Overcoming Barriers in Land Use Governance to Achieve Brazil's NDC

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São Paulo, August 16th 2018

CLIMATE
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Outline

1. Land Use Context
2. Policy Barriers and Recommendations
3. Institutional Barriers and Recommendations
4. Property Rights Barriers and Recommendations

Land Use Governance in the Context of Climate Change

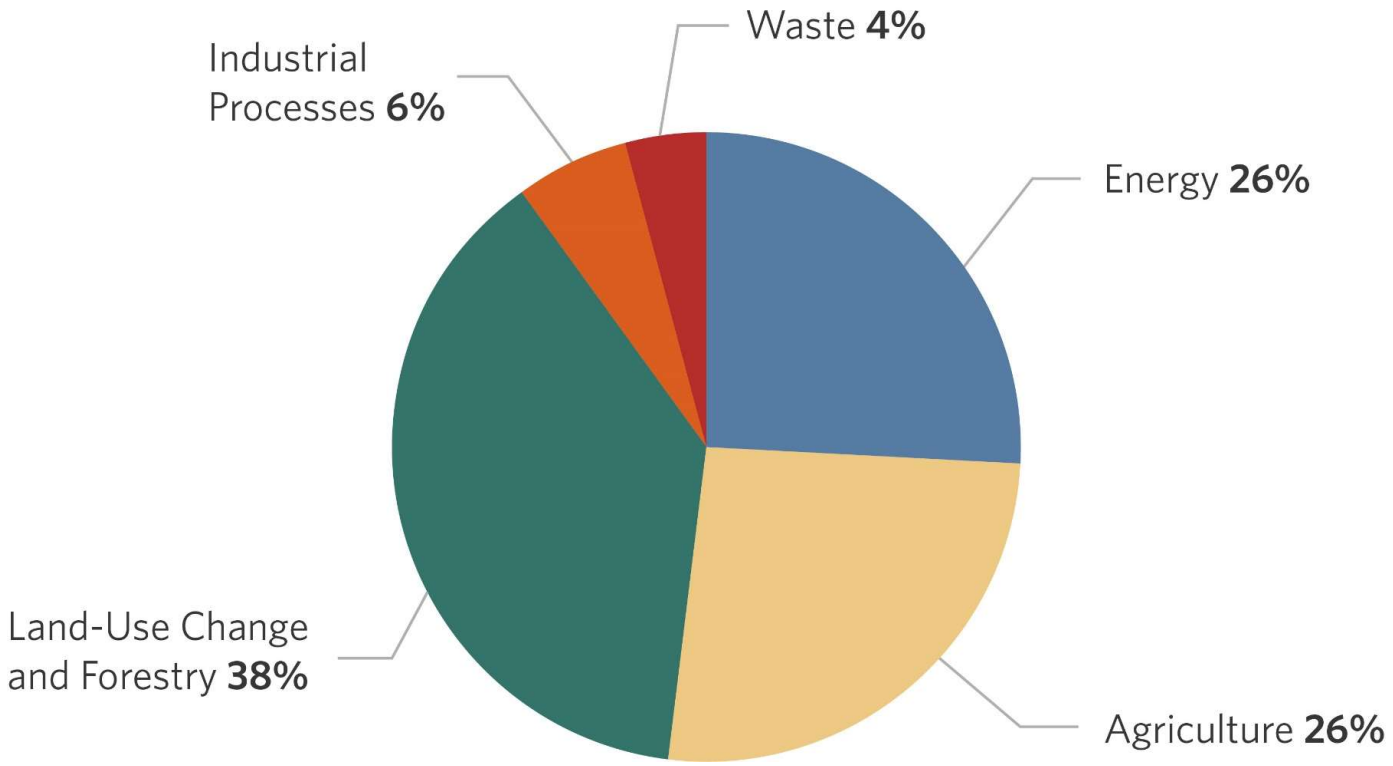
- multi-level: global, regional, **state/national**, and local
- multi-sectoral: **agriculture, forestry**, energy, industry, mobility
- multi-actor: **government**, civil society groups, individuals, NGOs, business
- multi-instrument: **formal** and informal

➢ **Agriculture, forestry, other land use (AFOLU) in Brazil, especially at national level**

Land Use Context

Why AFOLU matters?

