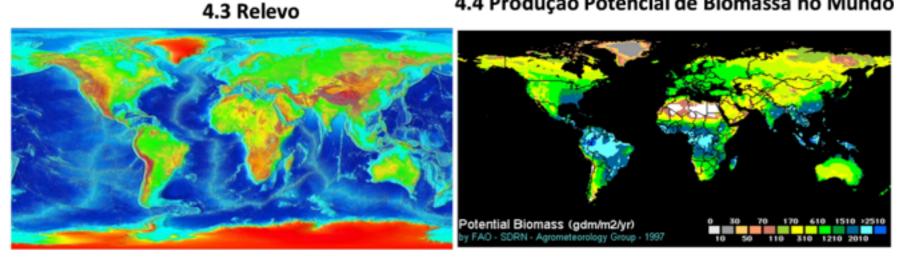
Arnaldo Carneiro Filho Brazil December, 2013



Protecting nature. Preserving life."

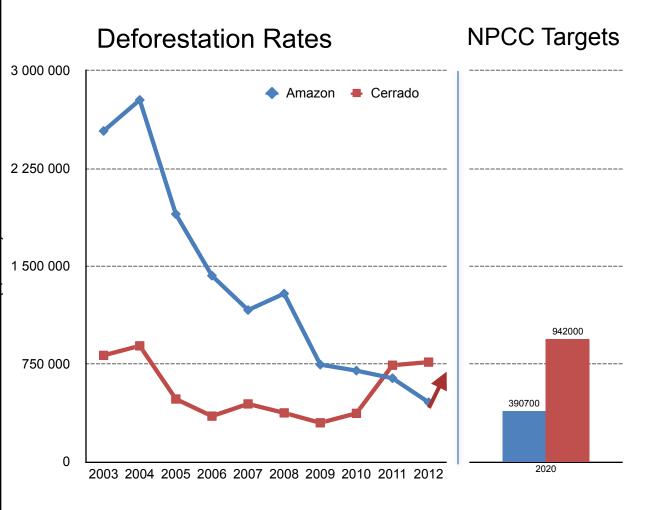






Brazil is considered the country with the largest growth potential.

# Deforestation Rates in Brazilian Amazon and Cerrado: Observed and Targets for 2020



## Amazon

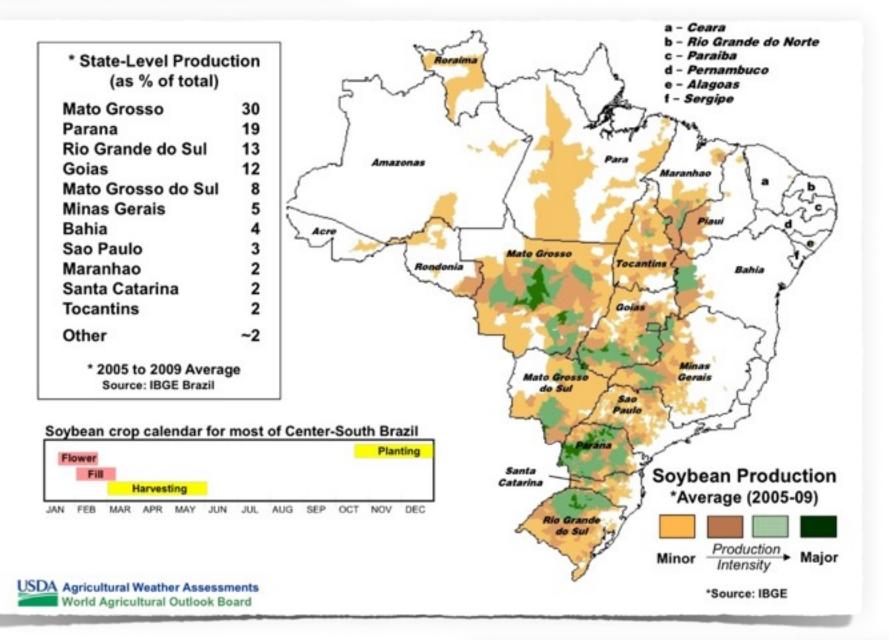
- The scenario of uncontrolled Amazon deforestation has passed
- Illegal deforestation has strongly dropped (although no numbers on legal and illegal deforestation are available)
- Deforestation continues falling but at lower decreasing rates
- Current deforestation rate is close to the 2020 target
- No soybean is occupying recently cleared areas (Soy Moratorium)
- Cleared land is mainly occupied with pastures

