



Doctoral Thesis Title: Cadastre–Land Registry Coordination in Ibero-America: Institutional Diagnosis and Proposed Collaboration Model

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Abstract: This doctoral dissertation examines the degree of coordination between Cadastre and Land Registry systems across Ibero-American countries, with the objective of designing a preliminary model capable of strengthening land administration and contributing to the achievement of the Sustainable Development Goals (SDGs). The research acknowledges that institutional fragmentation, regulatory discrepancies, technical heterogeneity, and limited interoperability between the two systems undermine legal security, territorial management efficiency, and institutional transparency.

To ensure methodological feasibility, the initial phase of the study focuses on three countries selected based on their regional relevance and the availability of technical and regulatory information. The resulting comparative analysis makes it possible to identify operational patterns, major structural differences, and varying degrees of institutional and technological maturity.

The research adopts an approach that integrates legal-institutional analysis, technical evaluation of processes and data models, quality and interoperability indicators, and consultation methods grounded in social research tools. This approach allows for a comprehensive characterization of national systems, the identification of risks and opportunities for improving their articulation, the development of a scalable and replicable model supported by international standards, and the formulation of recommendations aligned with the Framework for Effective Land Administration (FELA).

Available Means: The research is supported by the technical and academic resources of the Department of Cartographic Engineering, Geodesy and Photogrammetry at the Universitat Politècnica de València. It is carried out within the framework of the Cartographic Coordination in the Land Administration System (CCASAT) research group. The work also benefits from the support and collaboration of affiliated institutions, including the Permanent Committee on Cadastre in Ibero-America (CPCI), the Academic Network of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM), and the International Federation of Surveyors (FIG).

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