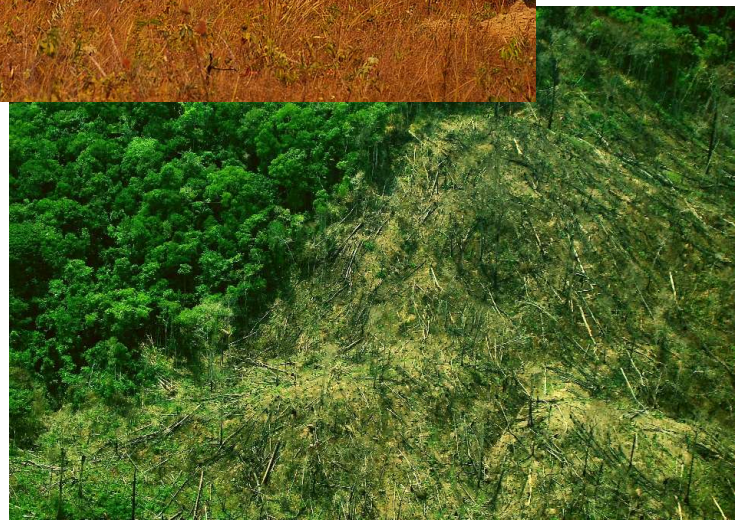
Brazil's GHG Net Emissions, 2016



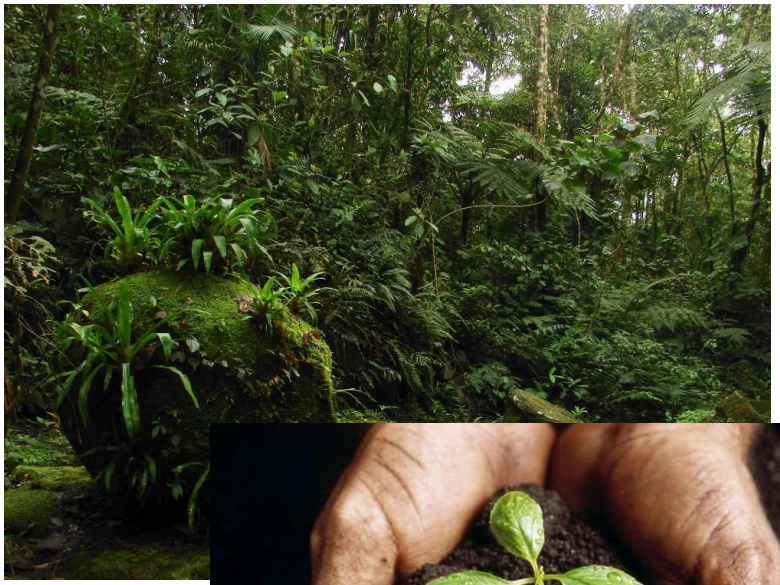
Source: Climate Policy Initiative with data from SEEG, 2017

Why AFOLU matters?

Carbon emmisions



Carbon sequestration



Land Use in Brazil

- Brazil can double its food production without any additional deforestation.

Forest (60%)
509 million ha
- Rainforests 431 million ha
- Savanna 72 million ha
- Mangrove 1 million ha
- Forest plantations 5 million ha

Pasture and natural grassland (27%)
234 million ha
- Pasture 151 million ha
- Natural grassland 43 million ha
- Imputed 40 million ha

Agricultural land (9%)
79 million ha
- Cropland 39 million ha
- Imputed 40 million ha

