From Parcels to Planet: Land Administration as the Foundation for Climate Finance and Enterprise Transformation

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SUMMARY

Land is more than a physical asset. It is the invisible infrastructure upon which sustainability, resilience, and equitable growth depend. As the world moves beyond 2030, the challenge is no longer simply to monitor progress toward the SDGs but to build systems that actively drive them. Green bonds, carbon markets, and nature-based investments are redefining how climate action is financed, yet all depend on trusted, spatially referenced data about land ownership, tenure, and use.

This paper argues that land administration must evolve from static registries into dynamic, geospatial enterprises that link climate finance to real outcomes on the ground. Drawing on the Geospatial Enterprise Transformation Framework and the Backyard Cultivation Model, it outlines a structured path, establish, enable, expand, through which institutions integrate governance, technology, and data into cohesive, climate-ready enterprises. Artificial intelligence now accelerates this evolution, transforming not only how land data is analysed but how governance itself is structured reshaping decision hierarchies, enabling adaptive policies, and creating learning organizations capable of real-time accountability.

Examples from national spatial data infrastructures and development-bank programs illustrate how this enterprise approach enhances transparency and ensures that climate finance flows equitably from global commitments to local communities. Ultimately, land administration becomes not merely a mechanism for property rights but a catalyst for sustainability, resilience, and equitable growth beyond 2030 embodying the FIG 2026 vision of integrating policy, technology, and people to shape the future we want.