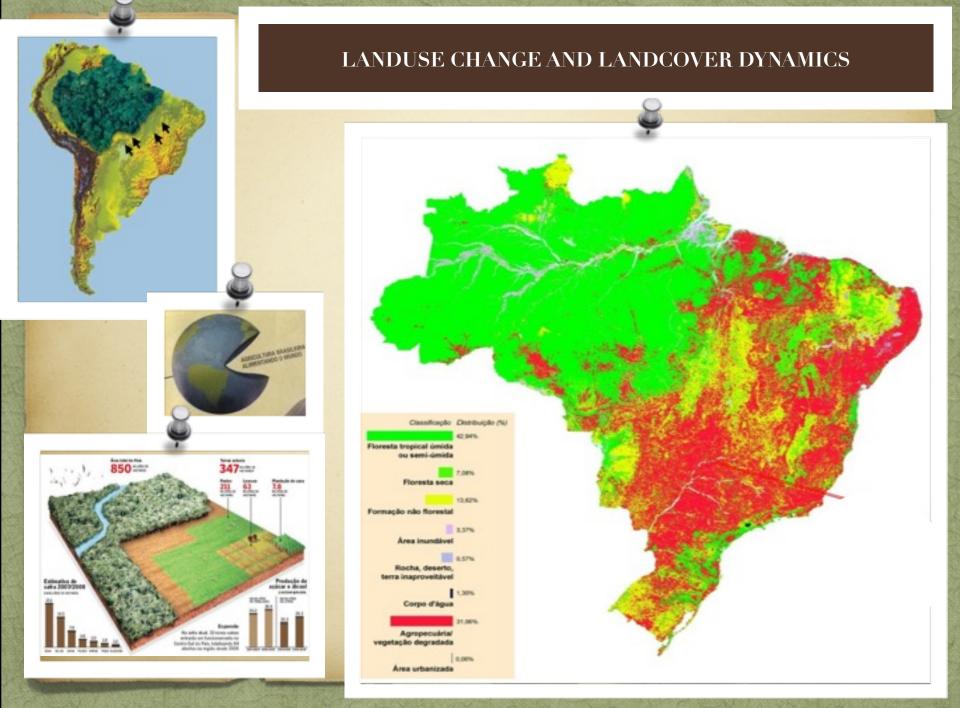
## Cerrado

- Different dynamic than Amazon. Level of legality is **much higher**: land conversion supported by official licenses and permits
- Cerrado conversion rates are facing new increases, however no indication of deforestation peaks
- Current deforestation rate is already below the 2020 target

Source: INPE-PRODES (Amazon); UFG-LAPIG (Cerrado). NPCC: National Policy on Climate Change