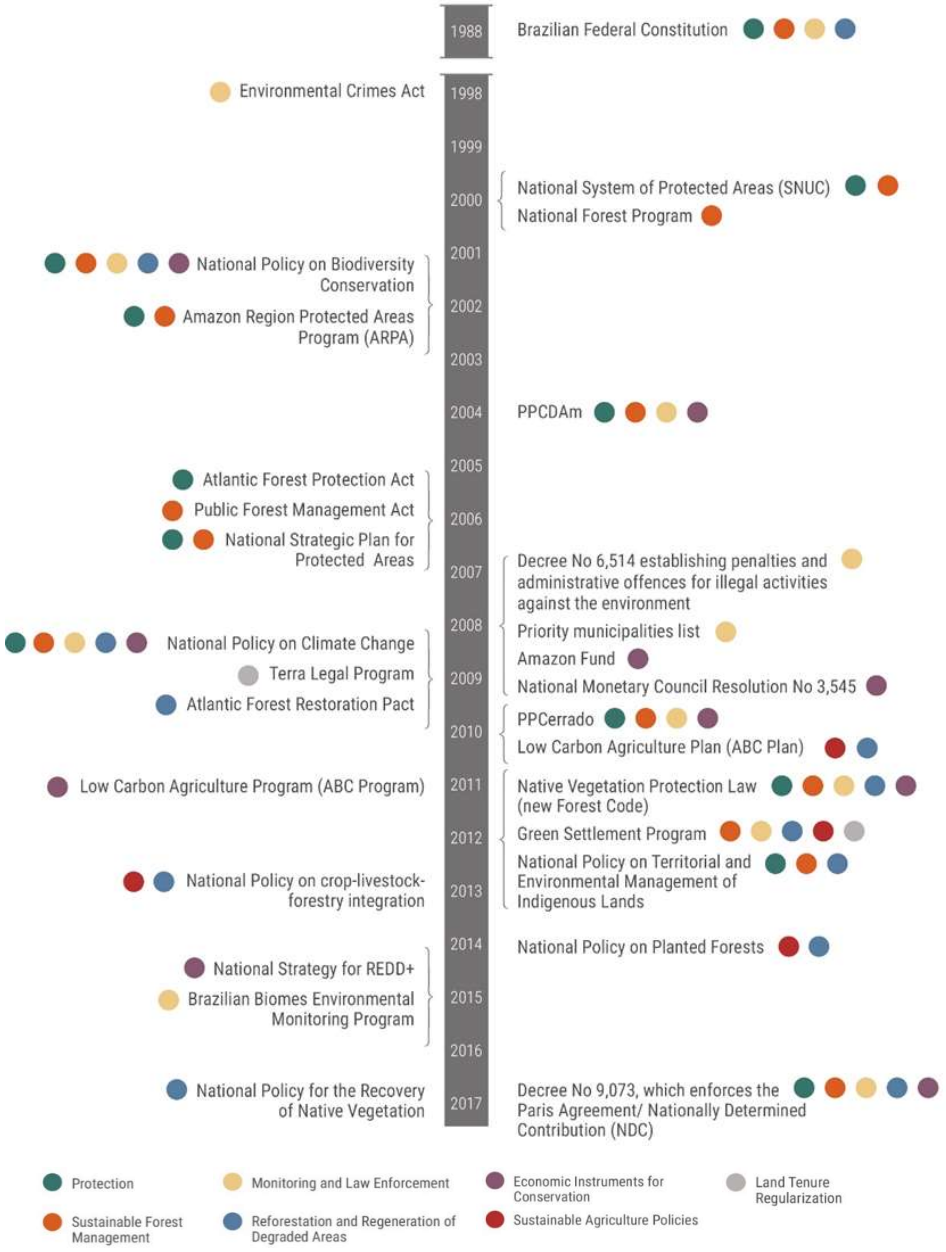
Other (4%)
30 million ha

Source: Climate Policy Initiative with data from MapBiomas, 2017

Policy Barriers and Recommendations to Achieve Brazil's NDC

Land Use Policy Framework

- Policies focus on the Amazon biome: PPCDAm, ARPA, Green Settlements.
- Lack of full implementation and enforcement: new Forest Code and National Policy for the Recovery of Native Vegetation.
- Insufficient policy monitoring and evaluation.



