

Fit-for-Purpose and Fit-for-Future Technology for Cadastral Systems

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SUMMARY

Configurable off-the-shelf spatial technologies are now available for cadastral systems. There is no longer a need for custom programming, complex implementations, and special skills. Leveraging standard data models such as the Land Administration Domain Model (LADM) and commercial off-the-shelf (COTS) GIS data and technology deliver systems that are quickly implemented, scalable, evolve with changing requirements and supported by numerous public, private, and NGO communities.

This new approach addresses many past challenges of system cost, intermittent internet connectivity, accurate GPS use, scalability and security. This presentation will discuss spatial platform and app technologies for collecting data with Androids, processing, producing, managing and sharing cadastral data. We will present how to configure and maintain a sustainable land system. This presentation will present all the technology necessary and highlight a pilot project in Colombia.

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