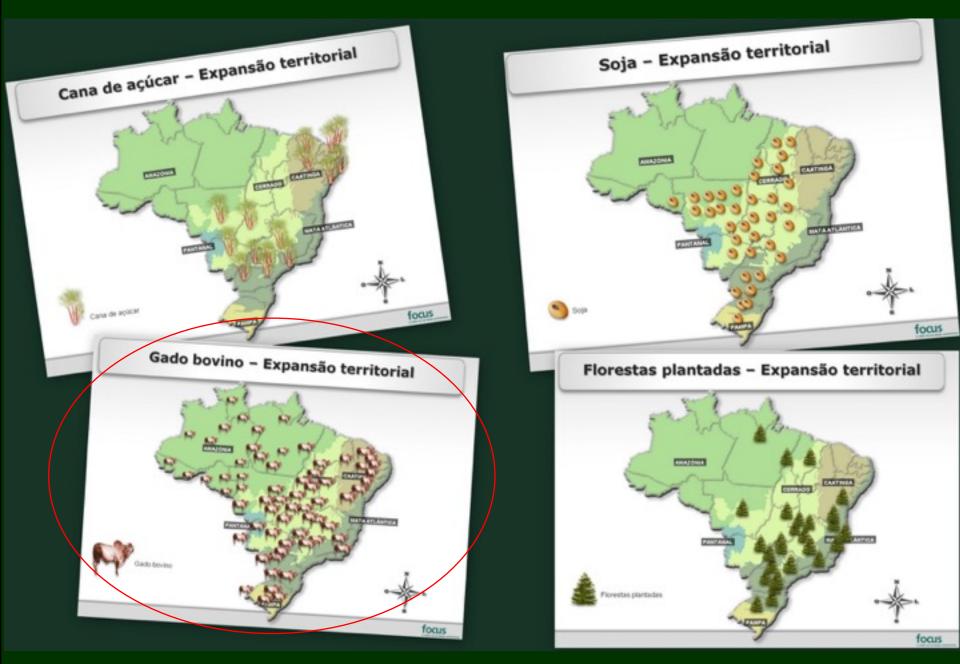




## **Best Agriculture Practices**







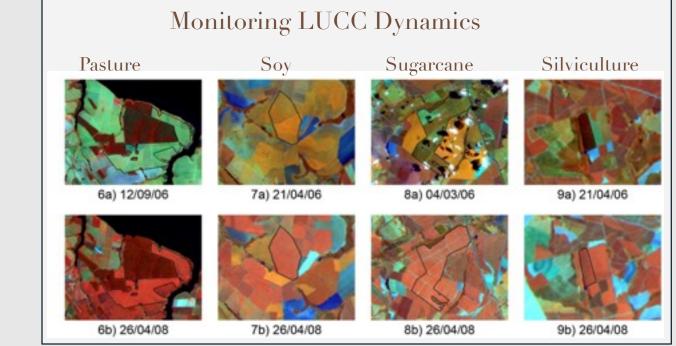
# OTIMIZAGRO — Evolução do SimBrasil Freeware Dinamica EGO www.csr.ufmg.br/dinamica www.csr.ufm

