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Forests, land-use, and climatechange policy in a post-Paris world

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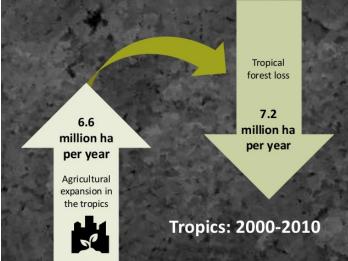


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The role of forests in climate mitigation

- Deforestation and forest degradation account for 10-15% of global GHG emissions
 - Much is in developing countries in the tropics
- To stabilize global temperatures within 2C => reducing emissions from forest loss
- Complementarities with biodiversity efforts, food security, climate adaptation





FAO 2015

Loss rates have declined in half over the last decade

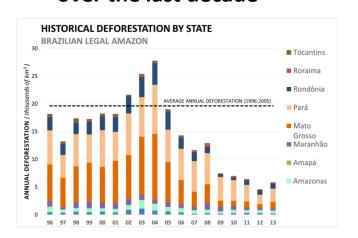


Fig. S3.

Annual deforestation by state in the Brazilian Amazon (96-2013), relative to the average annual deforestation rate between 1996 and 2005. Annual deforestation from INPE 2013 (26).

Forest and Land-use Incentive Problems

- Forest land is often more valuable to owner when cleared
 - Intrinsically or through institutional distortions
- If losses are to be abated, **economic returns to forest conservation** must be improved/policies reformed
- Carbon finance for conservation has faced hurdles:
 - Kyoto framework largely ignored forests, except in project-based CDM (temporary credits)
 - Project-based: Technical accounting issues (soil carbon, definition of "forest," complexities of additionality, permanence, and leakage)
 - Momentum around the idea of a global carbon market has slowed
 - Forest carbon credits are not sold and traded at large volumes
 - Revenues for countries to reduce deforestation are very low



REDD+ program

- REDD+ = UN initiative to reduce emissions deforestation and forest degradation in developing countries
 - "+" includes conservation, sustainable management of forests and enhancement of forest carbon stocks
- Objective is to create financial value for carbon stored in forests
- Incentives for developing countries to reduce emissions from forest land and invest in low-carbon paths to sustainable development
- Warsaw Framework for REDD+
 - Adopted in 2013 at COP 19
 - Builds upon earlier REDD+ decisions (e.g. Cancun) adopted by COP
 - Guidance on social and environmental safeguards, reference levels, and national forest monitoring systems
 - Reference framework for the Paris Agreement



Not everyone a fan...





Photo: Movement Rights blog

Friends of the Earth International, Alliance against REDD, Indigenous Environmental Network, Grassroots Global Justice, No REDD+ in Africa Network and Global protest in solidarity with the communities threatened by REDD+, December 8, 2015 at the COP21 climate conference, Le Bourget, Paris, France. (Photo by Friends of the Earth International) Creative Commons license via Flickr

Warsaw Framework for REDD+

- Results-based finance for REDD+
 - May come from multiple sources—public & private, bilateral & multilateral, alternative sources ...
 - Financing entities (e.g. Green Climate Fund) to channel adequate and predictable finance
- National forest monitoring systems should provide data and information that are transparent, consistent over time, and suitable for measuring, reporting and verifying (MRV) of anthropogenic forest-related emissions
- Forest reference emission levels and/or forest reference levels shall be subject to a technical assessment and adopt the guidelines and procedures for such assessment
- Developing country parties should provide information on how safeguards are addressed and respected throughout the implementation of the activities
- Encourage Parties, organizations and the private sector to take action to reduce the drivers of deforestation



Paris and REDD+

- Article 5 on REDD+ signals political support for the Warsaw Framework
 - Better protections for forests in developing countries
 - Encourages developed nations to provide the financial incentives for the protection of forests (e.g. via the Green Climate Fund)
 - Encourages results-based payments for verified emissions reductions (COP 19)
- Strengthens efforts on mitigation, finance, and international markets
 - Encourages international cooperation and markets (internationally transferable mitigation outcomes, ITMOs)
 - Emission reductions in forests could be used to comply with carbon emission regulations (i.e. caps)
- Accounting principles to make countries' emissions and removals comparable



Outlook post-Paris

- Strong signal that public and private finance need to be mobilized to mitigate and adapt to climate change.
- Scaling up of climate change finance is expected in the upcoming years
 - Item 115 of the so-called "Paris Decision" refers back to the 2009
 Copenhagen Accord (COP 15) text, which states: "[...] developed countries commit to a goal of mobilizing jointly USD 100 billion dollars a year by 2020 to address the needs of developing countries"
- Ambiguities include
 - 1) the lack of a clear definition as to what "climate finance" is
 - 2) How much comes to **REDD+**
 - 3) whether there will be new or additional resources mobilized
 - 5) Role of compliance markets in financing mitigation (REDD+)



FINANCING LAND USE MITIGATION: A PRACTICAL GUIDE FOR **DECISION-MAKERS** Coordinating Authors: Charlotte Streck, Climate Focus Brian Murray, Duke University Contributing Authors: Leslie Durschinger, Terra Global Capital Manuel Estrada, Consultant Alemayehu Zeleke, Climate Focus André Aquino, The World Bank Charlie Parker, Climate Focus



Uses of Funds

- Governance strengthening
- Regulation
- Economic incentive mechanisms
- Direct investments (e.g., public lands)

Sources of Funds

- Public sector and private sector
- International and domestic

Instruments

- Grants
- Loans
- Gov't budgets
- Results-based payments (e.g., carbon mkt)
- Supply chain requirements
- Joint investment/equity











Summary

- Forests are important part of the climate problem
- Economic incentives/policy reforms needed to reverse course
- Paris Agreement elevates stature of forests, land use, REDD+
- Finance is far from certain
- Carbon markets are not likely to be a major source of finance any time soon

