

Cluster 3: Innovation and Standards

Framework for Effective Land Administration

Expert Group on Land Administration and Management
United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM-LAS)

The first rule of any technology used in a business is that automation applied to an efficient operation will magnify the efficiency.

The second is that automation applied to an inefficient operation will magnify the inefficiency.

- *Bill Gates, Founder Microsoft*



“If I had asked people what they wanted,
they would have said faster horses.”

- Henry Ford

Doing things differently in land administrating is a necessity for prosperity and peace.

- *Why we're here*

“**Innovation** is the creation, development and implementation of a new product, process or service, with the aim of improving efficiency, effectiveness or competitive advantage.”

Innovation and Trends

Global Trends in Land Administration

- Engaged landholders
- Multipurpose
- Transparent/Accountable
- 3D/4D Applications – ownership/value
- Growing security concerns
- Fully connected data workers
- Sharing data

- Configured solutions
- Cloud infrastructure
- Online data
- Faster data updating
- Ongoing data quality improvement
- Lightweight apps and devices
- Community driven cadastral mapping
- Faster implementations

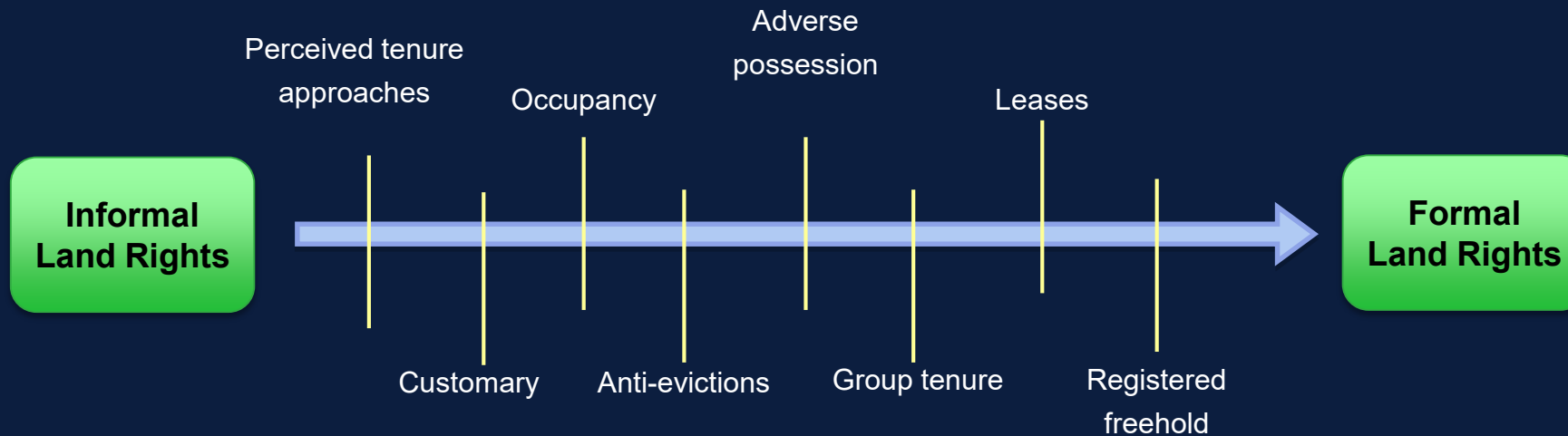
Rapid advances in land administration.....