Mundial

Soares-Filho et al. 2012. IAD8 iadb.org/sustainability/soares

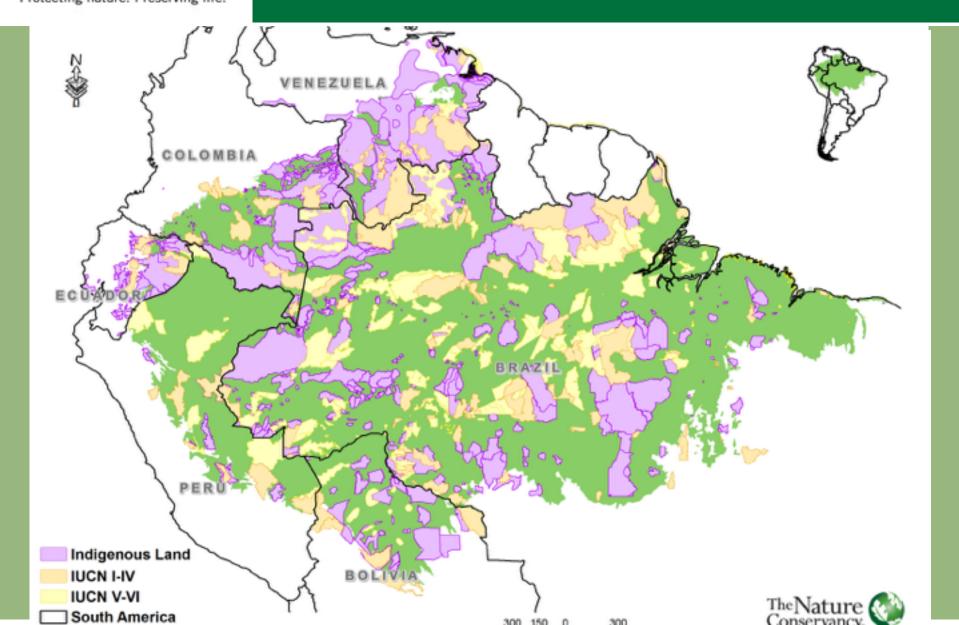








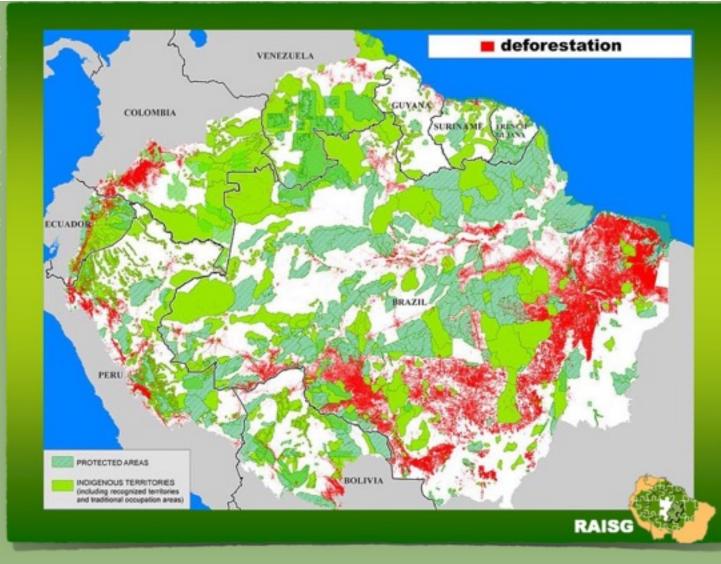
## **Private Lands in the Amazon: 32%)**





## **Amazon Deforestation Dynamic**

Conversion is not a slow uniform process and happens abruptly driven by e c o n o m i c development.

