المؤتمر العربي الكؤتمر العربي اللثاني للأراضي

Second Arab Land Conference

22-24 FEBRUARY 2021 CAIRO, EGYPT

Land registration and fit-for-purpose land administration

Fit-For-Purpose Land Administration

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PEOPLE TO LAND RELATIONSHIPS



- Peace Building and Security
- Social Justice
- Disaster Management
- Resource Management
- Tenure Security
- Access to Credit
- Taxation

- Smart and Resilient Societies
- Sustainable Land Use
- Protected Environment
- Slum Upgrading
- Access to Housing
- City Management
- Access to Basic Infrastructure

- Coverage
- Institutional setting
- Transparency
- Paper based systems
- Legacy
- Information management
- Decentralisation
- Poor and vulnerable
- Gender

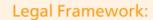


FIT-FOR-PURPOSE LAND ADMINISTRATION

Spatial Framework:

Aerial imageries country wide Participatory field adjudication Incremental improvement Continuum of accuracy

FIT-FOR-PURPOSE LAND ADMINISTRATION



Enshrine FFP approach in law Secure all land rights for all Human rights, gender equity Continuum of tenure - STDM

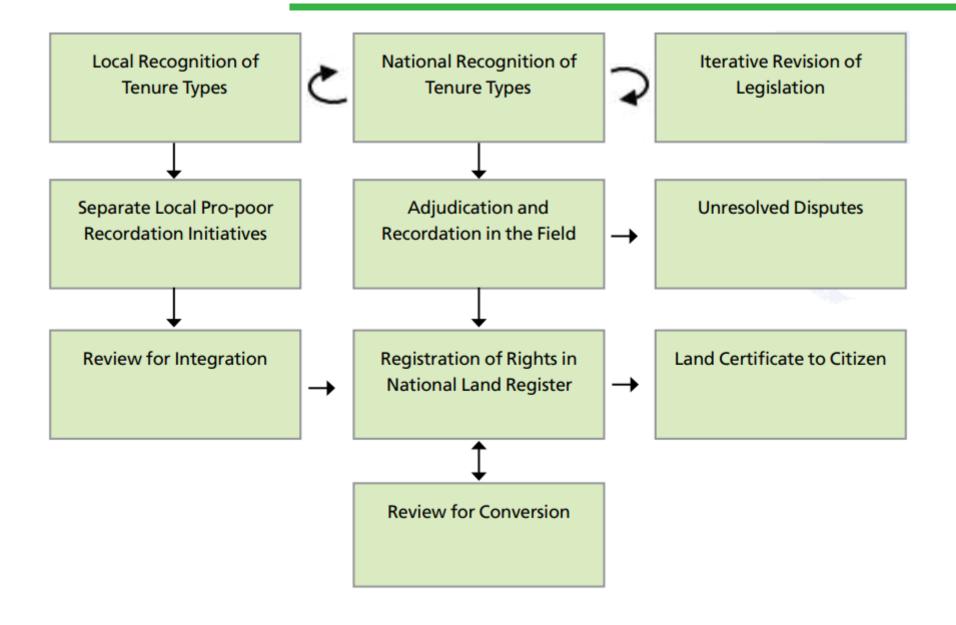
Institutional Framework:

Holistic, transparent & cost effective
Sustainable IT approach
Ongoing capacity development
Continuum of services



- Focus on purpose Focusing firstly on the "what" in terms of the end outcome and then designing the "how" to be the most "fit" for achieving the purpose
- Flexibility It is about flexibility in terms of demands for accuracy; for recording of a range of different tenure types, and for shaping the legal and institutional framework to best accommodate societal needs
- Incremental improvement A Fit-For-Purpose approach will ensure that basic and appropriate land administration systems are built within a relatively short time frame and at affordable costs ... and the systems can then be incrementally improved over time

FIT-FOR-PURPOSE LAND ADMINISTRATION PROCESSES



APPROACHES

Main Mapper	Location	Material	Mapping Tool	Spatial Units	Level of Accuracy	Demarcation	Right- holder	Rights	Validation	Storage	Distribution
Grassroot / Paralegal Surveyor	In the field	Digital	GNSS	Volume	Decimeter	Mark	Individual	Registered freehold	Public Inspection	Cloud	Web Services
Crowdsourced/			CORS Total Station	Polygon Lines		Waadaa Baas	Company Married	Leases Group Tenure		Server Database	
Volunteered			Aerial Imagery / UAV	Centroid Points	1-5 Meter	Wooden Pegs	Cooperative Local Government/	Adverse Possession	In the field		Webshop
Government Surveyor		<u> </u>	Satellite Imagery	Reference to street axis		No Demarcation	Ministry Community	Anti evictions Occupancy	in me neid	Local Database	Machines
Private Surveyor			AFE Handheld GPS	Sketch/Topology based			Religious Group of Groups	Customary		Analogue	
Lawyer	In the village	Paper-based	Tape/Chain/ Plain Table	Text/Video based	5-10 Meter	Visible/ Topographical Boundaries	Group non defined Membership	Perceived tenure approaches	Remote	Archive	Local Office Desk