Innovation Responds to Challenges & Opportunities

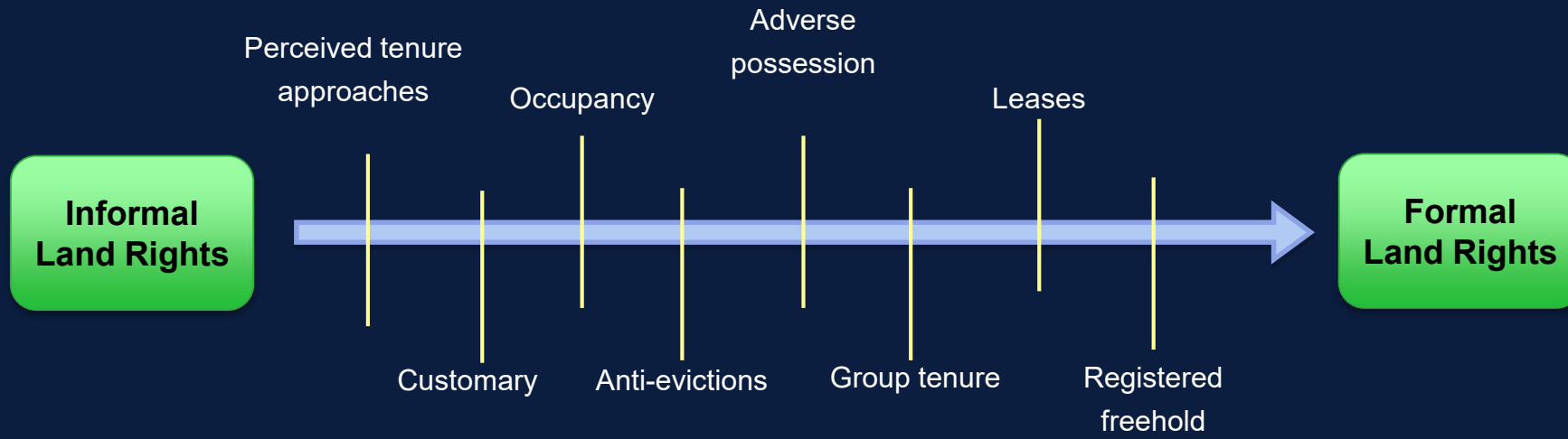
Common Global Challenges in Land Administration

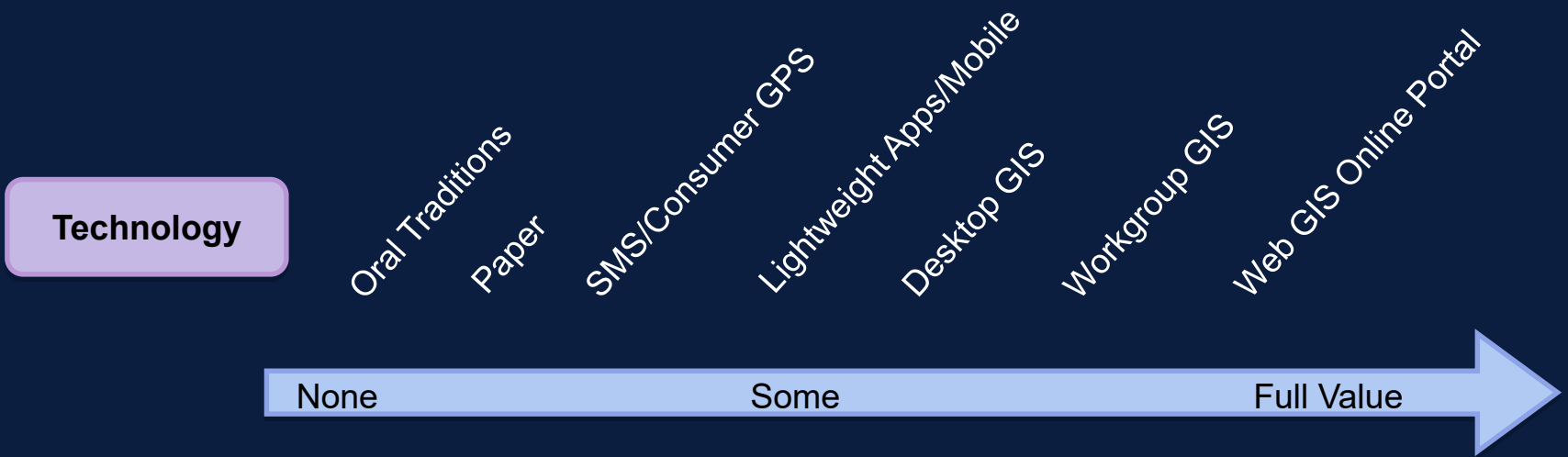
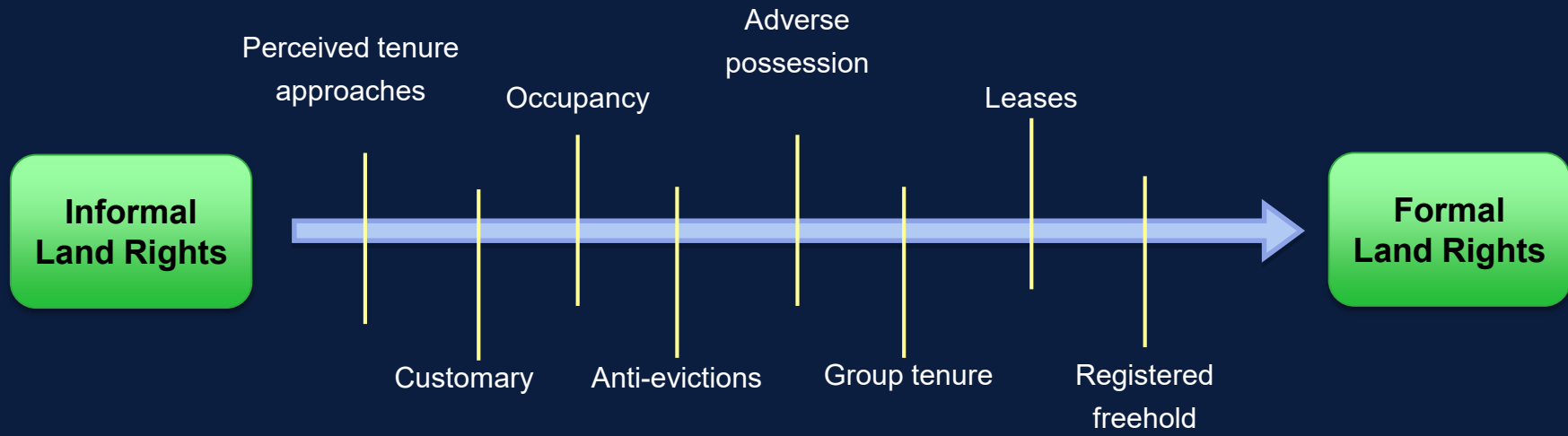


