

FELA-based Geospatial Knowledge Infrastructure

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SUMMARY

We live in an era where it can feel like an overwhelming task to address climate change, conflicts, population density, and increasing poverty and inequality. Good land administration is a basic requirement for governments and societies to address these challenges.

The nine strategic pathways of the UN-GGIM Framework for Effective Land Administration (FELA) provide guidance for the design and evaluation of Land Administration Systems (LAS). To develop a Fit for Purpose Land Administration system, the legal, institutional, and geospatial framework should be developed in balance. To make a next step in country implementations, there is a need for a strong Geospatial Knowledge Infrastructure (GKI) on land administration.

The key findings of the GKI Geospatial Readiness report include the need for (1) trusted and authoritative foundation data (such as Cadastre), and (2) technology architecture to make this data available for use. We therefore want to envision a Land Administration Geospatial Knowledge Infrastructure implemented through the FELA.

In this paper, the community building for this infrastructure is discussed and the aspects that should be considered as part of it. International, national, and local networks are considered as well as the interlinkage between those networks. A Land Administration Geospatial Knowledge Network is much more than creating a community of practice with networks and events. The capturing of expertise in tools and software is part of it, as well as the introduction of scalable solutions. Geospatial technology can help us address both of the GKI findings mentioned above. Innovation and capacity building for Land Administration practices should become a collaborative responsibility with public-private partnerships and a flow from developed countries to developing countries through networks, tools, and expertise. The FELA gives us an excellent framework to

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understand the elements of a geospatial knowledge infrastructure.

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