



Presented at the FIG Working Week 2023,  
28 May - 1 June 2023 in Orlando, Florida, USA

# FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

Protecting  
Our World,  
Conquering  
New Frontiers

## Environmental information

As a fundamental axis of the Rights, Restrictions and  
Responsibilities of the LAS in Colombia

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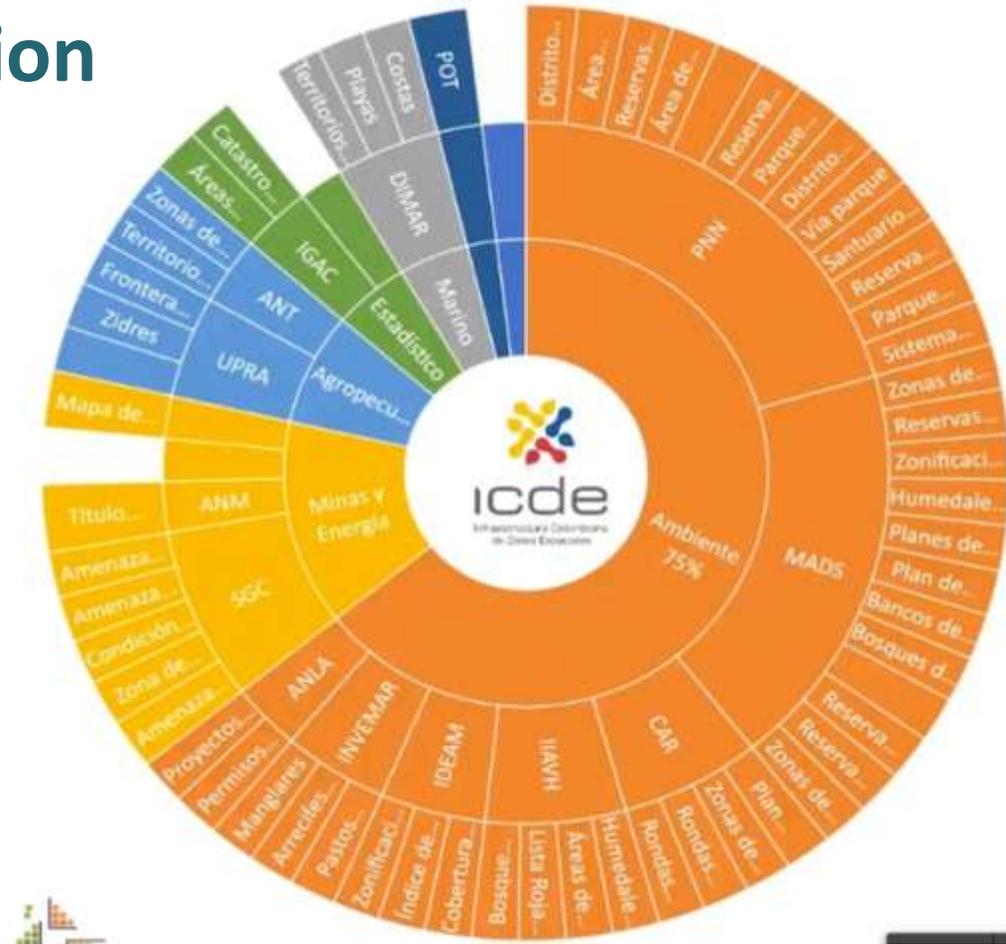


## The problem Statement

The lack of secure land ownership rights, integrated information on environmental land, and the absence or weak presence of the State, has legitimized the processes of degradation and loss of forest ecosystems, in some cases closely related to the territorial control exercised by various armed actors.



