

From Concept to Reality: Core Requirements for Implementing Land Information Systems

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SUMMARY

While the conceptual frameworks of land administration are widely discussed in academic and professional circles, the practical realities of implementing land administration projects often receive far less attention. Existing literature tends to highlight case studies and success stories yet rarely delves into the essential operational requirements that underpin these initiatives. This paper addresses that gap by presenting a comprehensive, real-world overview of the foundational elements necessary for implementing a land information system. Drawing on insights from professionals across industry, government, and academia—representing a combined experience of more than 20 years—the research synthesizes critical requirements identified through structured interviews. Rather than focusing on best practices or lessons learned, this work emphasizes the core components that drive successful implementation. The findings serve as an initial step toward a broader, longitudinal research effort aimed at capturing evolving requirements and leveraging the expertise of seasoned practitioners to inform future projects.