Transformer and Land Administration – a Scenario Study for Future Land Administration

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Agenda

- 1. WPLA introduction
- 2. Objectives with the study
- 3. Methodology
- 4. Imperative for transformation
- 5. Results to date
- 6. Next steps





United Nations Economic Commission for Europe (UNECE)

56 member States in Europe, Central Asia and North America





The Working Party for Land Administration (WPLA)

- Overall objective: Promotion and improvement of land management and administration in the ECE region
- Adhere to and support Agenda 2030 and New Urban Agenda
- Activites are based on cooperation and exchange of experience and best practices among ECE member states through:
 - Workshops and conferences (>= 2 per year)
 - Land administration reviews upon request from governments
 - Publications of studies and guidelines on specific topics
 - Benchmarking
- Collaboration with UN-GGIM, EuroGeographics, FIG, FAO, UN-Habitat, PCC, World Bank etc.



WPLA Task Group Activities 2018-2019

- Continuous benchmarking of land Administration systems cost study
- Land consolidation
- Informal settlements
- Fraud in land administration
- Future scenarios for land administration
- Define activities for 2020-2021



Objectives

- Understand emerging developments expected to shape the future
- Support land administration authorities to identify common challenges, share best practices for solutions and risk mitigation measures and to improve preparedness for future disruptive changes
- Ultimately the study is aimed at contributing with relevant thought leadership to the long-term strategic work of the authorities for them to <u>stay relevant</u>, liable and provide trustworthy and future-proof services



Methodology

- 1. Identify global megatrends and score their relative importance and anticipated impacts on LA within the next 10-15 years
- 2. Define future scenarios
- 3. Feedback from member states and beyond
- 4. UNECE report
 - Trend analysis
 - Scenario analysis and descriptions
 - Guiding principles towards 2030
 - Suggested outline for Country strategy report
- 5. Specific studies
- 6. Annual review/dialogue



Global Land Administration Megatrends +

Define what we do, how we do things and what is possible to do The digital Transformation



Urbanisation

Globalisation

Technological advancement





Climate Change



Individualisation





Knowledge-based Society



Diversity and Pluralism

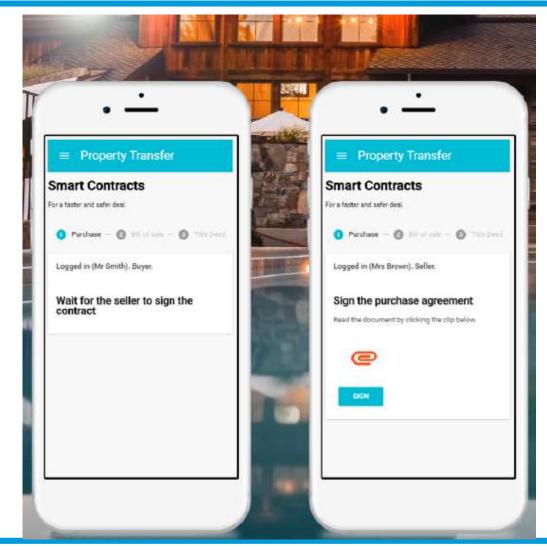


Agenda 2030



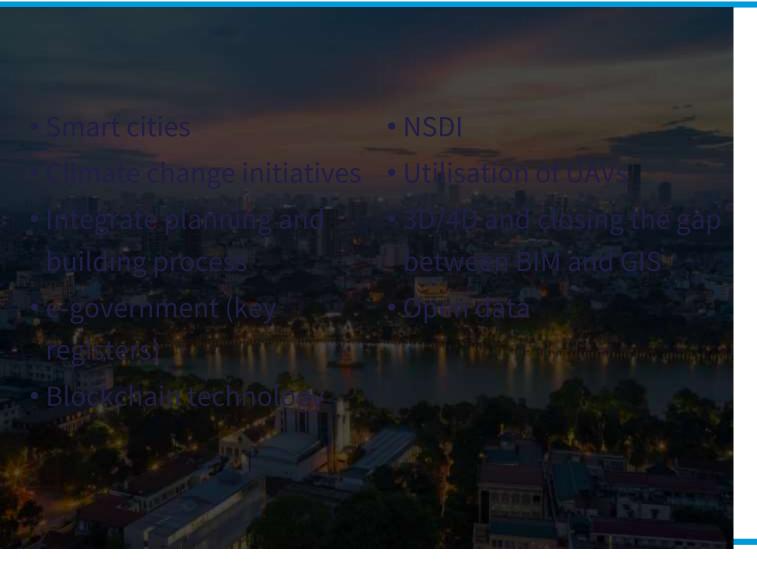
User Expectations +

- People want to make informed judgements for themselves
- Land information on demand
- Mobile device for property transactions and geospatial data capture
- Origin of data clearly defined
- More complex people-to-land relations
- Managing legal complexity
- e-services