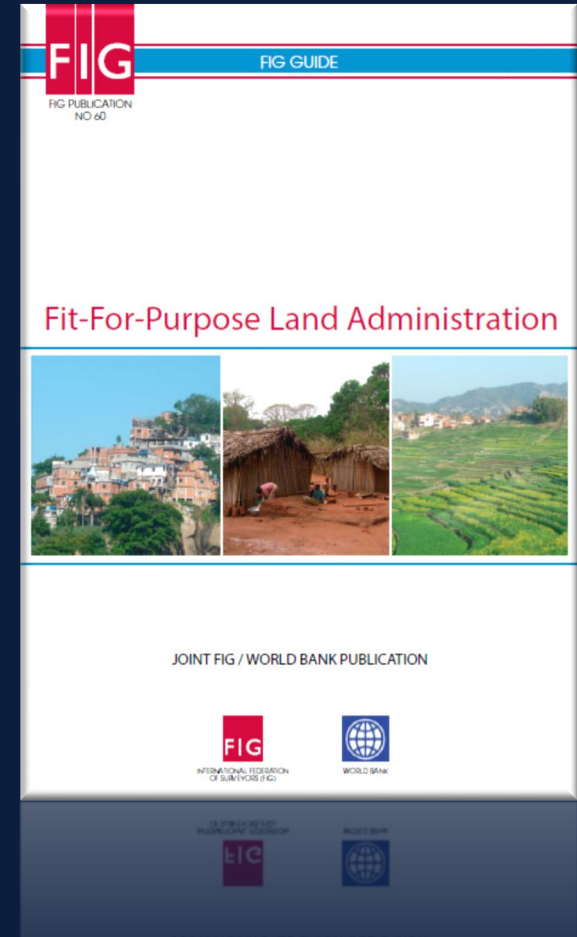
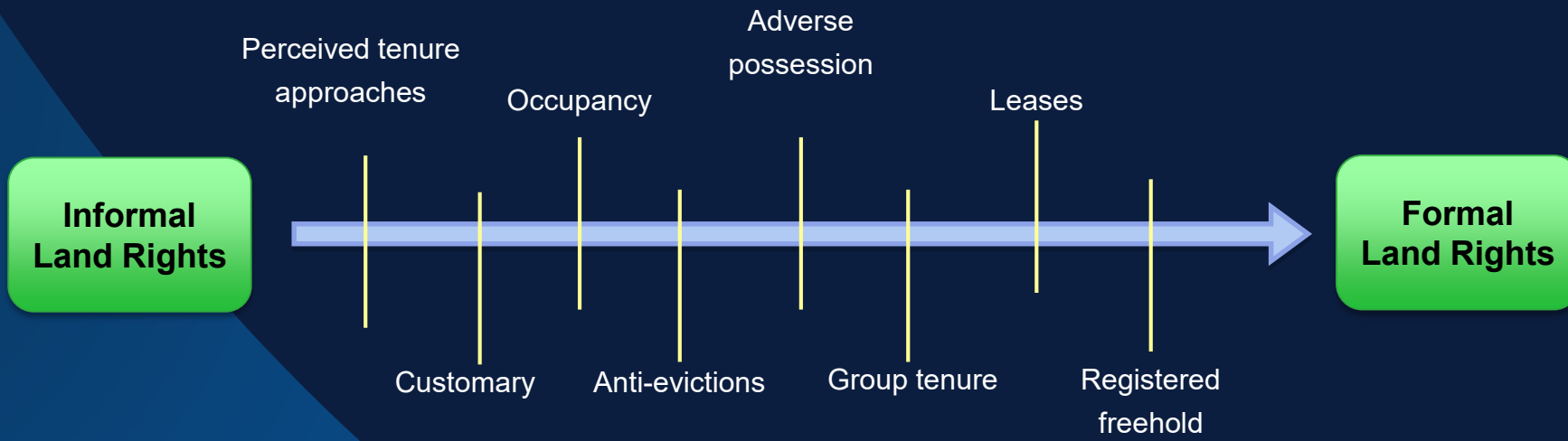
Similarities across the world.....