PARTCIPATOR - PAPER OR DIGITAL





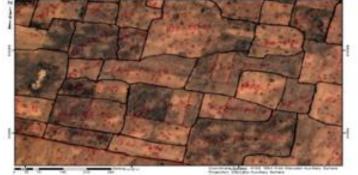












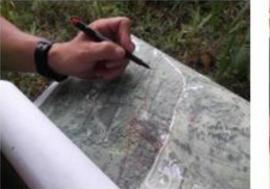














IDENTIFICATION OF LAND OBJECT















IDENTIFICATION OF PERSONS













RESULTS – INTEGRATED APPROACH

Spatial unit: Matricula: 484716 -

reated_date ast_edited_user ast_edited_date NEW MAP Mathilde -

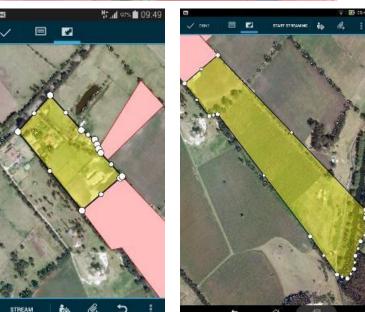
HOME - LADM_Colombia_v3-Tenjo

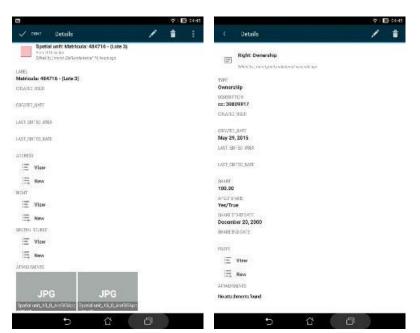
Details Add - Edit Basemap

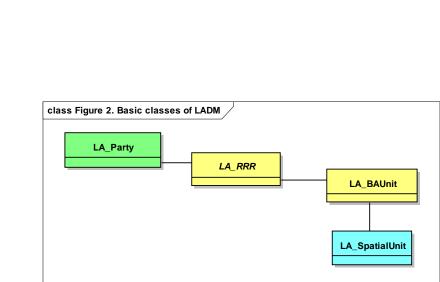
Esri.com . ArcGIS Marketplace . Help . Terms of Use

Spatial unit

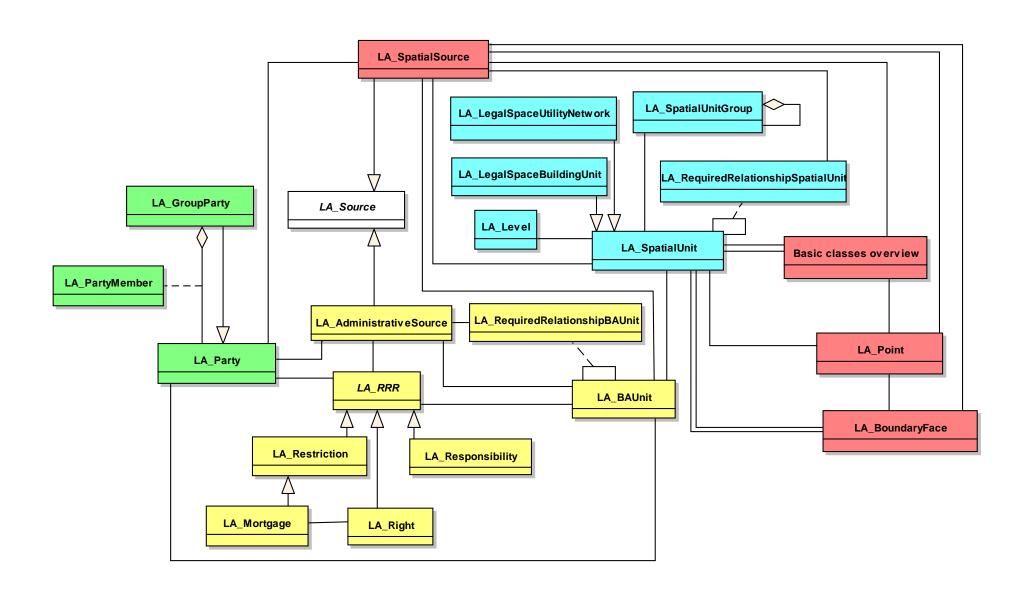








THE LAND ADMINISTRATION DOMAIN MODEL



- It is time to stop thinking of parcel corner accuracy in terms of centimeter accuracy
- It is impossible to calculate any parcel area with 100% precision







LAND ADMINISTRATION DEVICES





















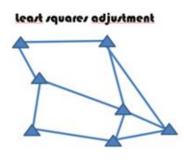




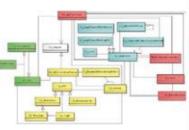




















Text

