

Decision Support for the Practical Implementation of Land Administration Systems

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SUMMARY

We live in an insecure era with climate change, conflicts, dense populations, and increasing poverty and inequity. Good land administration is a basic requirement for governments and societies to address these challenges.

Many guidelines, tools and frameworks have been developed, and are freely available to guide decision makers and professionals towards good land administration. Still, the practical implementations by Land Administration Authorities demand good decision support for making the best choices in IT (Information Technology), capacity development and financial investment.

In this paper a discussion is started on the choices that must be made when a land administration IT system is designed or further developed, and a required framework for making good decisions. In addition to dealing with the existing registers and cadastral maps, an interoperable future proof system requires strategic planning and design. Sustainable system development is challenging, and the purchase, design and maintenance of IT solutions should always fit the long-term budget of the Land Administration Authority.

In practice, this means that holistic lines of thought in the design phase, must be translated into an architecture, infrastructure, and daily approach. This is where choices and priorities are set, with Land Administration Authorities in the lead. In this paper we will explore how IT decision-making has evolved and provide practical examples from Land Administration Authorities around the world. We will detail a framework that can be adapted to your organisation to help make good IT decisions to deliver a secure, sustainable, and well-functioning land administration system.

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