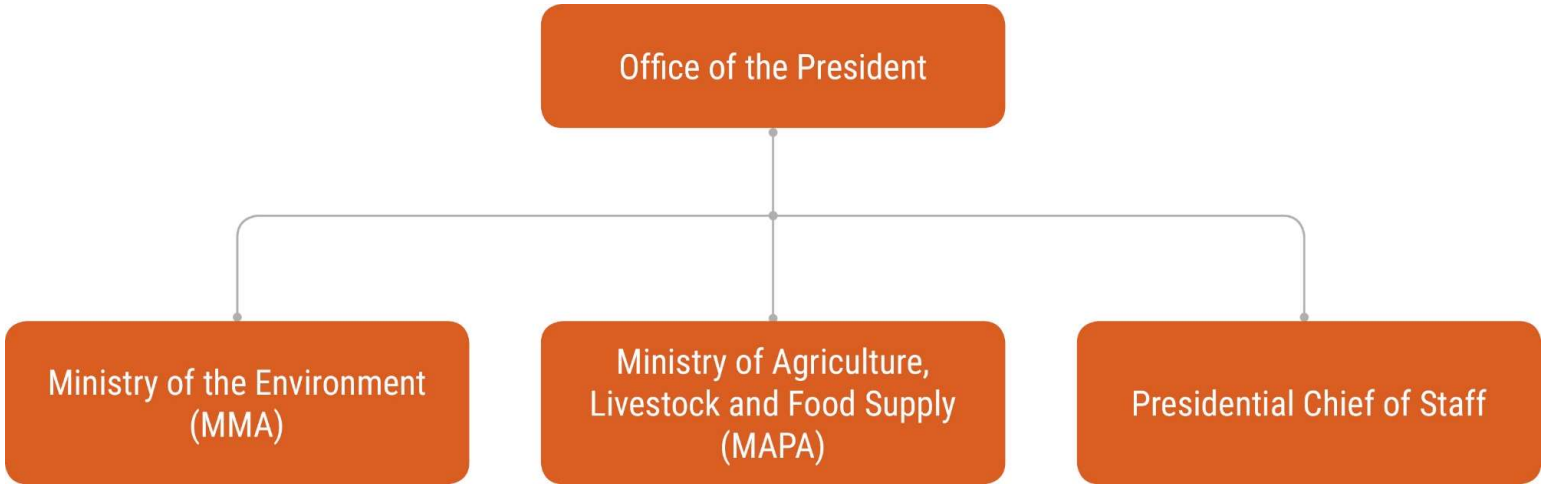
Source: Climate Policy Initiative

Recommendations to improve policy framework

- Tailor and strengthen conservation policies to regions outside the Amazon.
- Accelerate the implementation and enforcement particularly of the new Forest Code and the National Policy for the Recovery of Native Vegetation.
- Conduct rigorous evaluations of land use policies.

