

Establishing frameworks for ecosystems service markets: creating political support

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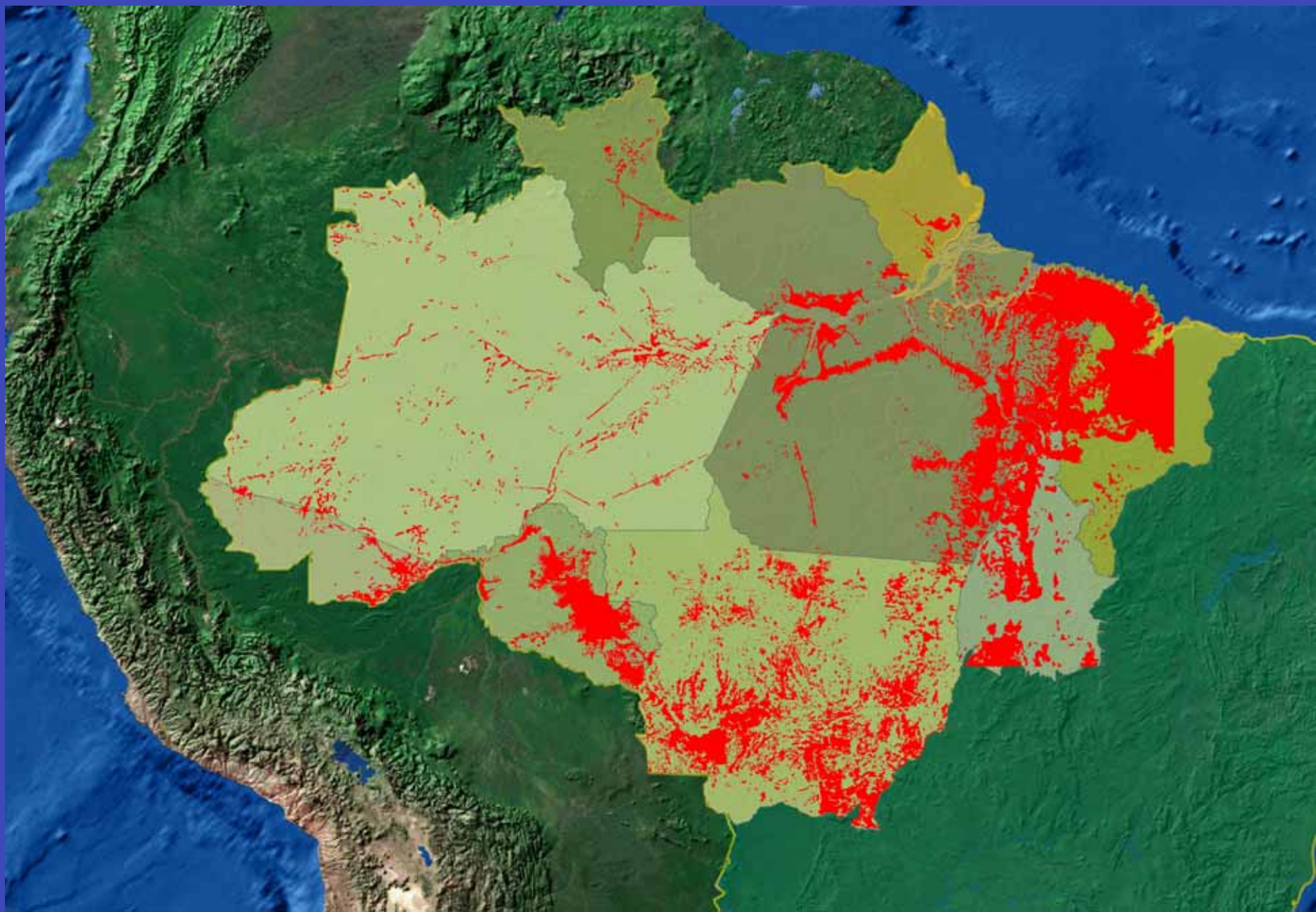
Governor of the State of Amazonas, Brazil

Virgilio M. Viana, Ph.D.

