

# Establishing frameworks for ecosystems service markets: creating political support

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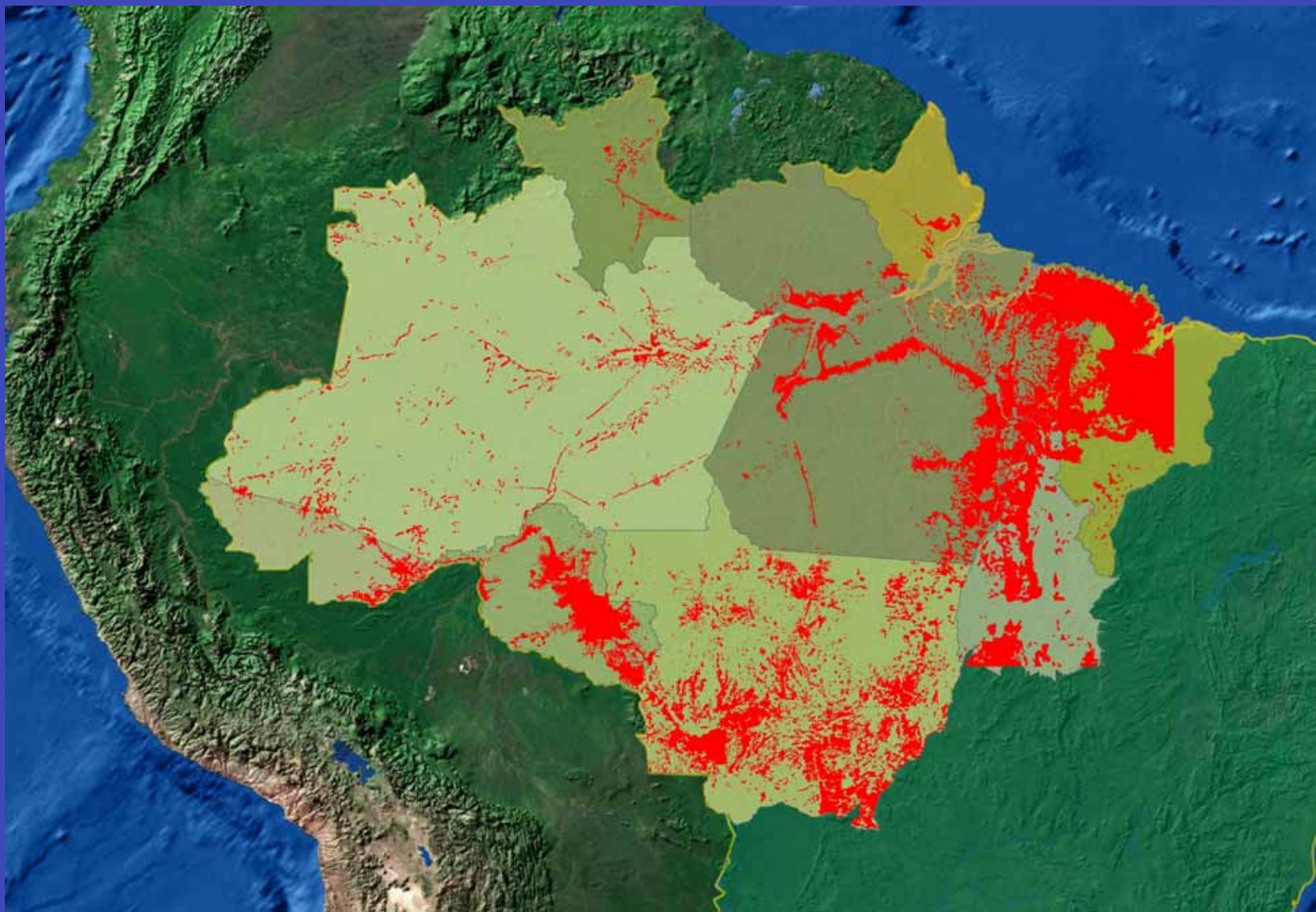
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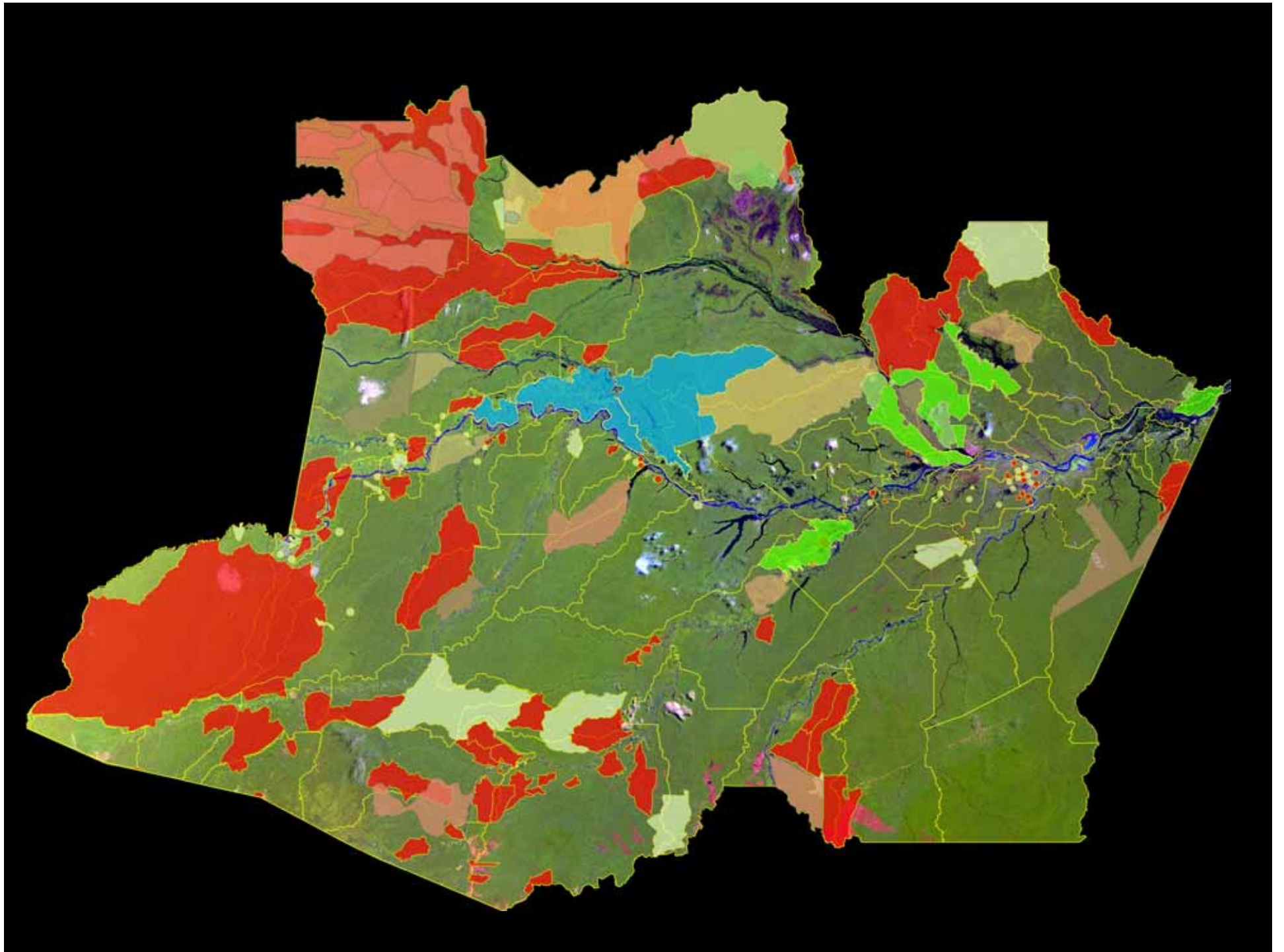
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# ASSETS OF AMAZONAS STATE

