

11–15 SEPTEMBER 2022 Warsaw, Poland Volunteering for the future – Geospatial excellence for a better living

### Digital Transformation and Land Administration

Sustainable Practices from UNECE Region and Beyond

Presenter: Rumyana Tonchovska, Senior Land Administration Officer, FAO of the UN

On behalf of FAO, UNECE and FIG













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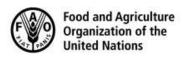


Investment brief

**Digital Tarnsformation and Land Administration** Sustainable Practices from UNECE Region and Beyond, FAO-UNECE-FIG Guide

**Funding Digital Transforation in Land** Administration, FAO-FIG Knowledge for Investment Brief

























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### Why the need for two new publications?

- Covid-19 impact on Land Administration
- Digital acceleration
- New lessons
- New challenges
- Hard to obtain funding



Norway: Stakeholder dialogue and existing digital platforms enabled property market continuity during the COVID-19 pandemic

### Digital disruption is the new normal for land administration organizations

Land administration systems must be equipped to deal with disruption, whether it stems from internal or external sources













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#### What is in the two publications?



The Guide provides various practical examples, lessons learned, challenges and suggest the way forward



The K4I Brief - Shorter, sharper, focus on action plans and funding

Aims to help communicate with economists, donors, or Finance Ministries in a language they understand.

#### How were they developed?

- 2020--2022 FAO-UNECE/WPLA joint webinars
- FIG/FAO/FIG Collaboration
- Funded by FAO Investment Center
- Drafting
- Review Rounds
- Splitting off into 2 documents

#### Who is the Audience?

- Decision makers
- Leaders and practitioners













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Global Geodetic Reference Framework	Ø		*				*	*	*	*	*	*	*	*	*	*	*	

Land Administration authorities play an important role in achieving country priorities and SDGs

Cadaster and Mapping Authorities are custodian of about 11 out of the 14 fundamental Geospatial Data Themes

UN-GGIM Global Fundamental Geospatial Data Themes and SDGs













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### Area affected by the volcano in La Palma, Spain's Canary Islands – Sept. – Dec. 2021

(Source: Geoportal. 2022. Information Affected Cumbre Vieja Volcano, https://geoportal.registradores.org/, accessed 20.04.2022.)

#### Damages:

- Over 7,000 people evacuated
- lava flows covered 1,000 hectares
- 3000 buildings destroyed
- damage bill estimated at almost MEUR 850

#### **Land Registry:**

- All paper based property registers were already digitized and secured
- A special web service was set up, integrating land parcel, environmental and lava flow information, to support impacted citizens
- Land Offices assisted affected people in proving ownership claims and in delivering adequate compensation









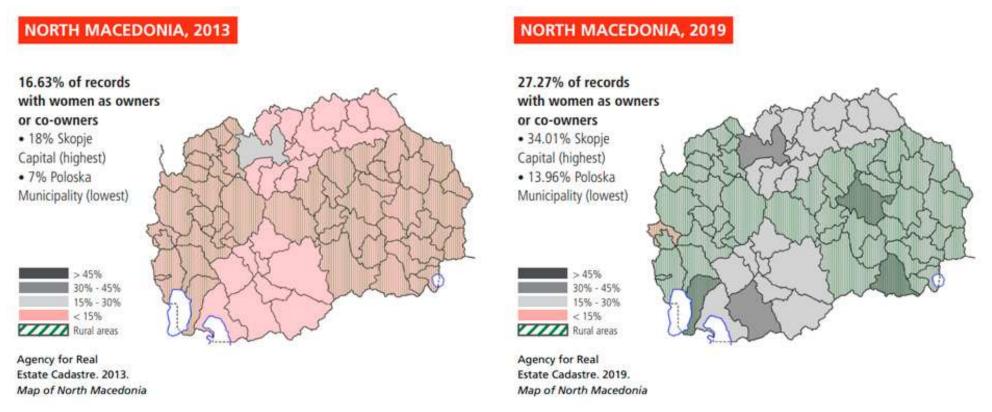




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#### Benefits for vulnerable groups



Gender disaggregated property ownership information supports monitoring of SDGs target 5.a. in North Macedonia







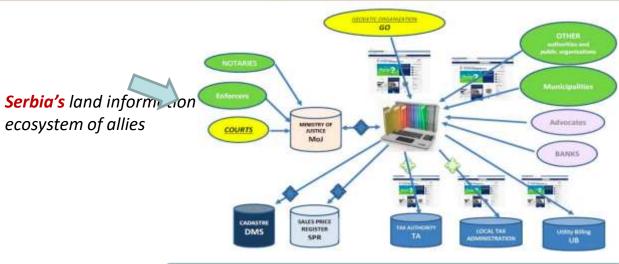






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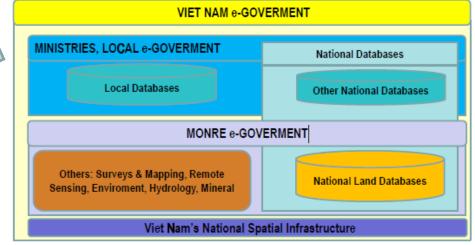


