



WORLD BANK GROUP

Land Administration at the World Bank: An Expanding Agenda

Jorge Muñoz

Practice Manager

Global Land and Geospatial Unit, GSURR

Technical Deep Dive

**« Information Technologies for Improving Land
Administration Services »**

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1. Land Administration Functions & Institutions

- Policy and Regulations (Ministry)
- Adjudication, Regularization of Land Rights (Land Agency)
- Mapping, Surveying Land Parcels (Cadaster)
- Registration of Rights (Registry)
- Management of Public Lands, Planning, Taxation (Governments)
- Conflict Resolution (Courts, Alternative)



3. Main Lessons from Experience



- Principle of “Fit-for-Purpose”
- Development of methodologies, standards, and of Land Information Systems (software and hardware)
 - ✓ take time
 - ✓ better done by “building modules”
 - ✓ learning by doing
 - ✓ site-specific
 - ✓ No Turn-key approach
- Ideal: Merge Cadaster with Registry under one entity
- Second best: full integration of information systems



Lessons...

- Institutional capacity building is permanent
- Coordination among entities is extremely challenging
- Use alternative dispute resolution mechanisms
- Public dissemination campaigns
 - of peoples' land rights,
 - field operations,
 - access to information
 - dispute resolution

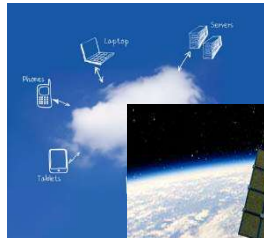


Lessons...

- Area-Systematic surveying (and/or adjudication) is cheaper, progressive, and more sustainable
- International expertise is helpful, but inevitably requires permanent local knowledge and local field teams



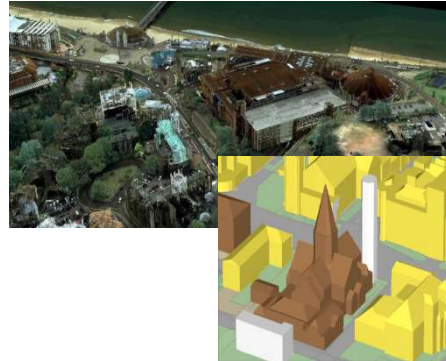
3. Emergence of Enabling Technologies...



Use of the Cloud

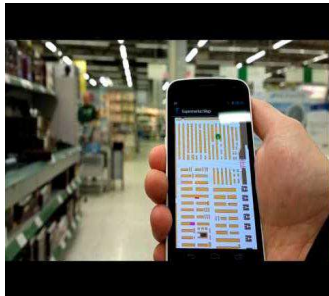


Aerial and satellite imagery



3D/4D visualization

- Integral components of Modern Land Administration Systems



Indoor positioning



UAVs (drone)

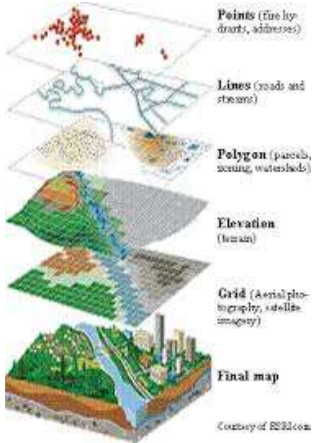


LiDAR & GPS

4. Land 2030 Initiative



- Goal: Enhance commitment of governments and partners to achieve ambitious global and regional targets to secure land rights by 2030, especially on



- ✓ Women's rights
- ✓ Fragility, forced migration
- ✓ Increased focus on Africa and Middle East

Land 2030 Initiative



- Expansion of Bank's land portfolio, by \$760 million to \$1,432 million over next 18 months
- Expansion of global and regional partnerships for capacity building, use of geospatial technologies, and exchanges
- Technical Deep Dive is an integral part of this Initiative, let's focus on Action Plans



Thank You