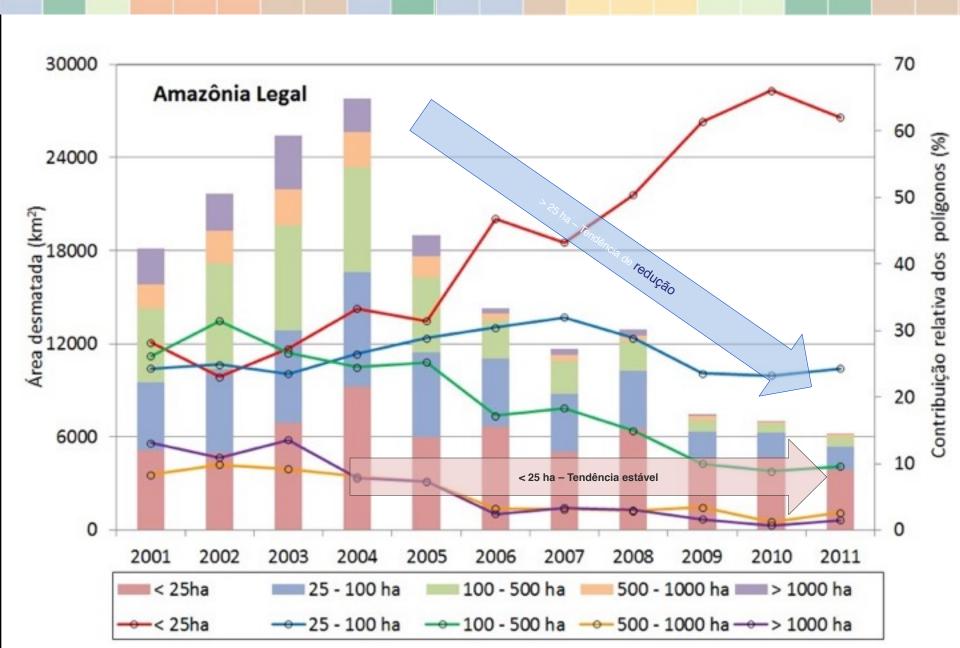


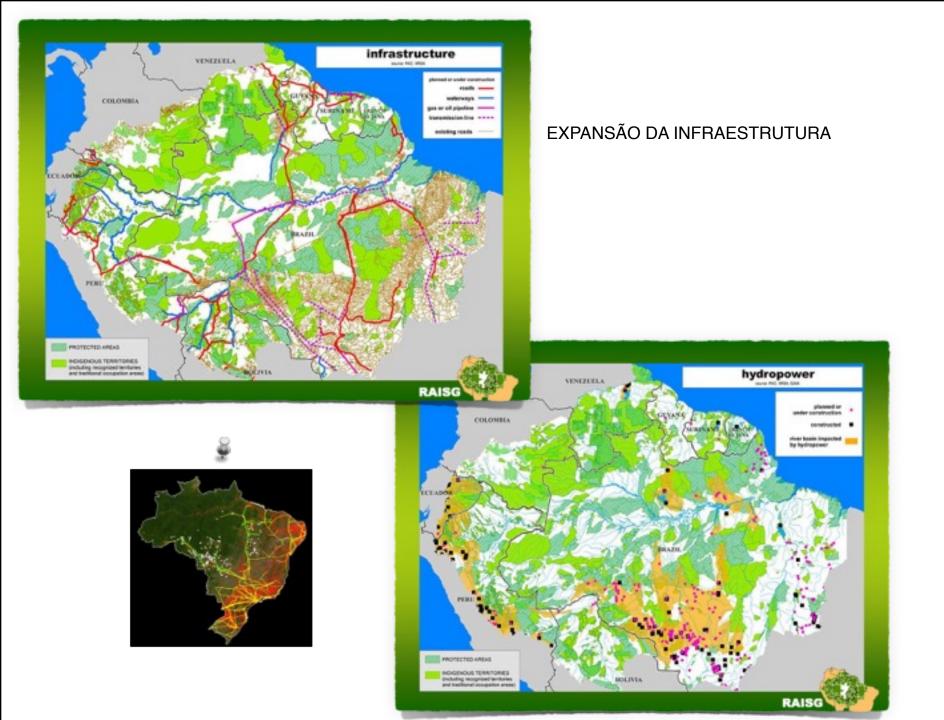


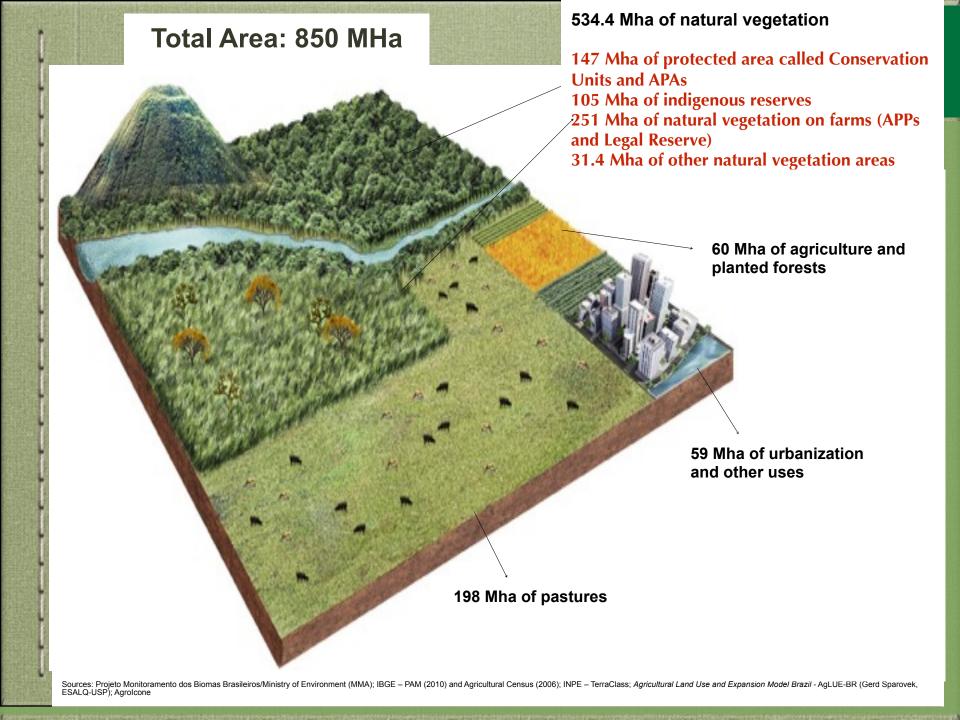
# **Drivers of deforestation**











# **AMAZON DEFORESTATION CERRADO DEFORESTATION**

## Contribuição das classes de área dos polígonos vs Área desmatada

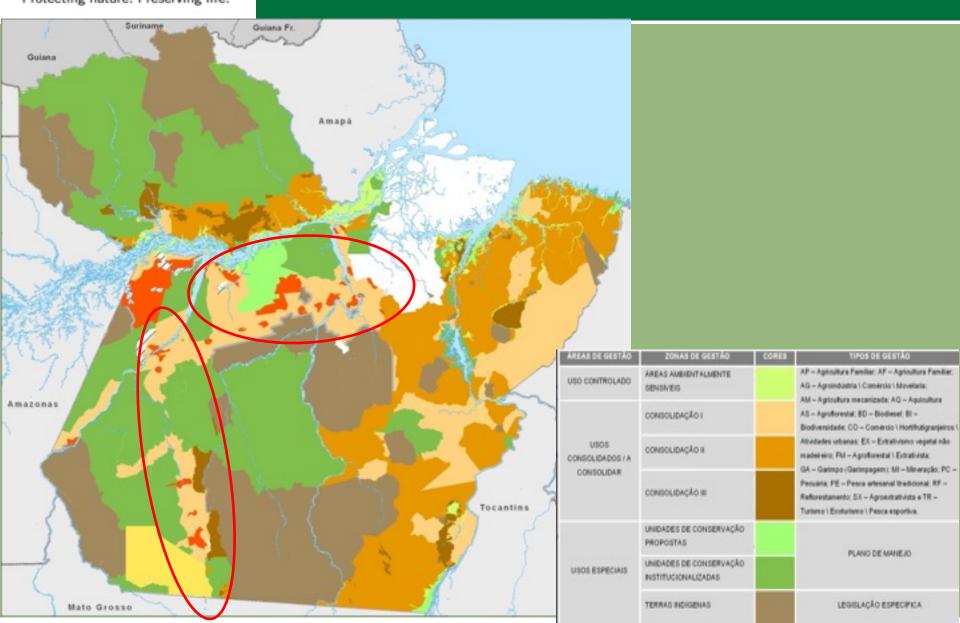


# Desmatamento Anual ~1,2 milhões hectares





## Potential Agriculture Expansion in Para





## **Sustainable Harvest in the Amazon**

- Promoting environmental legislation compliance Forest Code
- 2. **Enabling** conditions for zoning and rural sustainable development policies
- Shaping Functional Productive Landscapes – Farms
- 4. **Supporting** Responsible Sourcing Policies
- 5. **Guarantee** Effective Biodiversity conservation in Private Lands



