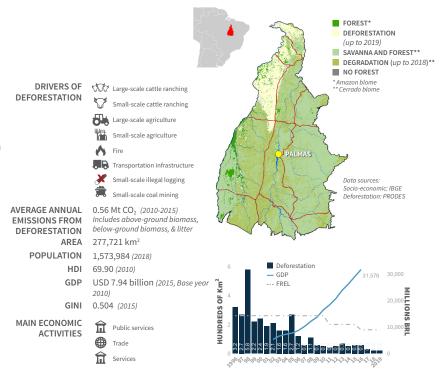
TOCANTINS BRAZIL

LOW-EMISSION RURAL DEVELOPMENT (LED-R) AT A GLANCE

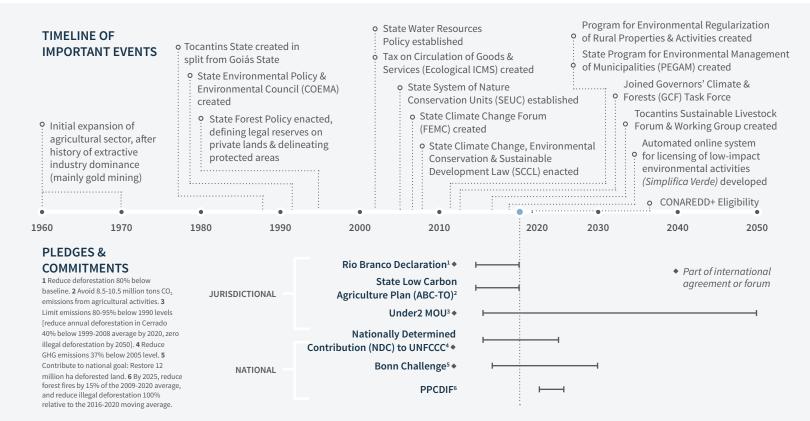
- Newest Brazilian state, located in the Tocantins-Araguaia
 Hydrographic Region (largest watershed entirely within Brazilian
 territory)
- Comprised of Amazon (13%) & Cerrado (87%) biomes, each with distinct environmental policies & governance
- Part of NE Brazil's MATOPIBA region: agricultural frontier of Cerrado spanning Maranhão, Tocantins, Piauí, & Bahia states
- Agriculture & ranching represent majority of land use; private landowners active in soy & livestock sectors influence local & national politics
- 2008-2017: 947,287 ha of natural forest converted to soy & livestock areas
- 3rd ranking state in terms of number of contracts under the national Low-Carbon Agriculture Plan (ABC), with 784 contracts (signed 2018-2019) totaling ~USD 44 million in finance



SPOTLIGHT ON INNOVATION

The Integrated Sustainable Regional Development Project (PDRIS) was Tocantins' umbrella program for offering loans to support various state secretaries and policies. Since the project's inception in 2012, the World Bank anticipated that the US\$ 300 million loan would directly benefit 300,000 people in 72 counties — aiming to address some of the challenges that Tocantins faces as a relatively new state. Financed by the International Bank for Reconstruction and Development (IBRD) and implemented by the State Secretariats of Finance (SEFAZ) and Planning (SEPLAN), PDRIS aimed to improve transportation infrastructure and support balanced development that throughout the state, rather than concentrated in certain areas. To meet these objectives, PDRIS created employment opportunities and promoted activities to strengthen

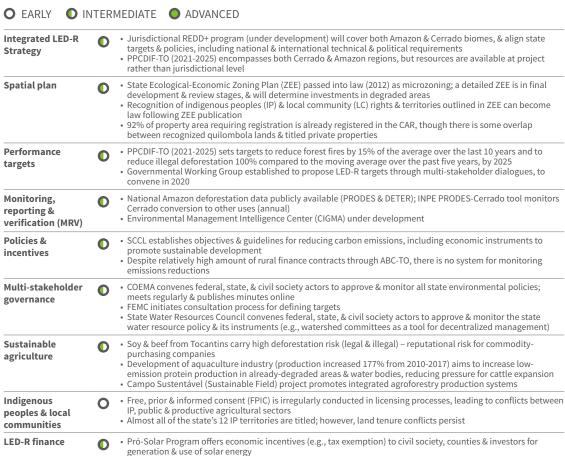
environmental education statewide. PDRIS offered loans to different state secretariats (SEMARH, SEAGRO) to develop programs relevant to their respective scopes of work. For example, PDRIS financed SEPLAN's Socioeconomic Impact Evaluations (AISA), and contributed to the development and updating of state environmental policies, including the SCCL and forthcoming PES policy. PDRIS also included a Plan for IP (PPI), which regulates social and environmental impact assessments, and monitoring and evaluation plans, for projects affecting IP in select communities. PDRIS funds also supported development of the jurisdictional REDD+ program and a state MRV system, including forest inventories aligned with the Brazilian Cerrado FREL, proposed baseline, and benefit-sharing scenarios.





1 Amazon Fund, 2 Tocantins Nature Institute (Naturatins), 3 State Secretary of Environment & Water Resources (SEMARH), 4 NICFI-UNDP/GCF-TF, 5 Secretary of Agriculture, Cattle Ranching & Aquaculture (SEAGRO), 6 Institute of Conservation and Sustainable Development (IDESAM), 7 State treasury, 8 Ministry of Agriculture (MAPA)

PROGRESS TO JURISDICTIONAL SUSTAINABILITY



CITATION | M. de los Rios, A.C. Crisostomo, O. David, C. Stickler. 2021. "Tocantins, Brazil" in C. Stickler et al. (Eds.), in The State of Jurisdictional Sustainability. San Francisco, CA: Ell; Bogor, Indonesia: CIFOR; Boulder, CO: GCF-TF.

COMPLETE REFERENCES & DATA SOURCES PROVIDED AT www.earthinnovation.org/state-of-jurisdictional-sustainability 2021/10/29

TECHNICAL TEAM

Earth Innovation Institute



performance





• In 2022, the state's 139 counties will receive benefits through the Ecological ICMS for positive environmental

Federal Ministry for the Environment, Nature Conserva

based on a decision of the German Bundestag

SUPPORTED BY



CHALLENGES & OPPORTUNITIES

CHALLENGES

- Frequent administrative turnover impacts continuity of policies & programs
- Political pressure from commodity producers & purchasers to expand agricultural & livestock areas, without territorial planning to control & regulate expansion
- Even with incentives (e.g., ICMS), counties face difficulties establishing strong environmental policies due to inadequate technical capacity &/or conflicting priorities
- Despite high number of rural finance contracts, high interest rates, poor technical assistance, & rigid bank requirements hinder producer access

OPPORTUNITIES

- SCCL is being revised to accommodate PES & REDD+ mechanisms
- State Climate Change & Environmental Services Policy, in legislative approval process, will implement a statewide PES system, including a jurisdictional REDD+ program
- Renewable energy sector with full potential to achieve identified reduction targets (Tocantins State Solar Energy Atlas)
- Implementation of zero-illegal deforestation commitments could mitigate reputational risks for sourcing companies
- Tocantins State is collaborating with other MATOPIBA states to develop a regional sustainable development strategy