Expanded Role of Land Authority +



Consequences for the land authority:

- Increased interaction
- More complex decision-making processes
- New competences
- Increased business intelligence and international collaboration



Constraints to Evolve +

- Unsustainable custom-made systems
- Human resources constraints
- Financial constraints
- No holistic land policy
- Limited political will
- Weak performance of services
- Siloed data and institutional overlaps/competition
- Low data quality and coverage
- Legal barriers
- Paper-based systems
- Exclusion from formal system
- Access to information
- Not fit-for-purpose



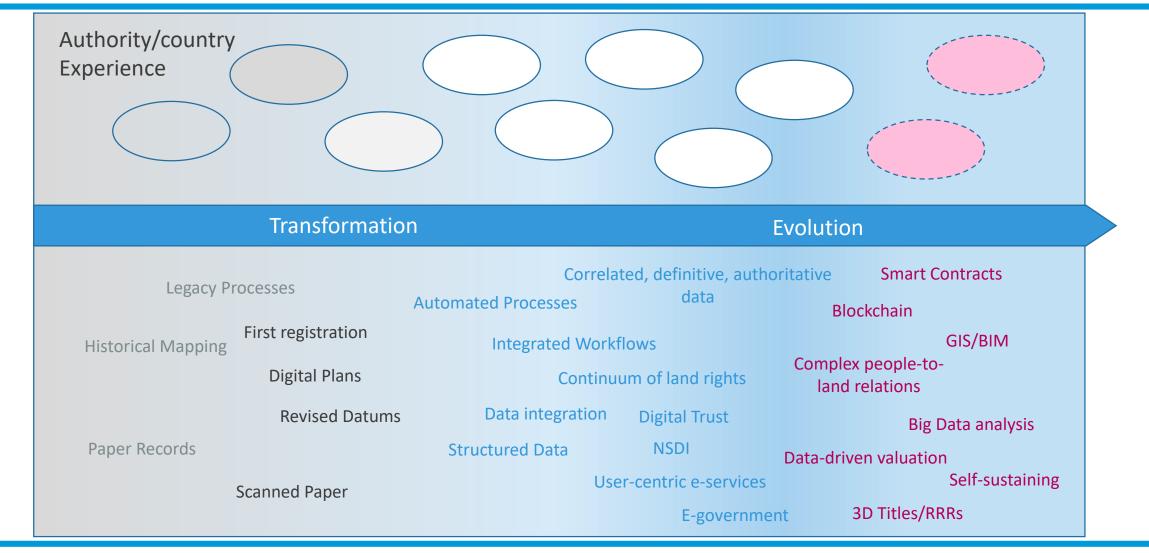




How to Stay Relevant?

- Holistic
- User-centric
- Digital trust
- Automation and process improvement
- Integration
- Data-driven decision
- Resilience, definitive, authoritative

Journey of Transformation





Megatrend Analysis

Megatrend	R1	R2	R3	R4	R5	R6	R7	R8	Average	Ranking
1. Demographic change	4	3	6	6	3	8	7	2	4.9	7
2. Societal disparities	3	2	6	4	6	5	4	3	4.1	8
3. Differentiated Lifeworlds	2	2	2	2	8	2	7	6	3.9	10
4. The digital transformation	10	10	10	10	10	10	8	10	9.8	1
5. Volatile economy	8	6	3	7	8	4	5	3	5.5	6
6. Business Ecosystems	8	7	8	8	10	4	8	10	7.9	3
7. Anthropogenic Environmental										
Damage	5	8	7	7	8	2	8	6	6.4	5
8. Decentralised environments	8	6	5	5	10	6	6	8	6.8	4
9. New political world order	3	5	3	3	3	7	6	2	4.0	9
10. Global/regional power shifts	3	5	5	4	2	-	4	3	3.7	11
11. Urbanisation	7	5	9	8	10	-	8	10	8.1	2
Average	5.5	5.4	5.8	5.8	7.1	5.3	6.5	5.7	5.9]



Feedback Comments

Business ecosystems:

