

The role of ICT to promote Land Administration: case study Rwanda

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Introduction

All land administration organizations face similar challenges, including in Rwanda:

- ✓ they need to become less bureaucratic, simpler, cheaper and more transparent.
- ✓ Design and implementation of traditional approaches is so time-consuming that land laws are adapted to provide for simpler procedures.

In this regard, unconventional approaches are urgently needed, both conceptual and technological.

we review recent examples of both in Rwanda case.

Land law and policy in Rwanda

- ✓ Access to land is a fundamental basis for human shelter, food production and other economic activity, including by businesses and natural resource users of all kinds.
- ✓ Secure rights to land encourage people to invest in improved dwellings and the land itself;
- ✓ they can also enable people to access public services and sources of credit.
- ✓ Land-related issues in Rwanda are multiple and varied.

Reforms

- ✓ National Land Policy of 2004
- ✓ Organic Land Law of 2005
- ✓ Organic law n° 03/2013/ol of 16/06/2013 repealing organic law n° 08/2005 of 14/07/2005 determining the use and management of land in Rwanda
- ✓ Revised National Land Policy “Efficient Land Management for Sustainable Development” June, 2019

Why of the reforms in Rwanda

- ✓ Land remains a highly complex and contentious issue, involving economic, social, political and cultural systems.
- ✓ As spelled out in Article 75 of the Habitat Agenda, stating that "*legal access* to land is a strategic prerequisite for the provision of adequate shelter for all and *the development of sustainable human* settlements affecting both urban and rural areas.

Why the reforms in Rwanda

- ✓ The failure to adopt, at all levels, appropriate rural and urban land policies and *land management practices* [Land Administration Information System] remains a primary cause of inequity and poverty" [UN-Habitat, 2003],
- ✓ there is a strong link between land and poverty.

