

Cadastre Governance in the times of Digital Transformation

Dr. Kirsikka Riekkinen
FIG Commission 7
Vice Chair





Digital Transformation of Land Administration sector



Shift to Digital Systems

Transitioning from manual, paper-based land administration to digital platforms enhances efficiency and transparency.

Support for Governance and Equality

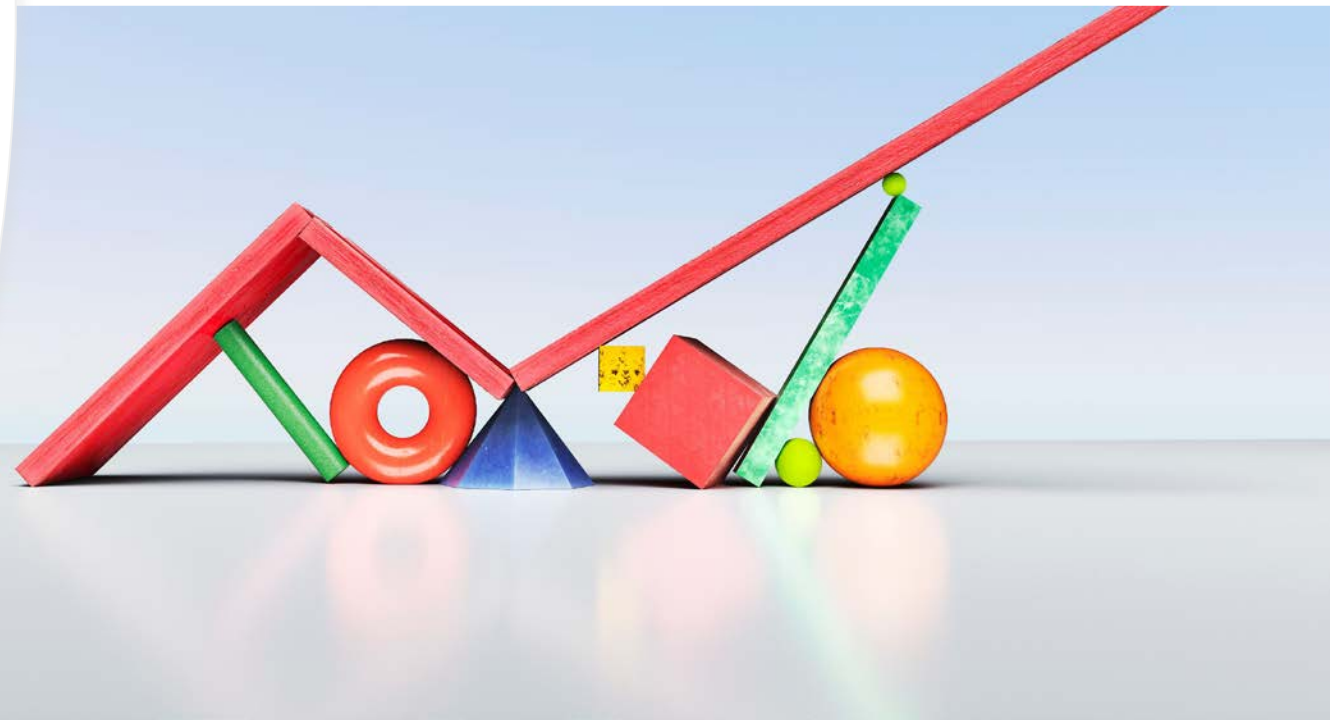
Digital transformation supports equality in land governance and aligns with national and global policy goals.