Secretary of Environment and Sustainable Development

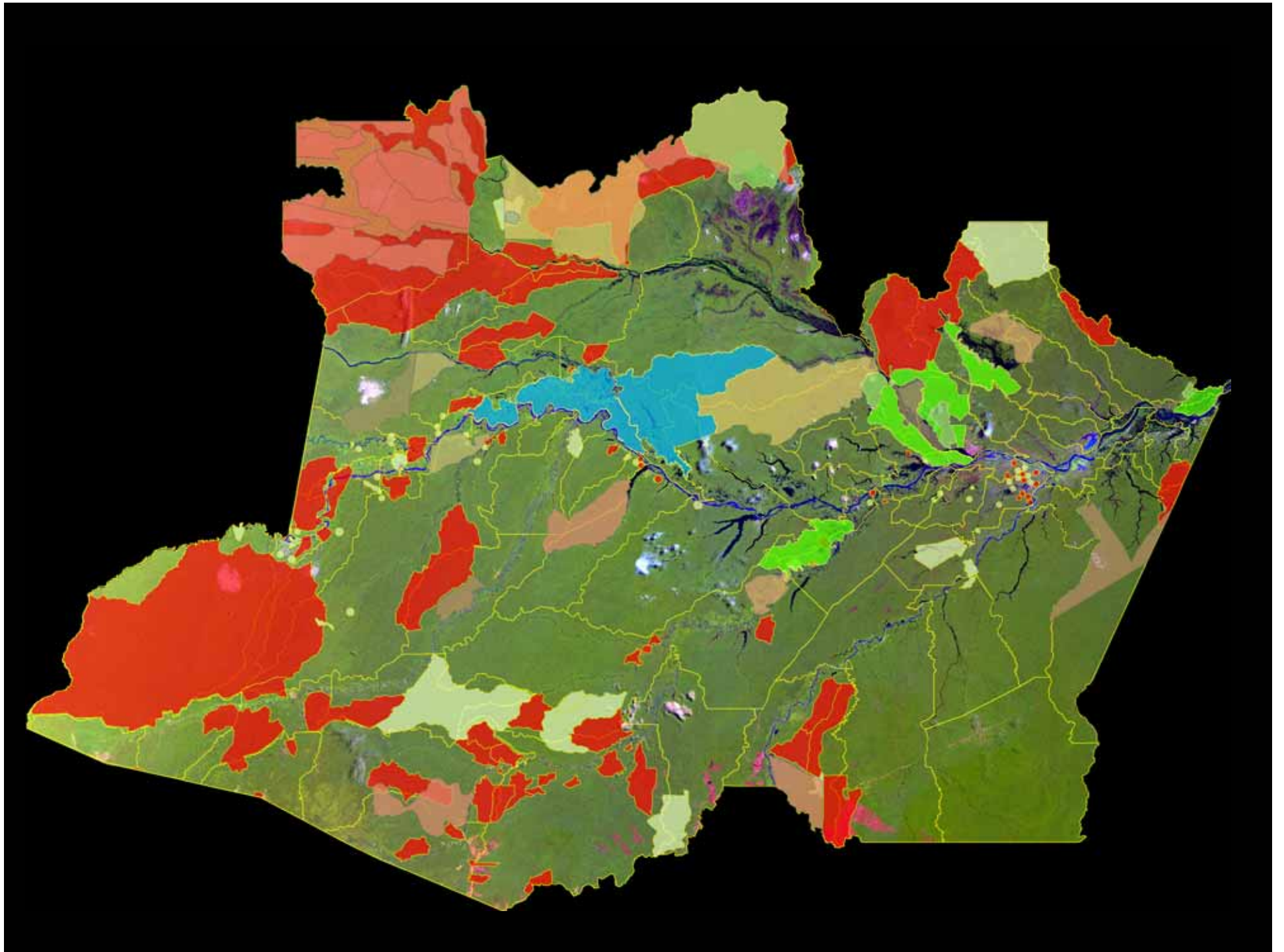
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ASSETS OF AMAZONAS STATE

- 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 areas8,2
- 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?