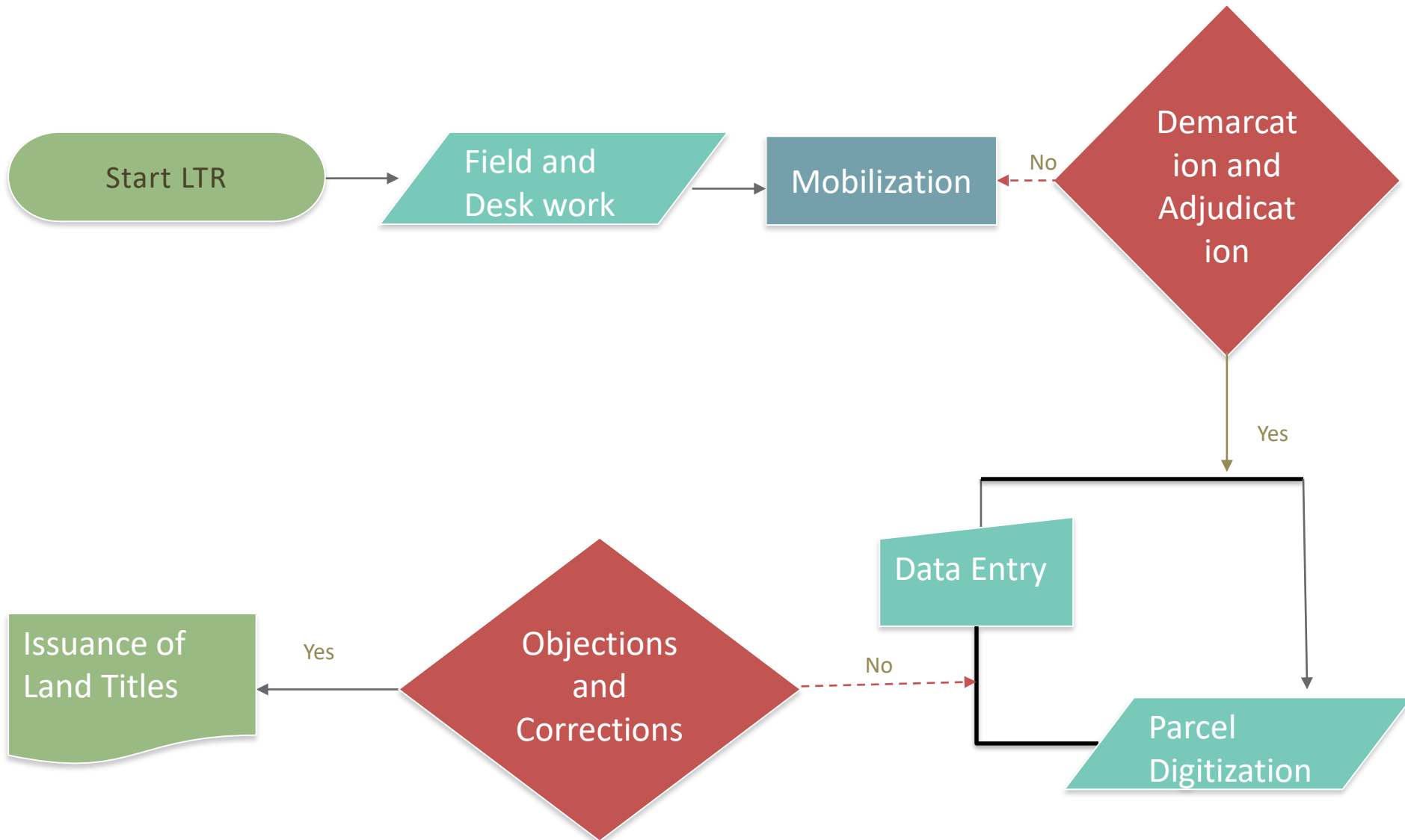
Data and Repository

- ✓ Although much data and information are available for Rwanda, they are scattered in various formats among several ministries, local agencies, research institutes and universities.
- ✓ There is no central repository (e. g. Nodes) or access point using website (e.g clearinghouse) for geographic data for the Rwanda.

Data and Repository

This study discusses the design of a Clearinghouse for Rwanda . In this research, a preliminary diagnosis of the current situation in Rwanda in terms of Land Administration Information System (LAIS) activities is presented.

Process Overview of Land Title Registration (LTR)



Data Collection

This analysis is made on the basis of a survey using a questionnaire, fieldwork, desk studies, literature review and observation carried out in different public and private institutions during fieldwork in Rwanda .

Digitization of Parcel of Field Maps – Using ArcGIS Parcel digitization



Digitization of Parcel of Field Maps – Using ArcGIS Parcel digitization



Land Tenure Regularisation Support System

LAND TENURE REGULARIZATION SUPPORT SYSTEM - Mozilla Firefox

File Edit View History Bookmarks Tools Help

LAND TENURE REGULARIZATION SUPP... +

localhost:8080/LTRSS/

Google

Logged in User: Eng Gasashya

[Logout](#)

Parcel Search

Search Options: Parcel Condominium UPI

Province: Kigali City

District: KICUKIRO

Sector: Gatenga

Cell: Nyarurama

Parcel No: 3026

Search Cancel

No of Parcels (0)

Person Search

Search Category: Natural Non Natural Succ

Search type: ID Name

Name or ID: sagashya

Surname	Given Name	MiddleName
SAGASHYA	DIDIER	GISCARD

Results Area

Claimants(2)

Edit Claim Edit Person Remove

Full Name	Representative	Shares	Relationship
NKURIKIYUURU EVELYNE	SAGASHYA GISCARD DIDIER, Village: Mulindi	50	Wife
SAGASHYA GISCARD DID...	SAGASHYA GISCARD DIDIER, Village: Mulindi	50	Husband

1/03/02/04/3026

Save Approve UnApprove Remove Document Add Document Add Claimant Rem

UPI: 1/03/02/04/3026

Village: Kabeza

Land Use: Gutura - Ubutaka bwite bw' Akare

Acquisition Type: PURCHASED

Area: 895

Plot No:

Folio:

Lease Term: 20

Buffer/Swamp: In Swamp In Buffer Zone

Other Options: Is Disputed Is Approved Is Printed

Neighbouring Parcels: 1/03/02/04/1295
1/03/02/04/1297
1/03/02/04/1298

Housing

Immigration and Emigration

Land

Local Government

National ID

Notarisation and Gazette Service

Police

Prosecution

Rwandans living abroad

Media

Education

Health

Land

Land sub-division

Authentication of loan agreement

Application for sporadic land registration

Application replacement of land document

Requesting to add or remove land owners

Rectification on land register

Transfer of rights on a parcel based on Exchange

E-Payment for New document

E-Payment for certificate of ownership

Printing leases and Certificates





AMASEZERANO Y' UBUKODE BURAMBYE No.

