

Orinoquia Sustainable Integrated Landscape Program

Tuuli Bernardini
The World Bank

January 26, 2022

Arroz

Marañón

Sustainable Low-Carbon Development in Orinoquia Region, Colombia

- **Location:** The Orinoquia region; departments of Arauca, Casanare, Meta, and Vichada, covering 59 municipalities, 25 million ha and 1.37 million people
- **Timeline:** 2018–2023
- **Key partners/stakeholders:** the Ministry of Agriculture and Rural Development, Ministry of Environment and Sustainable Development, Institute of Hydrology, Meteorology, and Environmental Studies (IDEAM), National Planning Department, and Regional Climate Change Committee for Orinoquia (NORECCO)
- **Objectives:** Improve enabling conditions for sustainable and low-carbon landscape planning and management in project targeted areas
- **Relevant theme(s):** MSE, Environmental & Economic Focus, **Land Tenure – with ENV focus**, Financing Strategies, MEL, and Cross-Sectoral Coordination

Protecting land property rights as a mitigation measure against land grabbing/deforestation/landscape degradation

Context

- Weak land tenure rights facilitate land grabbing for illegal mining, coca crops, extensive livestock production often associated with future land adjudication requests and land speculation
- Deforestation and soil degradation occur where property rights are not clearly established
- Lack of clarity on tenure makes land use plans non-binding and temporary

Therefore, strengthened land tenure security of local communities in Orinoquia is critical for:

- Fostering participatory land use planning
- Enabling sustainable land use practices, including conservation and prevention of deforestation
- Implementing climate change mitigation measures



The role of land tenure in the Orinoquia Sustainable Integrated Landscape Program

Land tenure considerations form a key subcomponent of the program

Program supports the Government of Colombia in:

- Strengthening its territorial planning agenda
- Mainstreaming environmental and climate-resilience considerations into land-use planning instruments and land tenure regularization processes at the regional and local levels
- Managing land tenure processes via consultancy services, technical assistance, and training

→ Integrate cadaster, land tenure regularization, and community participation to enable conservation and sustainable practices in the long term



Key activities to strengthen land tenure with an environmental focus

1. Establish a parcel-based land information system and inventory (cadaster) of land tenure rights, along with the recording of land use restrictions and ENV responsibilities in the municipality of Arauquita
2. Spatial Data Infrastructure (SDI) for the Orinoquia region focused on the 4 departments, 2 Regional Autonomous Corporations and 7 prioritized municipalities
3. Enable sharing and effective use of geographic information by standardizing formats and protocols for access and interoperability & **ensuring ENV and AGR data is interoperable and available for cadaster and land tenure purposes**
4. Support operationalization of the Zones of Interest for Economic and Social Development in Rural Areas (ZIDRES) program through verification and legal assessment of land titles and preparation of guidelines for mainstreaming ENV variables into future private sector investments
5. Develop a methodology to apply ENV attributes with economic value for land title, taxing, marketing & Payment for Ecosystem Services (PES) purposes
6. Pilot and validate a methodology for integrated land-use planning (landscape charts) in two municipalities by the National Unit for Agriculture Planning (UPRA) for scale-up

Challenges, lessons learned, next steps

Challenges

- Travel restrictions in the Orinoquia region, due to an ongoing conflict, hamper data collection and fieldwork
- The multi-purpose cadaster delayed in the municipality of Arauquita

Lessons learned/emerging good practice

- Support ongoing tenure reform and build institutional capacity for sustainable development & use technology to create a robust database with quality information to accurately represent the territory
- Actively include all relevant stakeholders and gender equality under cadaster/land titling

Next steps

- Develop an index on ENV variables for the methodologies of the Agustín Codazzi Geographical Institute (IGAC) for the economic valuation of properties within the framework of the multipurpose cadaster, applicable to properties with representative ENV elements and/or ecosystems



Thank you



tbernardini@worldbank.org
<https://biocarbono.org/>



El futuro
es de todos

Gobierno
de Colombia