Institutional Barriers and Recommendations to Achieve Brazil's NDC

Land Use Institutions

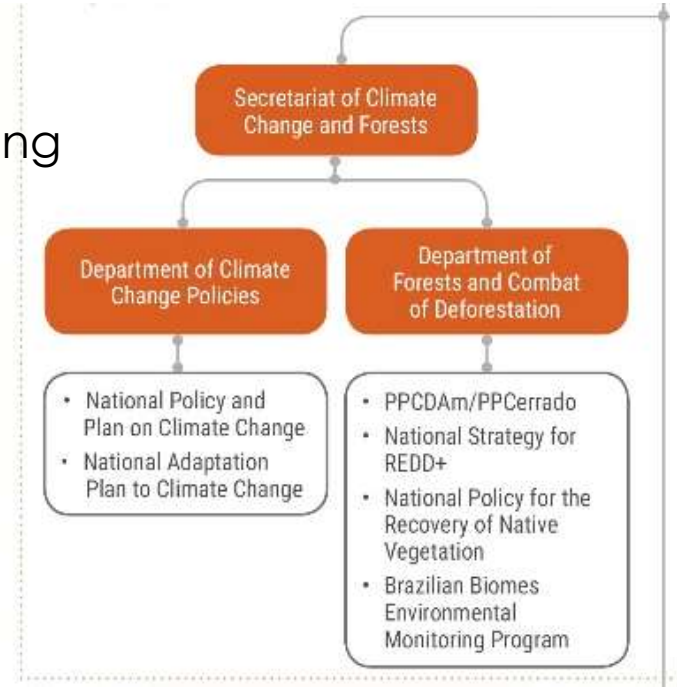


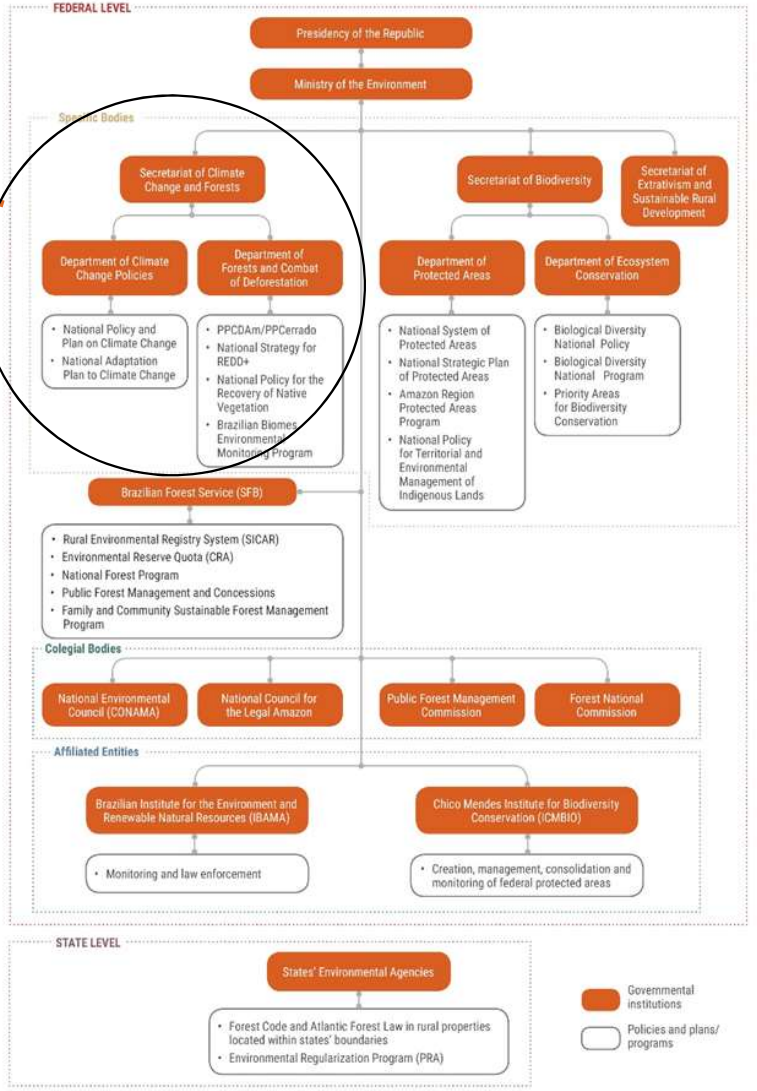
Source: Climate Policy Initiative

- Lack of coordination between climate and land use institutions.

Environmental Institutions (MMA)

- Insufficient transparency and information
- MMA's institutions lack a clear mandate.
- MMA's departments often have overlapping competencies.

