



Third High Level on UN-GGIM

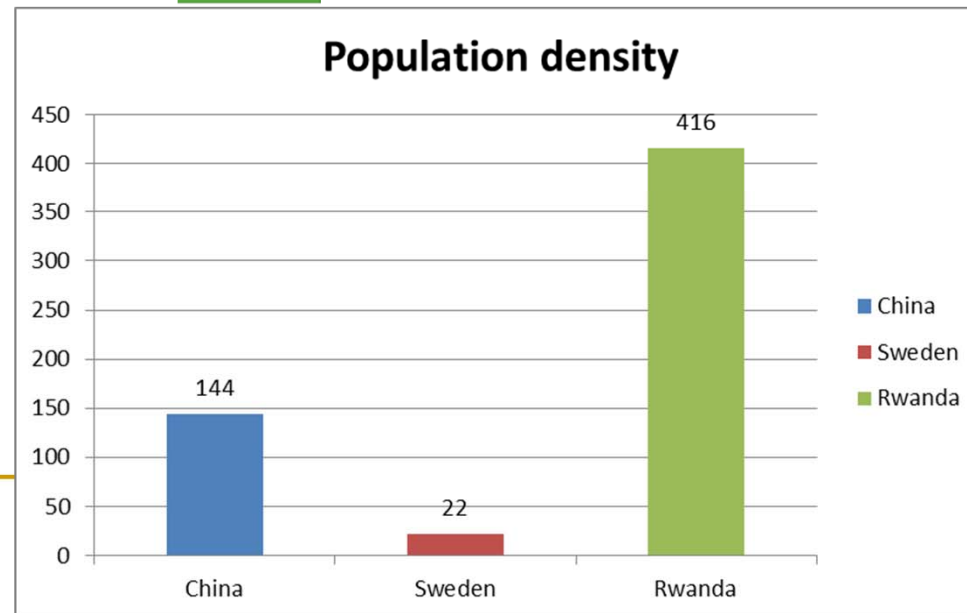
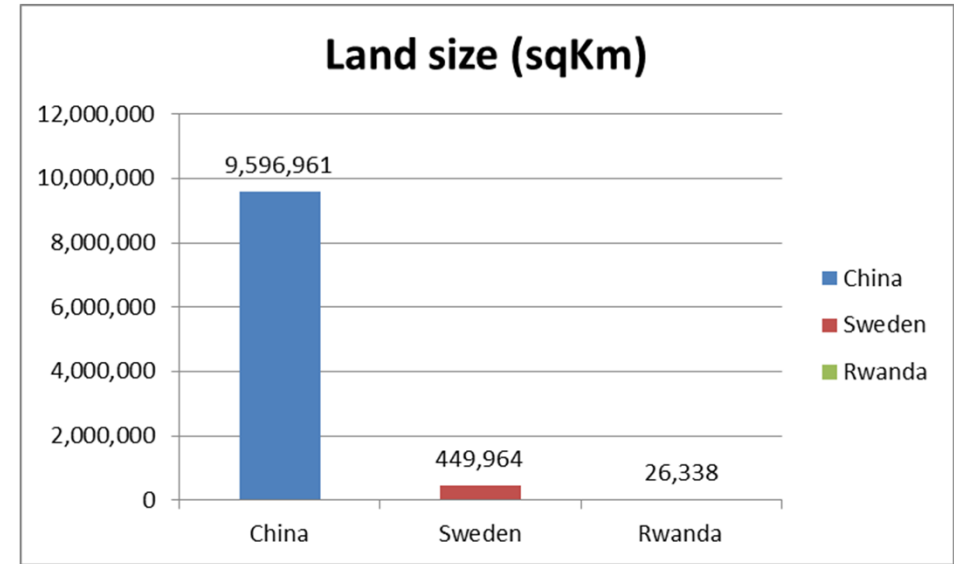
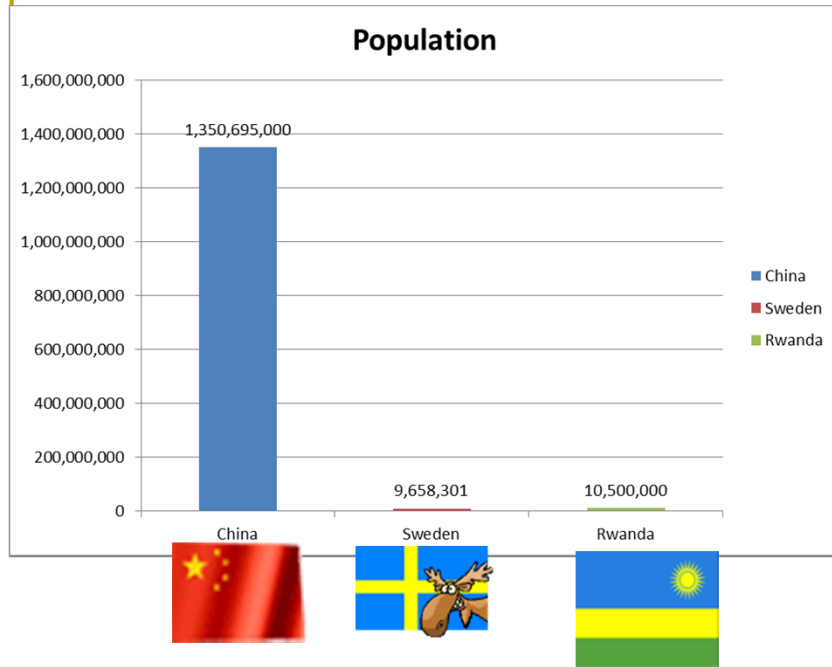
Sustainable Land Administration and Management