- 157 million ha, 1/3 of Brazilian Amazonia
- 40 % of protected areas
- 2% deforestation
  - biodiversity
  - carbon and climate change
- Population of 2,8 million
  - 1,4 million in Manaus
  - Indigenous cultural diversity
    - 40 million há
    - 66 ethnical group
    - over 20 non-contacted indigenous groups
- World's largest above ground reservoir of fresh water



# PROTECTED AREAS OF AMAZONAS STATE

- Indian reserves..... 42
- Federal protected areas..... 17,5
- Overlaps in protected areas .....8,2
- State protected areas..... 8
- New State protected areas ..... 4,2
  
- TOTAL.....63 million ha  
(40,2%)

# *The Zona Franca Verde* Sustainable Development Program

*promote sustainable development in the Amazonas State, through a large and well managed network of protected areas, supported by forestry, fisheries and agricultural production systems that are ecologically sound, socially fair and economically viable; and providing ecosystem services.*

# Goals

- Improve rural livelihoods and increase employment opportunities in urban areas from sustainable production and environmental service providing
- Counter the process of deforestation
- Become a world leader in ecosystem services

- Poverty: HDI = 0,4 to 0,7



– 39% of Amazonas with less than US\$ 1 a day



How to face this challenge?



– Amazon ecosystem services will only be guaranteed in the long run if sustainable land uses are more profitable than available alternatives

*Generate employment in rural areas and small towns from sustainable forestry and fisheries production and ecosystem services*



# 1 - Building institutional framework

- New institutions
  - e.g. Agency of forests and Sustainable Business
- Strengthening existing institutions
  - e.g. State University of Amazonas
- Integrated sustainable development programs
  - US\$ 10 million/region
  - Sustainable Development Credit Card
  - Credit to forestry and fisheries business

## 2 - Establishment of new protected areas

*Total of 4,2 million ha*



# New protected areas

- RDS of Cujubim
- RDS of Piagaçu- Purus
- Extractive Reserve of Catuá-Ipixuna
- Cuieiras State Park
- Samaúma State Park
- State Forest of Urubú River
- State Forest of Maués



### 3 - Support the growth of hightech industries: *tax revenues to invest in sustainable development*



4 - Counter  
deforestation by  
increasing the  
value of  
forest products and  
services





# Challenges

- How to move international partnerships from donations for pilot projects to fair trade of sustainable products and services?
- How to develop markets for ecosystem services: carbon, water and biodiversity?



# Ecosystem services



- Carbon
  - Baseline: deforestation
  - Move from fossil fuels to biomass
- Biodiversity
  - Investments and recurrent costs of protected areas
- Water resources
  - Compensation for opportunity costs of alternative land uses

# Partnerships

- What is the role of social and environmentally responsible governments, multilateral organizations, private corporations and non-governmental institutions in creating markets for Amazonian ecosystem services?