Economic Growth and Service Delivery

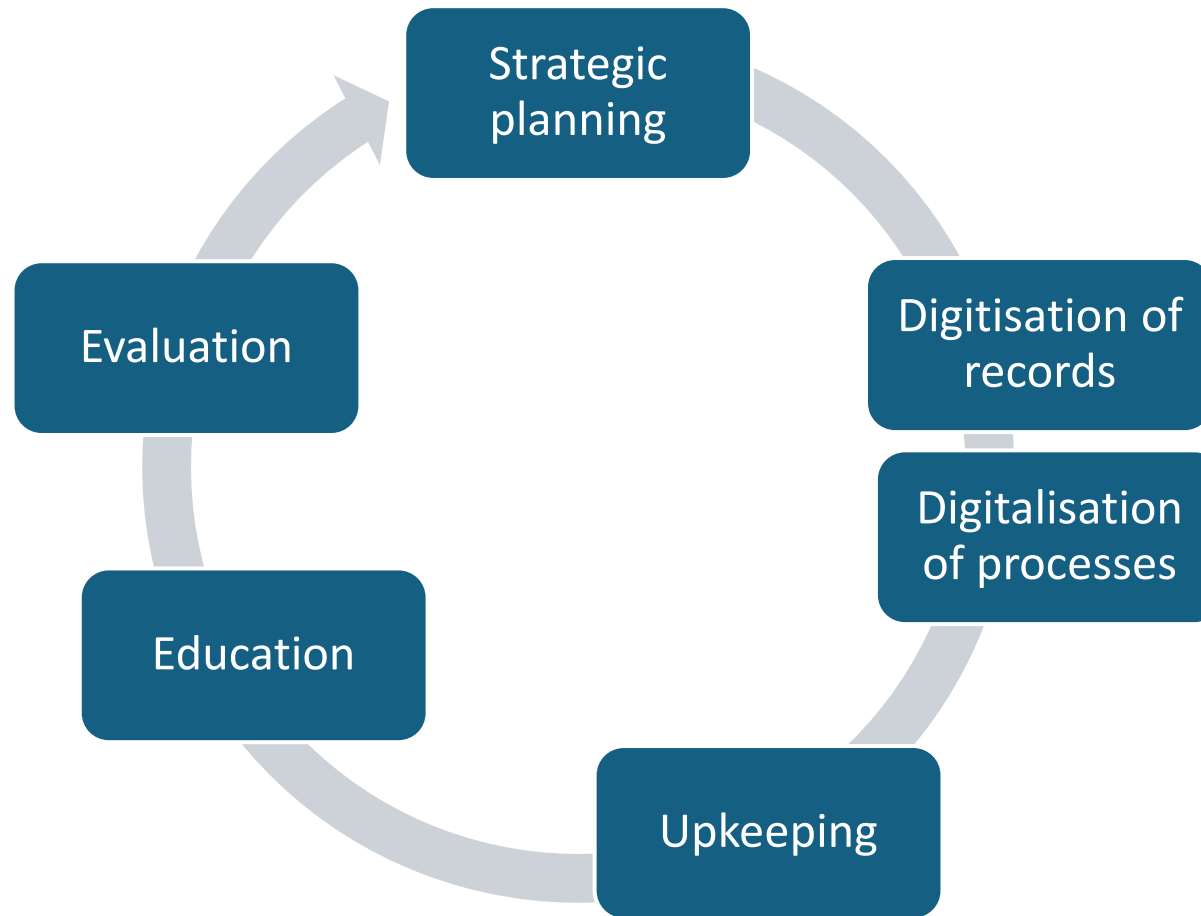
Improved data management through digital land systems fosters new economic opportunities and better service delivery.

Why digital transformation matters?

- Economic development
- Environmental sustainability
- Social inclusion and equality, fairness, good governance



Digital transformation of cadastre



The role of governance – ensuring success



- Ambitious, collaborative leadership
- Long-term vision, short-term goals
- Bottom-up empowerment
- Alignment with broader policies
- Holistic coverage of strategic pathways
- Baseline and impact assessment
- Responsible investment planning
- Hybrid transition
- Continuous monitoring

Policy Frameworks Supporting LAS Transformation



Global and Regional Frameworks

Key policy frameworks like SDGs, VGGTs, IGIF, and FELA guide LAS digital transformation globally and regionally.

Governance and Data Management

Frameworks provide guidance on governance, data standards, and management for effective land administration systems.

Digital Inclusion and Open Data

Emphasizes open data initiatives, digital inclusion, and alignment with national policy priorities for LAS transformation.

Strategic Adoption Benefits

Adopting these frameworks ensures a cohesive, strategic approach to transforming land administration systems effectively.

Data – who is responsible for production, upkeeping, distribution?