Eng. Didier G. Sagashya
Deputy Director General
In charge of Lands and Mapping
Rwanda Natural Resources Authority

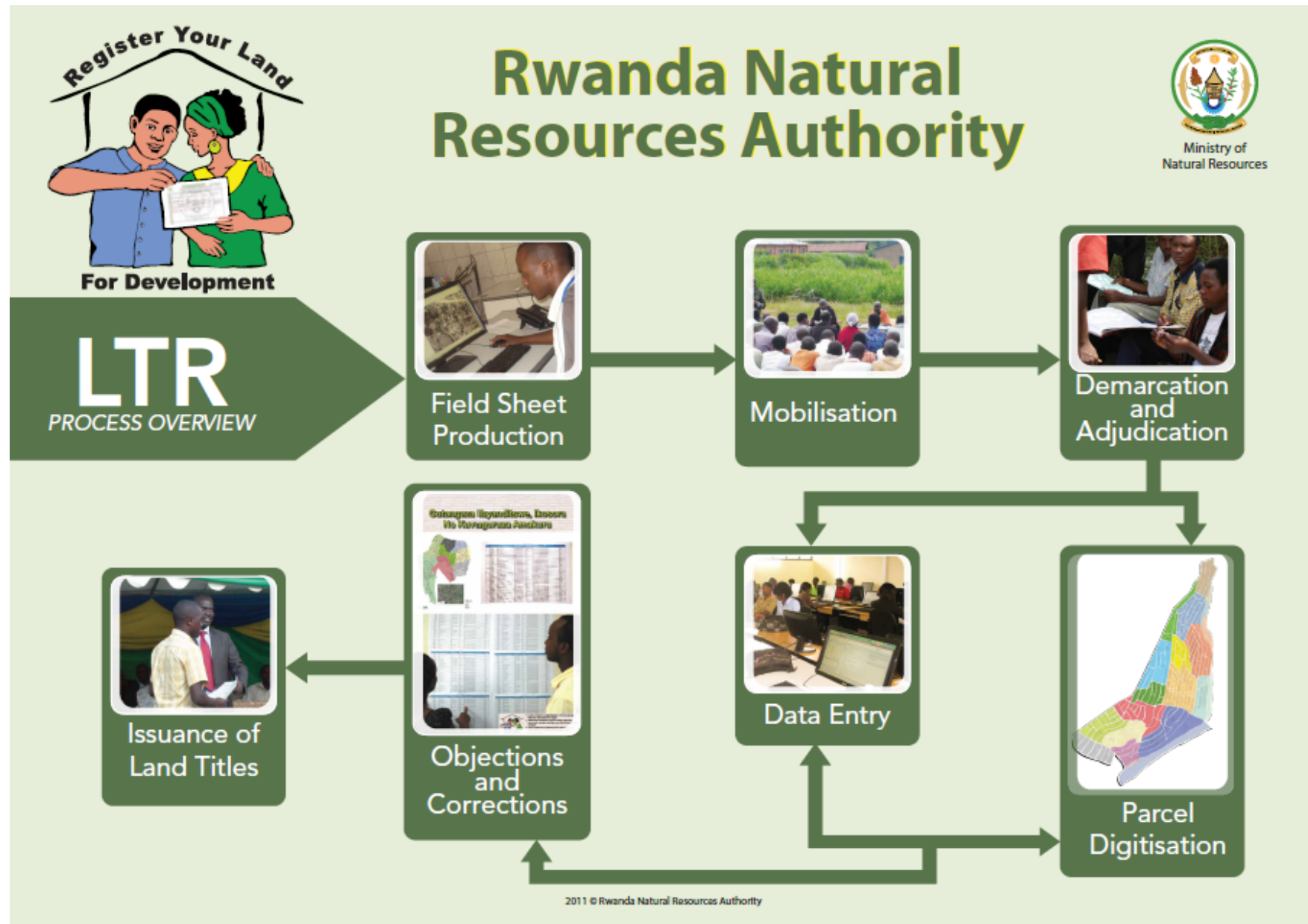
23rd October 2014



Three countries



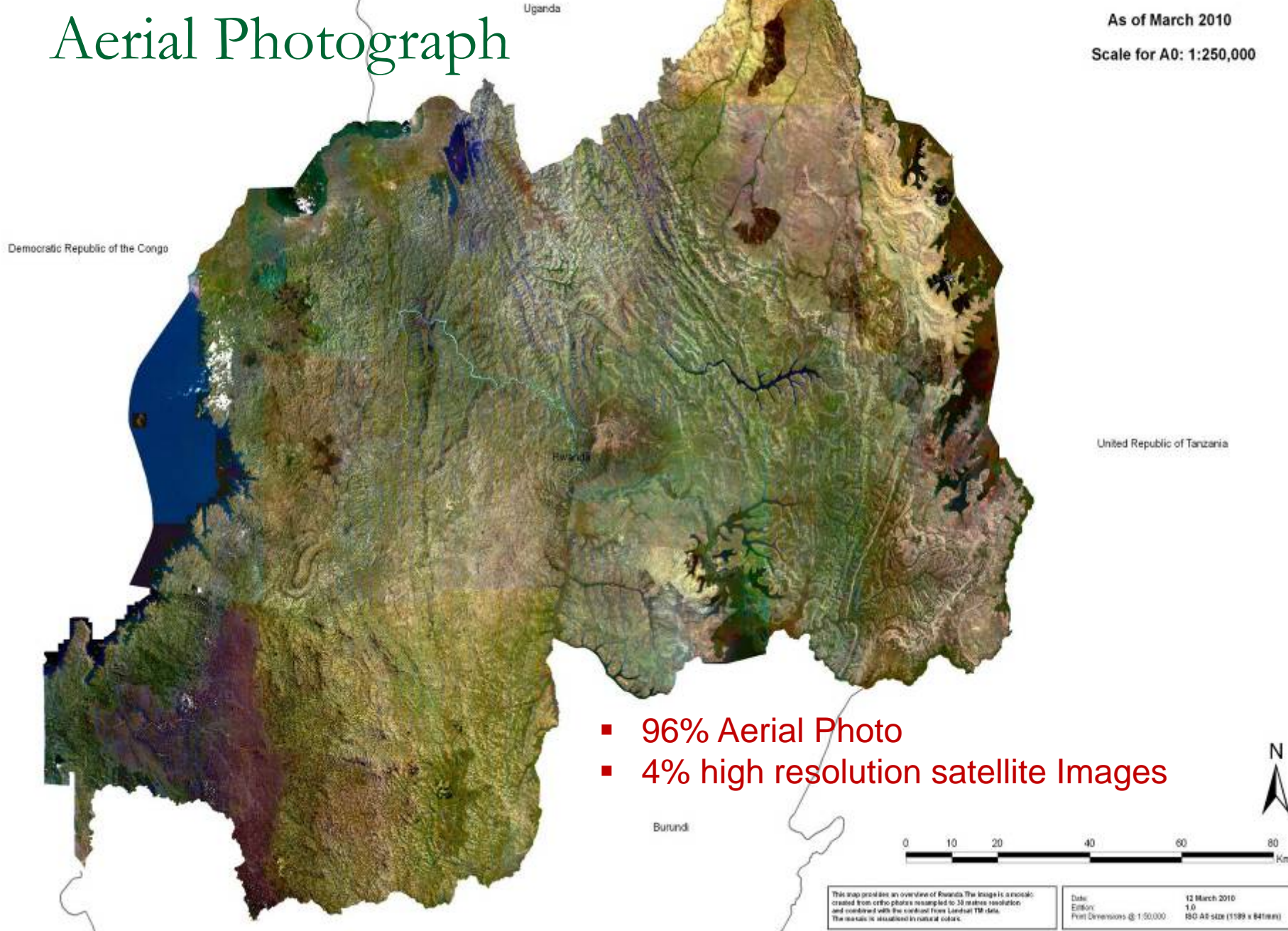
Systematic Land Registration



Aerial Photograph

Rwanda

As of March 2010
Scale for A0: 1:250,000



- 96% Aerial Photo
- 4% high resolution satellite Images

This map provides an overview of Rwanda. The image is a mosaic created from aerial photos resampled to 30 metres resolution and combined with the elevation from Landsat TM data. The mosaic is visualized in natural colors.