HAKURIKIWE Ibigabo Niyonga N° 08/2006 rigana imukoreherere a'umungirire y'Ubutaka mu Rwanda a'iteka rya Minisitiri N° 001/2008 rya kera 01-04/2008 rigana ibyubahirirwa a'ibukurikirwa mu gashyamba abutaka
 HAGATI YA Republika y'u Rwanda, ihagaritse a'Umubizi w'Impapurompamo (ari we wawe "Umukode").
 NA: umuntu (abana) umugabo (umugabo) a'ho ibukurikira (arira wawe "Ukodesha").

Amashyamba y'Ukodesha (Abakodesha)	Nomero z'indangamunyi	Umugabane
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Aho Ukodesha abarizye:

Umugabanyirye: _____ Umugabanyirye: _____
 Umwana: _____ Umugabanyirye: _____
 Umwana: _____ Umugabanyirye: _____

HUMVUKANYE IHI BIKURIKIRA:

Intumuna ya 1:
 Byerekeye uburunganyirye Umukode abaye Ukodesha uburunganyirye bw'ubukode bw'igihe cy'inyaka ku bantwa burunganyirye a'ho ibukurikira.
 Umwana: _____ Umwana y'uburunganyirye: _____
 Umwana: _____ Umwana: _____
 Umugabanyirye: _____ Umwana y'uburunganyirye: _____
 Umugabanyirye: _____ Umwana y'uburunganyirye: _____
 Umugabanyirye: _____ Umwana y'uburunganyirye: _____

Extract of Cadastral Plan

ANNEX to Certificate of Registration of Emphyteutic Lease Title

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EXTRACT CADASTRAL PLAN

UPI 4/04/11.03/10

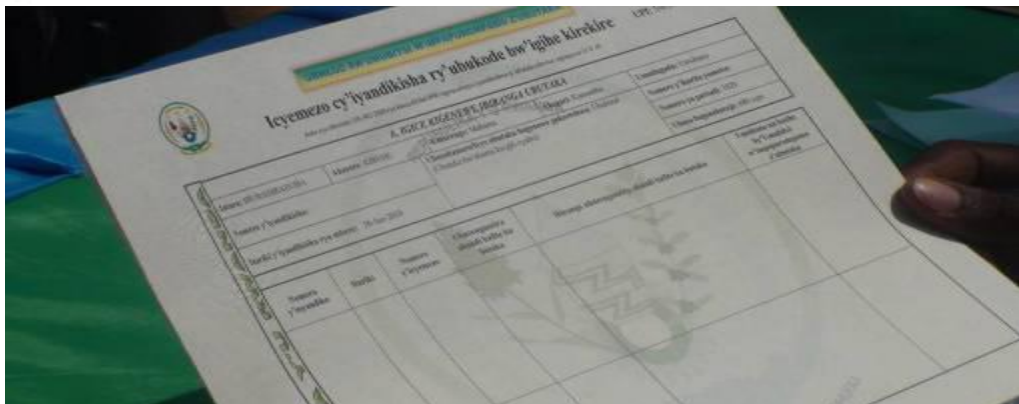
PROVINCE NORTHERN DISTRICT BURERA SECTOR KIVUYE CELL MURWA

MAP of parcel

NOTE
Parcel Map prepared based on General Boundaries Principle

Date	25-Feb-2011	Registrar/Deputy Registrar	MUNYANGAJU Damascene	Signature		Stamp
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REPUBLIKA Y' URWANDA



The Director General of RLMUA, Mrs Espérance Mukamana said that “In Rwanda the effective land administration has supported:

- ✓ the increase of agricultural production,
- ✓ promoted investment on land market and contributed to poverty reduction in general;
- ✓ it has also reduced land related conflicts and improved doing business in the country consequently improving the country’s ranking on the global scale”.

Conclusion and Recommendation

- ✓ However, there is a need to maintain these systems up-to-date in terms of the information on parcels, rights and right owners that is regularly changing due to transaction on land.
- ✓ This work provides also possibilities to monitor all the datasets within the whole clearinghouse system. An approach for the implementation of the National Clearinghouse is a priority to avoid data duplication.