Different LA models

‘centralized’ – traditional

Distributed

As-a-service

PPP and fully digital



Who are the users

Authorities

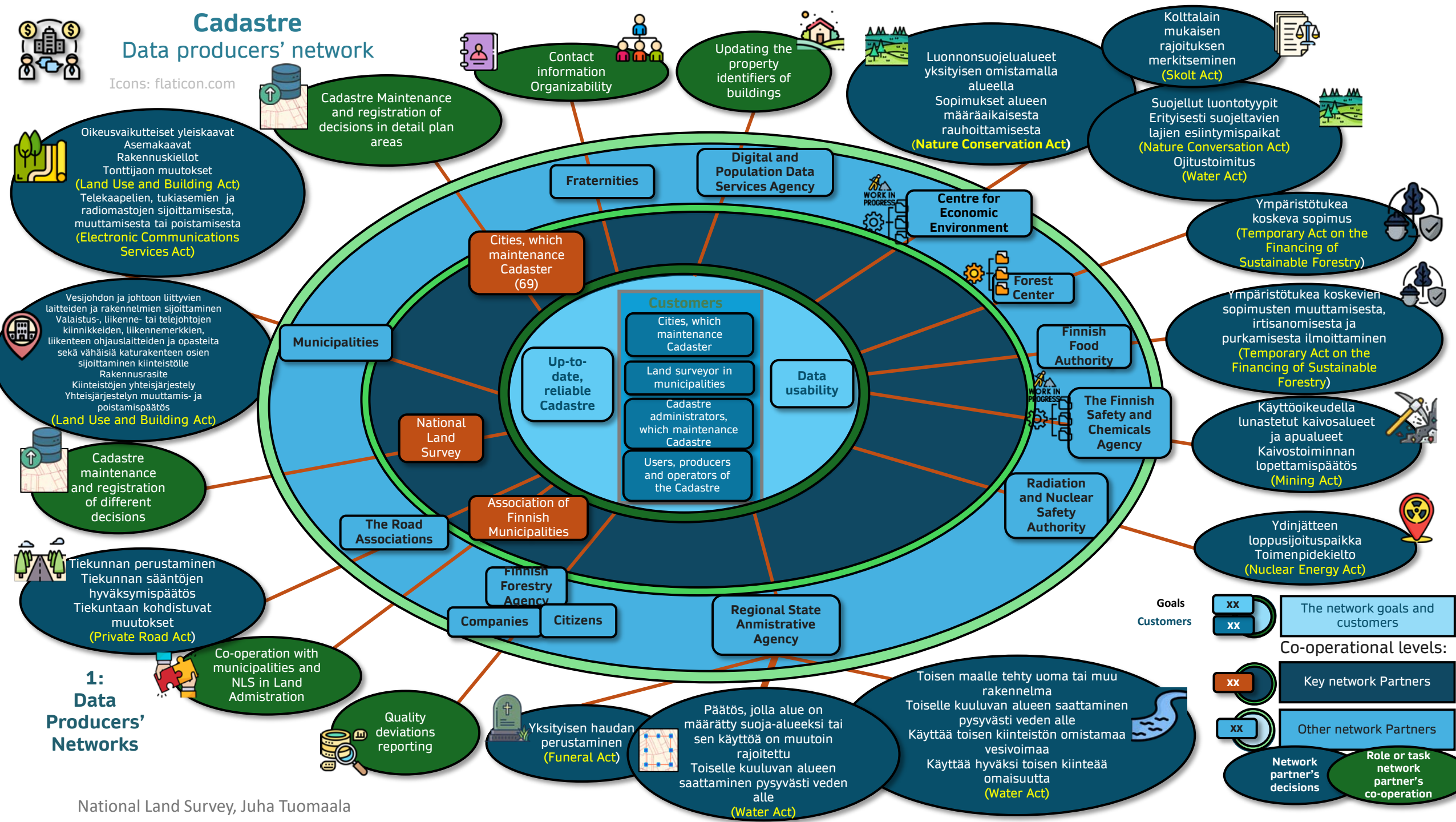
Finance sector

New users

Cadastre

Data producers' network

Icons: flaticon.com





Strategic Pathways and Methodology

Nine Strategic Pathways

The IGIF and FELA frameworks define nine pathways including governance, data, partnerships, and innovation to guide LAS transformation.

Methodologies for Implementation

Baseline assessments, policy alignment, and socio-economic impact analysis are core methods for planning and executing transformation.

Tools for Customization

Global tools and templates from organizations enable tailored country-level customization and effective execution of strategies.



Ensuring Sustainability and Performance

Robust Business Models

Sustainable LAS depend on strong business models including subsidies, PPPs, cost recovery, and value-added services.

Performance Management

Setting goals, KPIs, and using data-driven dashboards enables real-time monitoring of performance.

Cybersecurity and Upskilling

Cybersecurity measures and IT upskilling are essential to reduce digital risks and strengthen capabilities.



Pathway Forward and Key Messages

Immediate Action Steps

Form cross-sector committees, adopt disruption mindset, and conduct comprehensive baseline assessments promptly.

Medium-Term Implementation

Implement action plans, secure investments, and embed dynamic capabilities to drive digital transformation progress.

Long-Term Goals

Achieve full digital transformation with continuous performance monitoring and adaptation to new challenges.

Key Messages for Success

Embrace digital disruption, ensure inclusivity, align with policies, share global lessons, and tailor solutions locally.





Thank you!



FIG JOINT LAND ADMINISTRATION CONFERENCE

Eventos de la conferencia:

- Reunión Anual de la Comisión 7 de la FIG (Catastro y Gestión de Tierras);
- Reunión Anual de la Comisión 8 de la FIG (Planificación y Desarrollo Territorial);
- Modelo de Dominio de Tenencia Social (STDM) de ONU-Hábitat;
- Taller de la FIG sobre el Modelo de Dominio de Administración de Tierras (LADM) y la Administración de Tierras en 3D.

Información del evento:

- Celebrado del 3 al 5 de noviembre;
- Florianópolis, SC;
- Envío del resumen del artículo hasta el 15 de mayo.

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REGÍSTRATE AHORA!