Date:	12 March 2010
Edition:	1.0
Print Dimensions @ 1:50,000:	ISO A0 SIZE (1189 x 841mm)

Field Sheet preparation – by Cell



Demarcation and ...

Para-Surveyors, Adjudication Committee and neighbours



Map digitisation



Achievements (June 2009 – September 2014)

- ✚ All land parcels are demarcated = **10.3 millions** parcels demarcated
- ✚ Less than 1% (11,840) disputed parcels registered (80% of those conflicts are intra-family related)
- ✚ **8.4 million titles** approved and Printed for issuance
- ✚ **6.5million Titles** collected by owners

GOVERNMENT OF RWANDA



Ministry of Lands, Environment, Forestry, Water and Mines



Strategic Road Map for Land Tenure Reform

Summary Presentation
February 2008
Approved by Cabinet March 2008





URwego rw'ububatsi w'impuzamubano z'ubutaka

Icyemezo cy'iyandikisha ry'ubukode bw'igihe kirekire UPI.2.05.06.01.990

Inshyamba yashyirahije: 01.01.2008 yari ikomeye ku buryo bwo gukuraho ibyandikisho by'ubukode bw'igihe kirekire, nyuma ya 17.4.10

A. IGICE KIGENWE, IBIRANGA URUTAKA

Izamu: AMAYEYO	Akarene: NYAMAGABE	Umugabo: KAMUCHE	Umugore: BWAAMA
Numero y'iyandikisha:		Umugore: KAMERO	
Ibikorwa by'ubukode bw'igihe kirekire: Ubusizi		Numero y'ubukode bw'igihe kirekire: 231	
Ibikorwa by'ubukode bw'igihe kirekire: Ubusizi		Numero y'ubukode bw'igihe kirekire: 231	

Ibikorwa by'ubukode bw'igihe kirekire: 13-sep-2010

Numero y'iyandikisha	Ibikorwa	Numero y'ubukode bw'igihe kirekire	Ibikorwa by'ubukode bw'igihe kirekire	Numero y'ubukode bw'igihe kirekire

Umukuru wa kabiri by'ubukode bw'igihe kirekire: 231

URwego rw'ububatsi w'impuzamubano z'ubutaka

Icyemezo cy'iyandikisha ry'ubukode bw'igihe kirekire UPI.2.05.06.01.231

Inshyamba yashyirahije: 01.01.2008 yari ikomeye ku buryo bwo gukuraho ibyandikisho by'ubukode bw'igihe kirekire, nyuma ya 17.4.10

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Ibikorwa by'ubukode bw'igihe kirekire: 13-sep-2010

Numero y'iyandikisha	Ibikorwa	Numero y'ubukode bw'igihe kirekire	Ibikorwa by'ubukode bw'igihe kirekire	Numero y'ubukode bw'igihe kirekire

Umukuru wa kabiri by'ubukode bw'igihe kirekire: 231

Extract of Cadastral Plan

ANNEX to Certificate of Registration of Emphyteutic Lease Title

Page 3 of 3

EXTRACT CADASTRAL PLAN

UPI 4/04/11/03/10

PROVINCE NORTHERN	DISTRICT BURERA	SECTOR KIVUYE	CELL MURWA
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MAP of parcel			
		<p>NOTE Parcel Map prepared based on General Boundaries Principle</p>	
Date	25-Feb-2011	Registrar/Deputy Registrar	MUNYANGAJU Damascene
		Signature	
		Stamp	

1st Land Administration System Manual



- Procedures for land transactions and registration
 - Forms for any type of request
 - Requirements for any type of transaction
 - Person responsible
- NB: Second Edition to be released this month***

Land Administration Information System

- ✚ Electronic land registry and maintenance system (Update of parcel, person and land right information)
- ✚ Connected all 30 Districts
- ✚ Linked to all bank through e-MRS
- ✚ Being connected to Kigali City Construction Permitting system

1/02/07/01/1581

Book Inquiry

UPI: 1/02/07/01/1581

Village: Iretana

Right Type: EMPTY TESTIC LEASE

Land Use: Gusha - Ubutaka bwite bw' Akazi

Is Condominium: Yes No

Create Admin Doc ID: 10207011581172012

First Title Doc ID: 10207011581172012

Change Admin Doc ID:

Area(Sqm): 13,562

Lease Term: 20

Is Parcel Split: NO

Is Parcel Merged: NO

LastCondoIndexLetter:

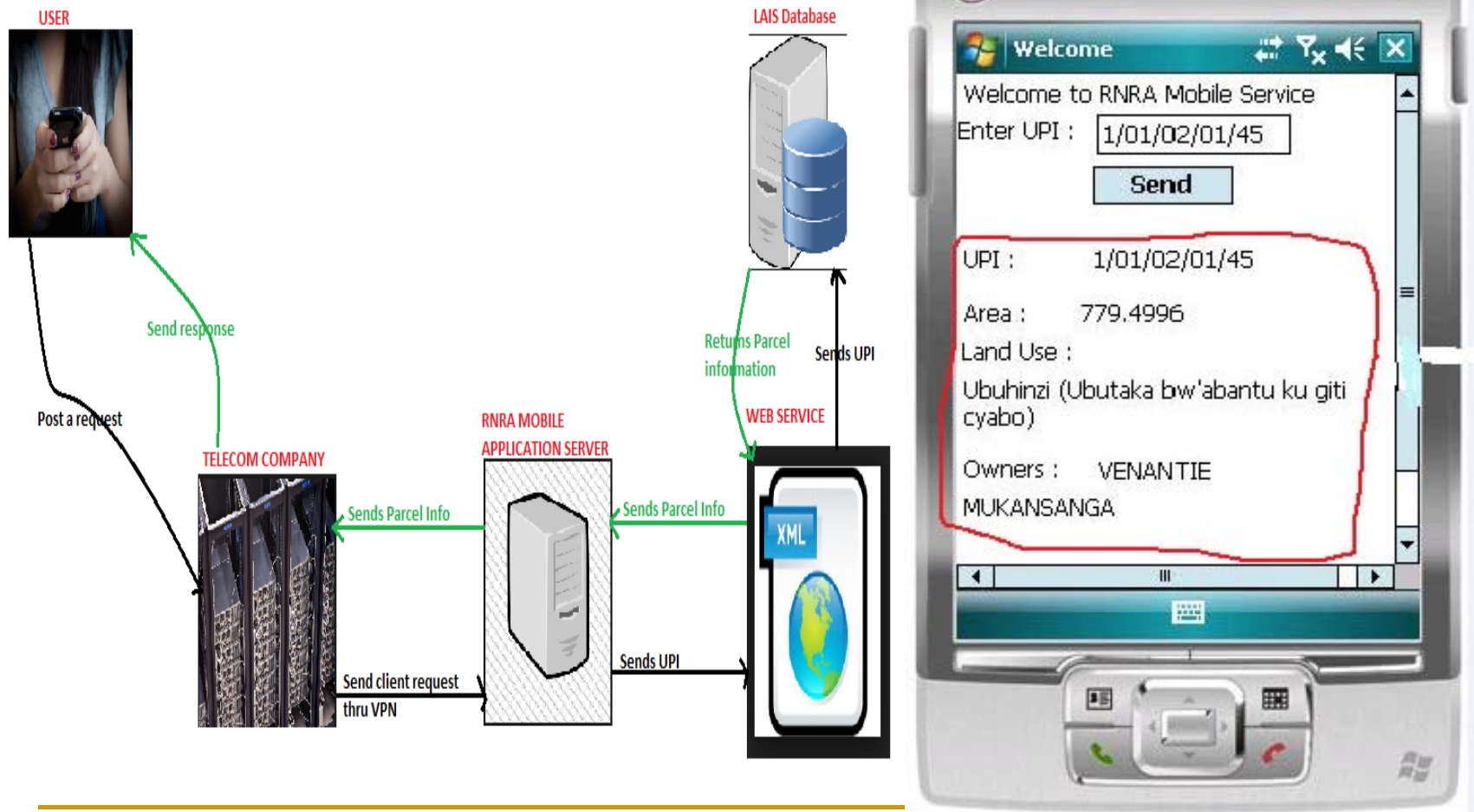
Parcel Extract Image for: 1/02/07/01/1581

Real Rights (1)

Full Name	Representative	Share Numerator	Share Denominator
LETA MINAGRI	Name: MUCHIMYIMANA GERIBAR Village: Indwira.Street nul.Box No: nul	1	1