"Open data and less motivation for citizens to pay for the services. We do not have customers but open data"

"Enable new ways for land administration, especially due to platform economy and sharing"

Urbanization:

"Need for better tools for planning, information in 3D/4D. Also increased need for tools to deal with illegal buildings and slums"

"Will lead to increased importance of rights, responsibilities and restrictions affecting land, real estate and infrastructures"



Feedback Comments

Digital transformation:

"We are moving into an age where our core business will be delivering 'digital trust'. Digital networks may become so strong that the land agencies may have no added value anymore if they keep operating in the 'classical' way"

Differentiated livelihoods:

"The shift towards a more liberal direction regarding the perception of the relationship between citizens and public institutions result in that the rights and obligations nowadays start from the individual and it is then for the public institutions to respond to the citizens' preferences"

Decentralized environments:

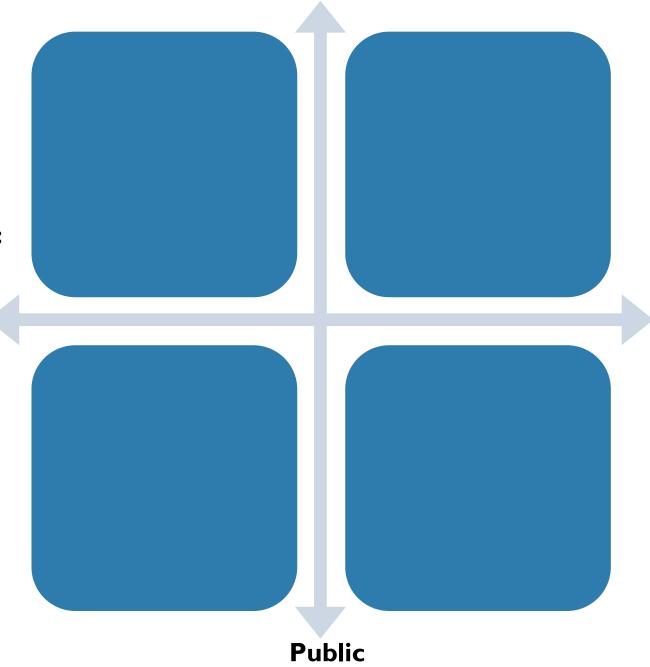
"PPP. Authorities needed only for "stamps", private companies' role is increased"



LA Scenarios

Traditional/hierarchical:

rule based; silo approach; non-integrated information products and services; centralized; one or few data-owners; processoriented



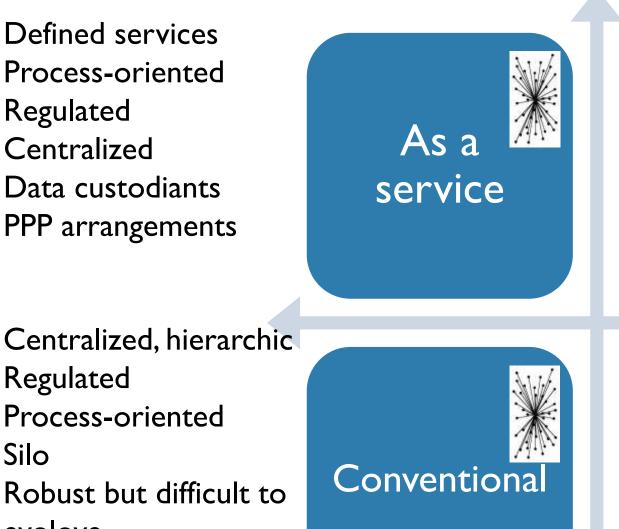
Private

Digitally enabled ecosystem:

data-driven; user-centric; system of key registers; wider sets of information; interconnected business models; data of different quality, information-oriented

LA Scenarios

Defined services **Process-oriented** Regulated Centralized Data custodiants **PPP** arrangements



Distributed

Platform

Multiple actors and data sets Less or no regulation Open data Automated decisions Distributed value Crowdsourced Organic, evolutionary

Integrated gvmt data, products and services **E**-government **Once-only-principle** Customer-oriented National Economies of scale

Regulated **Process-oriented** Silo Robust but difficult to evolove Non-integrated information and

services

Next Steps

- Member States consultations in autumn
- UNECE Report, October
 - Trend analysis
 - Scenario analysis and descriptions
 - Guiding principles towards 2035
 - Self-assessment framework and tools
 - Suggested outline for Country strategy report

... Annual review



Thank you for your attention

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