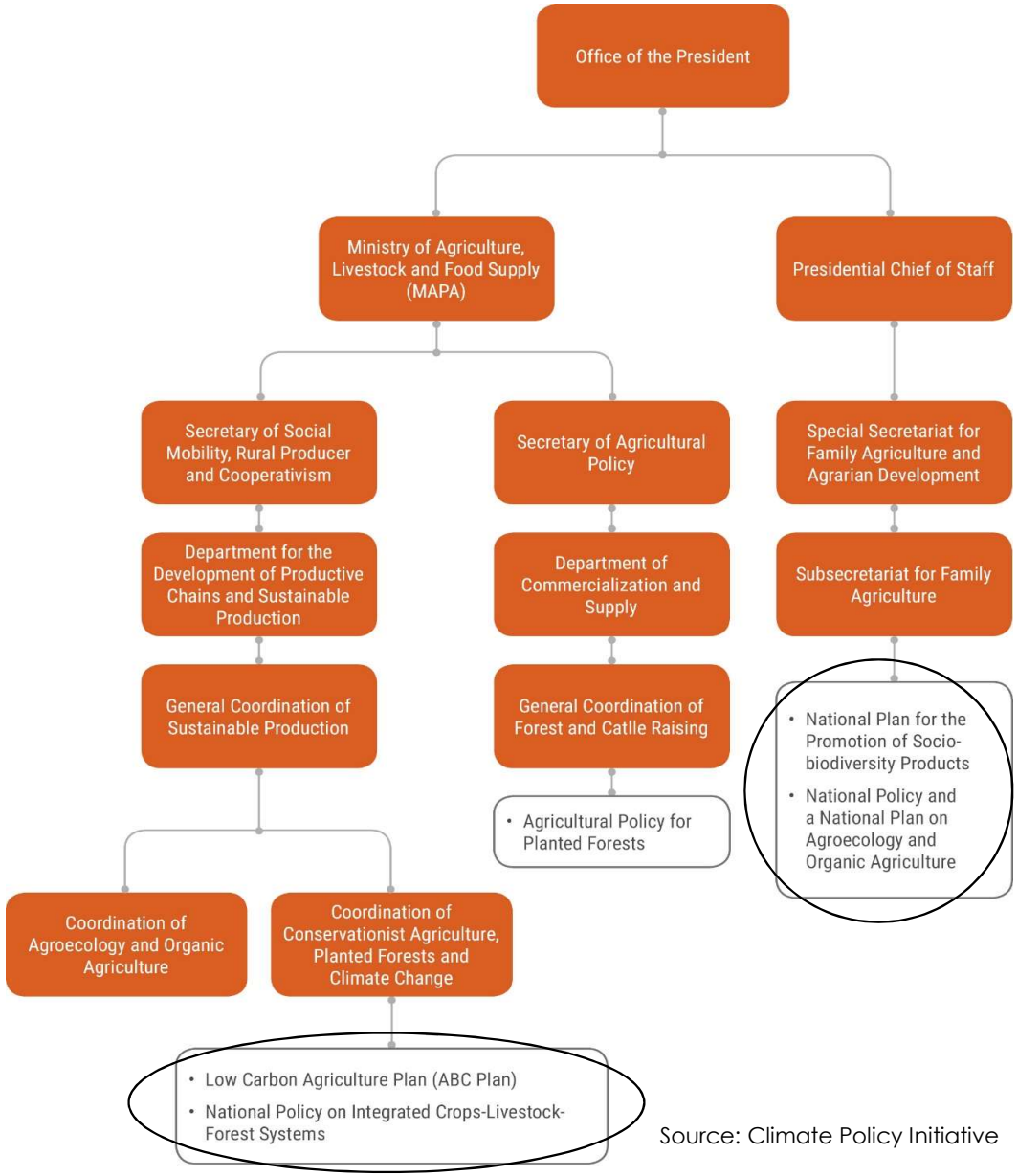




Source: Climate Policy Initiative

Agricultural Institutions

- Lack of transparency and information
- Lack of coordination between MAPA and the Presidential Chief of Staff for the implementation of sustainable and low-carbon agricultural practices.
- Low-carbon agriculture is not a priority in the MAPA agenda.