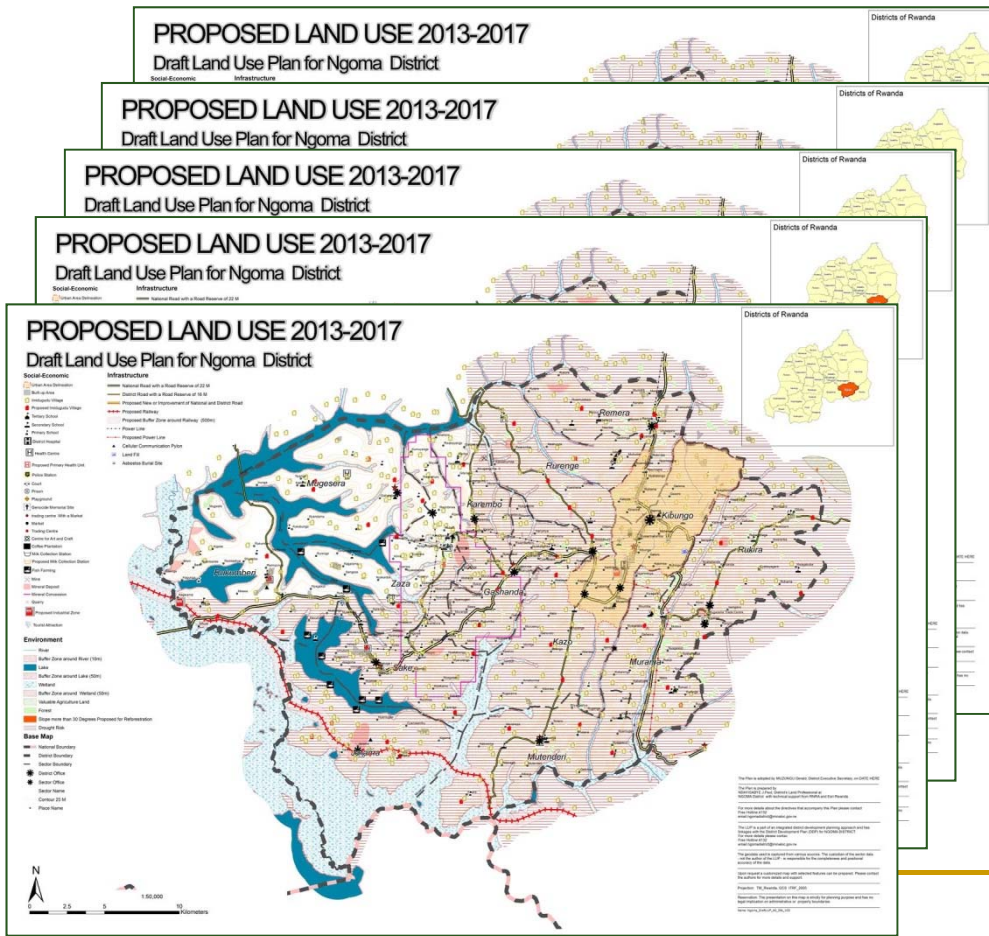
Object Annotations - Under Dispute (0)