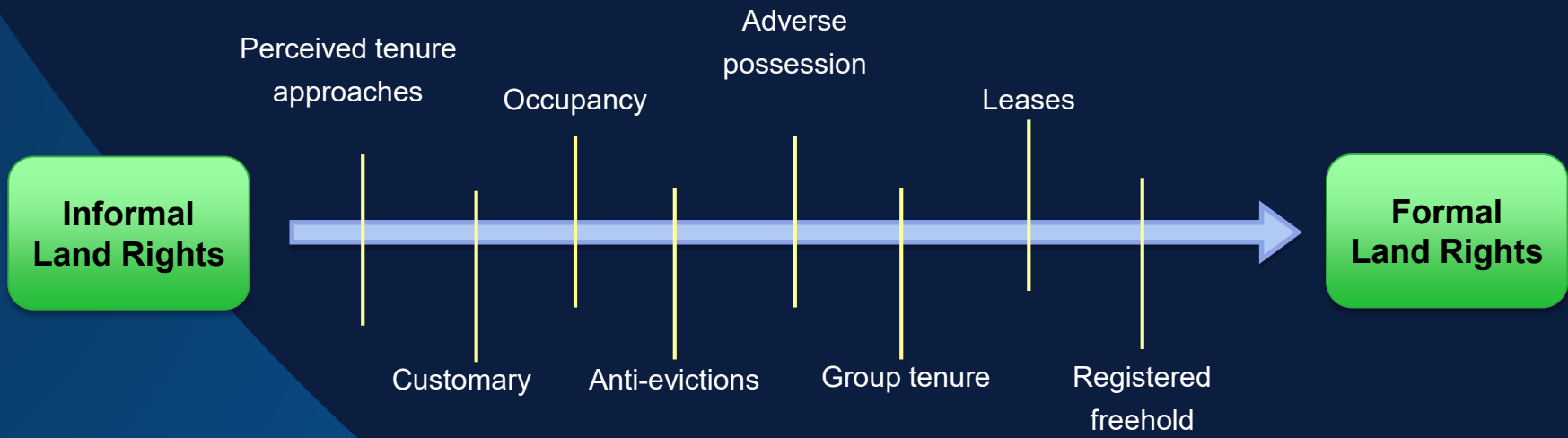
Continuum of Rights







Fit-for-Purpose Land Administration



LADM
Hosted Services



Browser Editing



Standards Power Innovation









Standards Enable Connecting Modern Technology

High Accuracy



Mobile Devices



Online Content



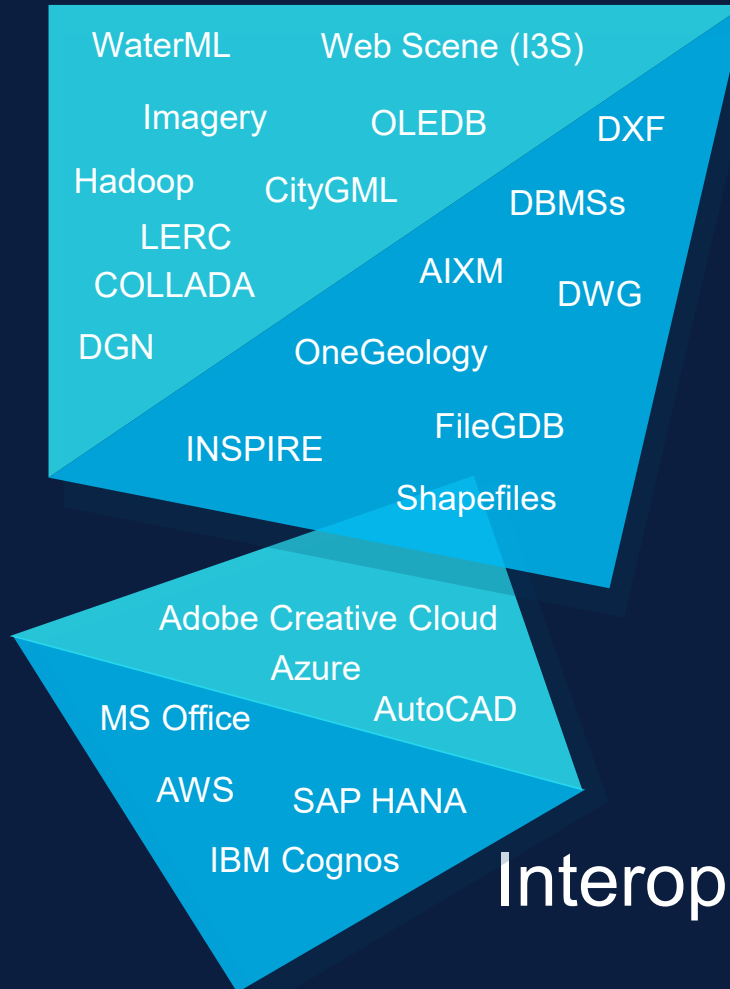
Cloud



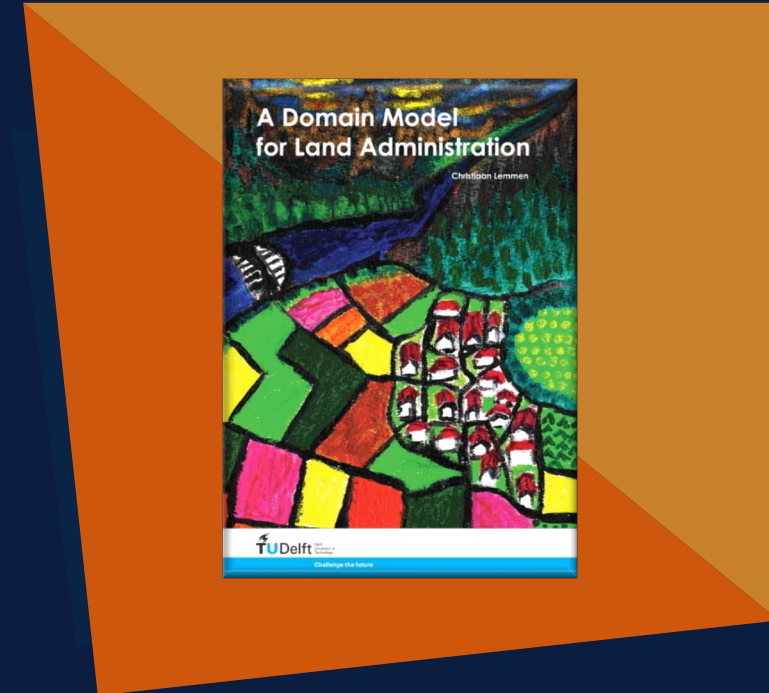
Open Standards



Industry Formats



Interoperability



Open Models

- Technology Innovations and Inventions Will Continue (and at an increased rate)
 - Faster, Cheaper, Smarter, Better.....
- Standards Enable New and Existing Technology to Interoperate
 - Leveraging new capabilities
- Standards Enable Faster Solutions
 - Leveraging past research and experiences
- New Opportunities and Capabilities Will Continue with Innovation and Standards

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