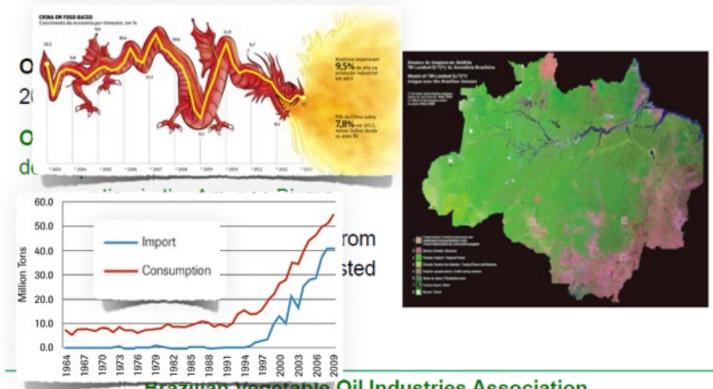


## Responsible Sourcing - Soybean Moratorium



# Soy Moratorium

## The Initiative



Brazilian Vegetable Oil Industries Association



# Soya Moratorium transiction

- 1. Rural Farms environmental registry CAR
  Legal Reserves (LR) and Areas of Permanent Protection (APP)
- 2. Land-tenure analysis (risks analysis)
  Avoid Potential conflict s and Land grabbing
- 3. Strategic Landscapes Planning farm scale
  Ecological corridors connecting LR & APP to forest remnants
- 4. Environmental Regularization LAR

  Degraded Areas Restoration Projects and LR regularization
- 5. Deforestation monitoring & Responsible Sourcing

## **THANKS**

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