Rwanda's paperless land registration application

### Cot Nave

#### **Viet Nam**

National Land
Information
System in
e-Government
Architecture



# Data-driven economy Connected devices New business models Digital transformation axes Data-driven economy Connected devices New business models

Digital government and citizenship

work infrastructure and access
earch, development and innovation
fidence in the digital environment
cation and professional training
mational dimension

**Brazil's** 

Digital Transformatio n Strategy









Enabler axes

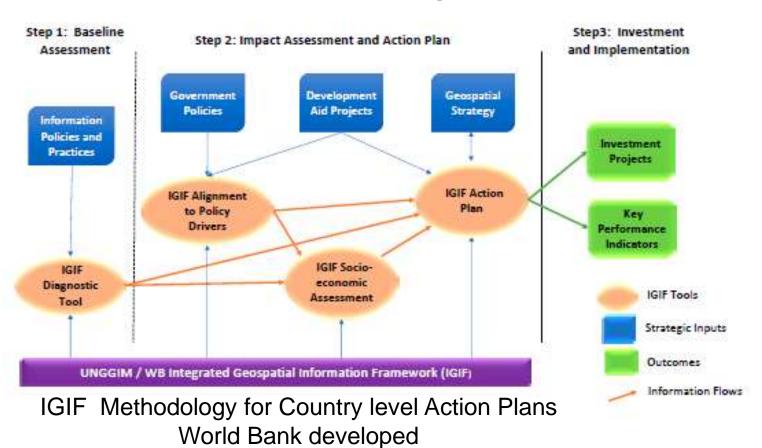




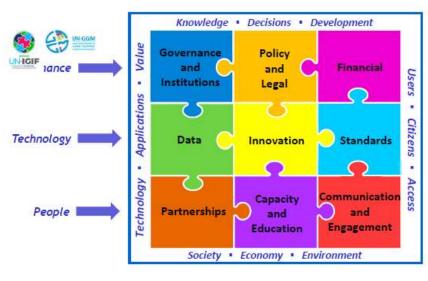
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#### How do we move towards implementation?



#### World Bank-UN-GGIM IGIF



IGIF's 9 interlinked strategic pathways









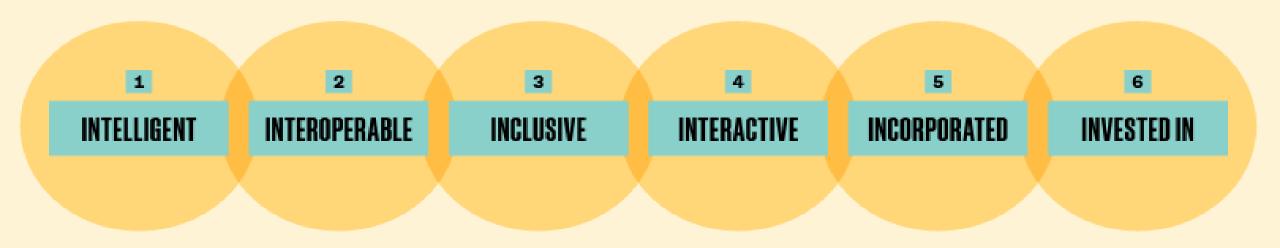




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#### The 6 l's - Future LAS characteristics















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# Taking Action Now:

# The Pathway Forward

#### NOW (YEARS 1 AND 2)

- High-level cross-sector committee formation
- Adopt the digital disruption paradigm
- Understand the 61's
- Baseline assessment, socio-economic impact analysis, policy alignment check
- Develop action plan with KPIs and risk mitigation measures, investment plan, and business model
- Engage regionally and globally

#### NEXT YEAR (YEARS 3 AND 4)

- Adopt action plans
- Seek and acquire investment
- Commence implementation; use the IGIF strategic pathways
- Embed dynamic capabilities
- Operate hybrid digital/paper systems during transition
- Measure performance, risks, and benefits

#### LOOKING AHEAD (YEARS 5 TO 10)

- Achieve fully digital transformation
- Continue performance monitoring
- Adapt and renew plans based on newly emerging disruptions













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### How should they be read and used?

Learning > advocating > communicating



**JOIN US:** 

FAO-FIG-UNECE Session:

TS07B: Accelerated
Digitalisation and the
Future of Land
Administration in the
UN-ECE Region and
Beyond

Wednesday, 14 September 11:30–13:00 Ballroom "Esri", DoubleTree by Hilton





Poland's open data policy activates value-added service creation













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# Dziękuję! Thank you!