Now developing a mobile application to check owner information and size of plot

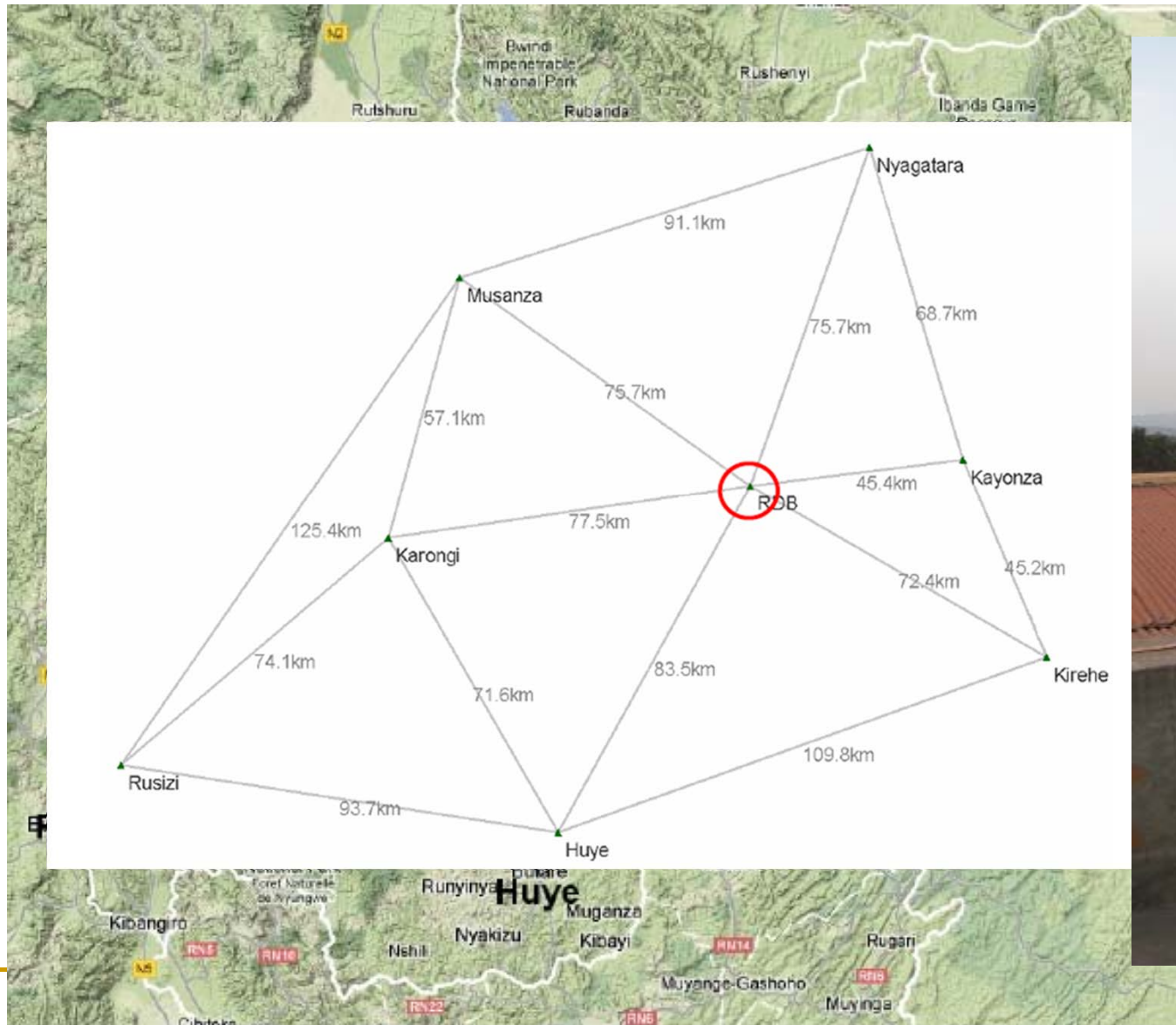


With Rwanda Online: Now developing online application for transfer of land and sub-division

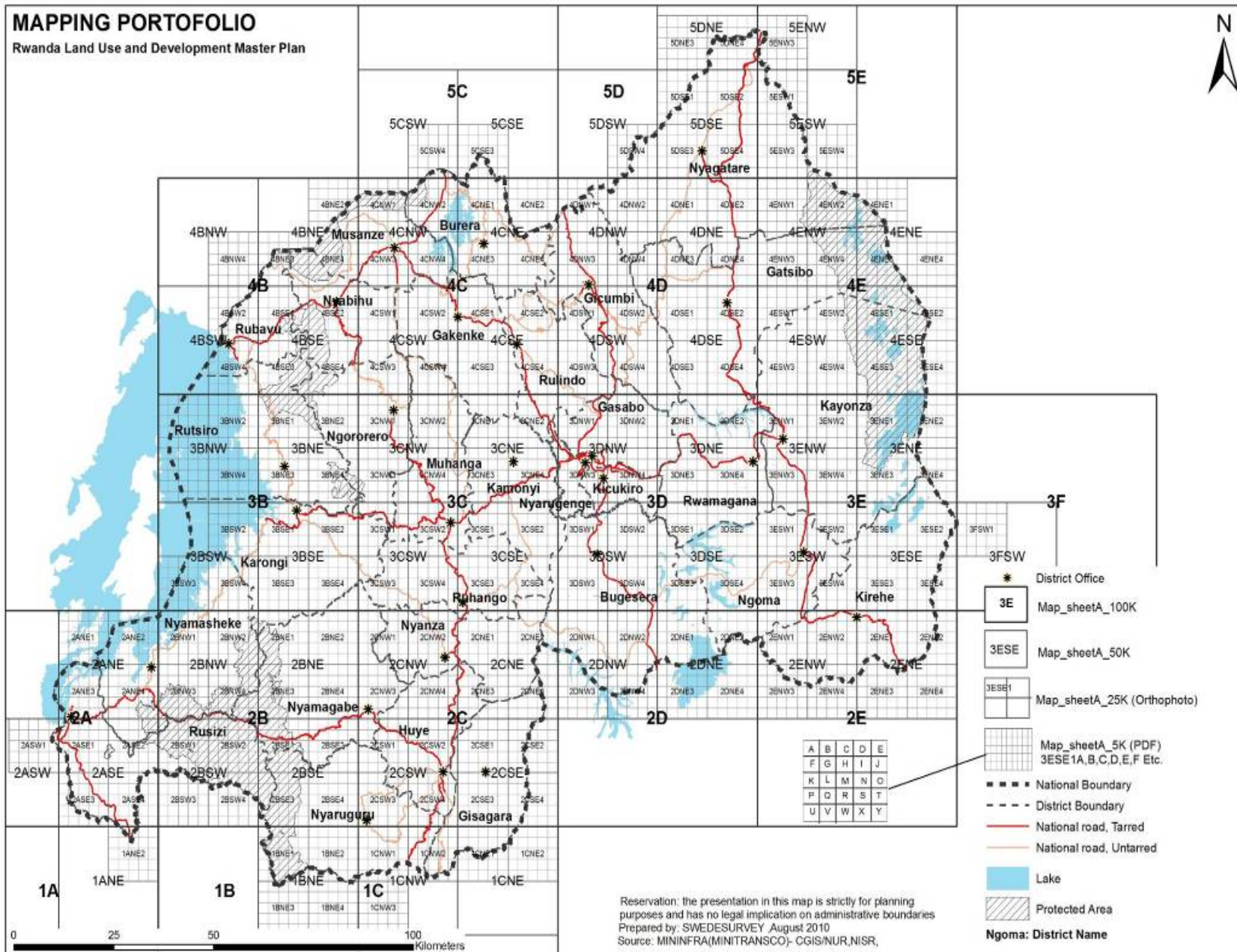
All Districts with Land Use Plan– the first of its kind in Rwanda