Source: Climate Policy Initiative

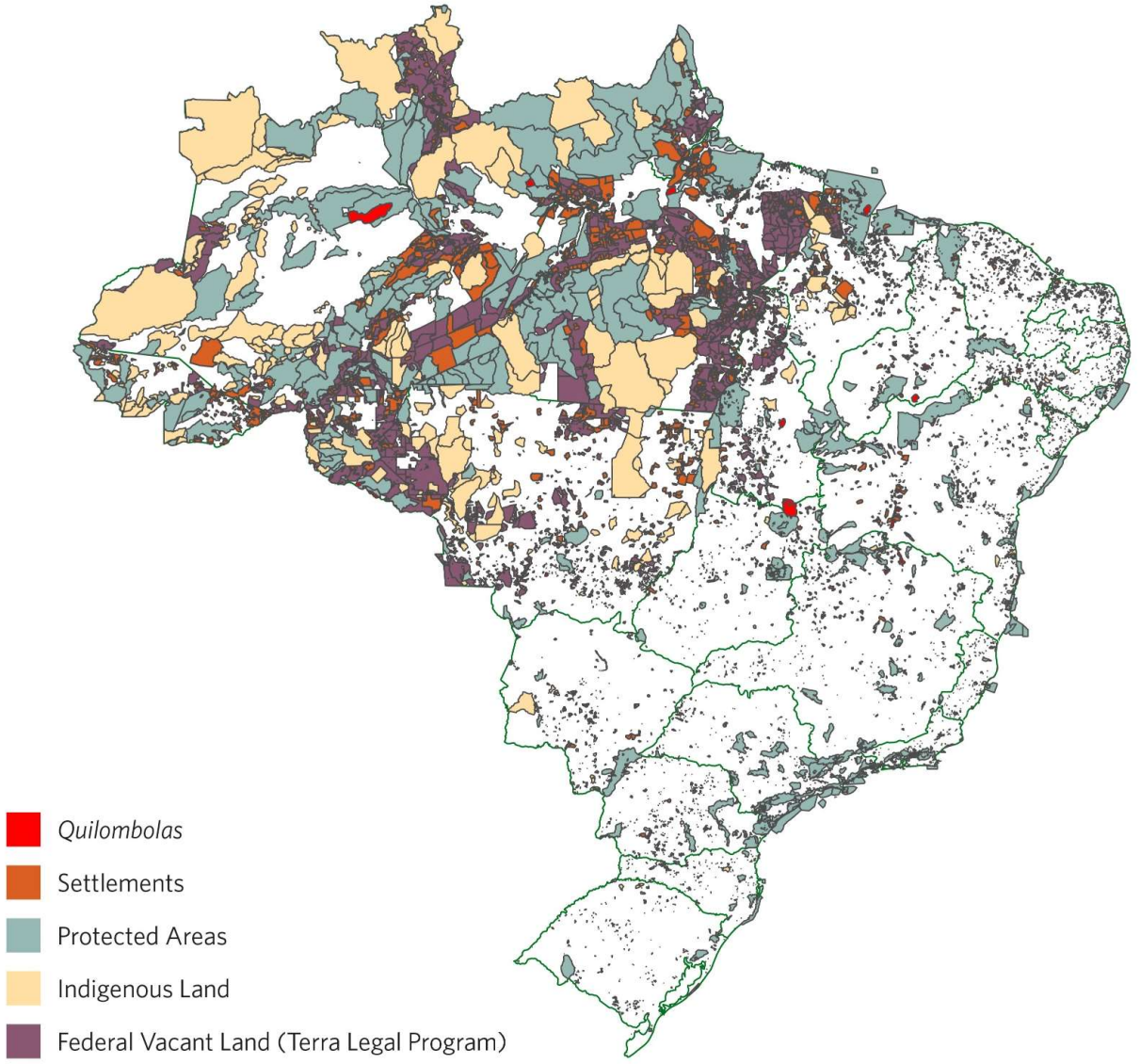
Recommendations to enhance institutional capacity

- Improve transparency and information
- Establish clear mandates for agricultural and forestry institutions.
- Create a governmental institution to ensure policy co-ordination between governmental departments and that climate change is taken-up as a transversal priority.
- Establish a dedicated agricultural institution to elaborate, coordinate, implement and monitor low-carbon policies for all types of farmers.

Property Rights Barriers and Recommendations to Achieve Brazil's NDC

Land Tenure Governance

- Institutional complexity
- Intricate legal and regulatory framework
- Enforcement deficiencies
- Poor monitoring and evaluation
- Insufficient and no integration of data and records



Recommendations for land tenure governance

- Streamline property rights regularization.
- Improve monitoring and enforcement of land rights for Indigenous Peoples, Traditional Communities, and Family Farmers.
- Integrate all rural land databases in a unified national registry.
- Conduct rigorous evaluations of current land titling programs.

Thank you!

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