## LADM-COL for environmental information



## Land Administration Model LADM\_COL\_Protected\_Areas

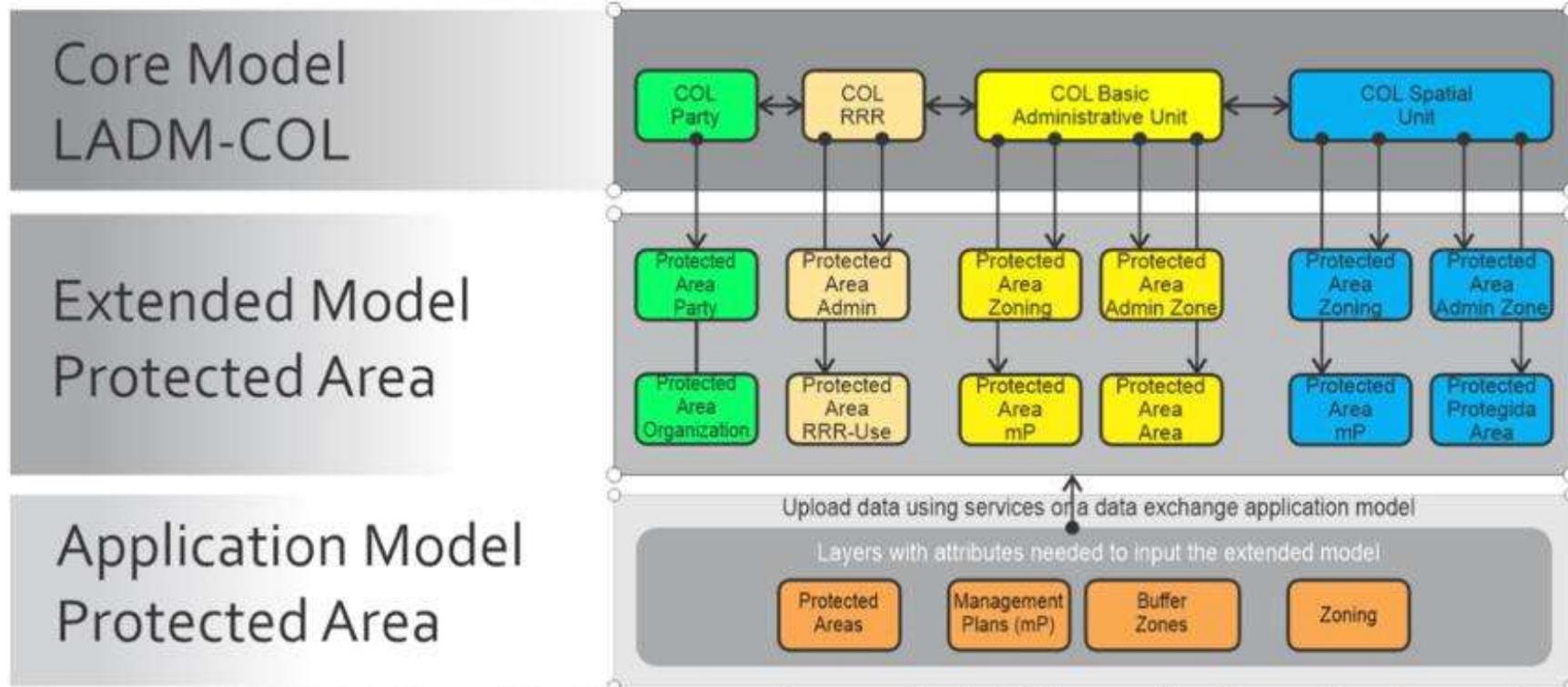


Figure 2. Ecosystem of LADM\_COL models of the protected area territorial object and its hierarchies. Source. SwissTierras Colombia

## Conclusions

- Understanding the environmental land management paradigm is the key to building integrated and mature systems that link policy-making, good governance, land administration systems, and land information infrastructures.
- Modeling the sector's territorial objects is only a first step in the search for interoperability, but, by itself is not enough to have a significant impact on public policies since Cadaster and Land Administration are only preconditions to guarantee environmental sustainability
- It is still generally not clear to what extent knowledge and information on existing RRR determine the performance of environmental policies, especially because stakeholders often focus merely on environmental implications and neglect the underlying role of land rights
- Finally, modeling allows us to determine data quality, which will lead to the implementation of a path to better and more reliable data

## Lessons learned

- Environmental protection is a multifunctional goal that requires no unique formula
- The context, including landscape, land tenures, and governance arrangements, constitute some factors that will lead to selecting a particular strategy
- However, whatever conservation approach is taken, rights holders and those disturbed by the establishment of the protected areas should be informed and considered.
- Sensitivity to specific conservation goals, local context, and continuous monitoring are crucial issues.
- The multiplicity of actors and instruments without hierarchy has hindered the coordination of investments and the updating and implementation of planning and management instruments by territorial entities.