CORS – Geodetic Reference Network (8stations)



Rwanda New Basemap

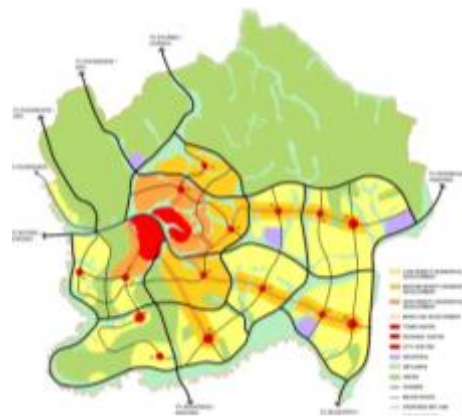


Kigali City Plan over 40 years

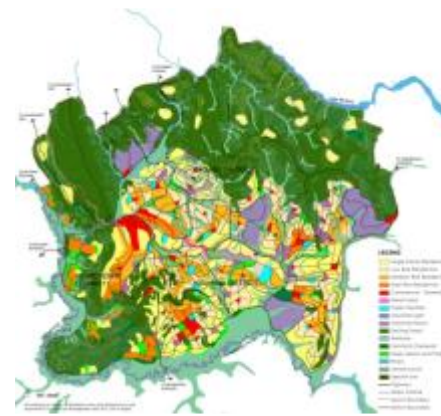
**EXISTING
LAND USE**
in
CITY of **KIGALI**



**CONCEPT
OPTION**
for
CITY of **KIGALI**



**STRUCTURE
PLAN**
for
CITY of **KIGALI**



**ZONING
PLAN**
for
CITY of **KIGALI**



Land Administration and Land Use:

www.masterplan2013.kigalicity.gov.rw

The screenshot displays the 'CITY OF KIGALI MASTER PLAN 2013' Web GIS interface. The browser address bar shows the URL <http://masterplan2013.kigalicity.gov.rw/>. The page header includes the City of Kigali logo, a sun icon, and the text 'CITY OF KIGALI MASTER PLAN 2013' with 'Total Visitors: 1642 (Online Users : 1)'. A 'Login' button is visible in the top right corner. A 'Menu' dropdown is open on the left, showing 'Search' and 'Layers' options. The main map area shows a satellite view of Kigali with overlaid land use zones in various colors (green, yellow, orange, purple). The zones are labeled 'GASABO', 'NYARUGENGE', and 'KICUKIRO'. A scale bar indicates 10km and 5mi. A coordinate display shows X = 333944.7145, Y = -213492.8546. The bottom of the page features the text 'CITY OF KIGALI', 'Language English', and 'A RISING STAR IN AFRICA' with a sun icon. The Windows taskbar at the bottom shows the system tray with the date '10:01 AM 31-Mar-14' and the language 'EN'.

Land Administration and Land Use:

www.masterplan2013.kigalicity.gov.rw

CITY OF KIGALI MASTER PLAN 2013
Total Visitors: 1453 (Online Users : 0)

Menu

Search

Select Cell: KAMASHASHI

Select Parcel ID: 93

Search Results

	OBJECT ID	Parcel ID	WETL
Zone PDF	285154	93	0

Layers

Zone Name: R1A
Zoning: R1A - Mixed Single Family Residential District
Road Type:
Above Ground:
Township: K7
Planning: KANOMBE - NYARUGUNGA PLANNING AREA
Sector Name: NYARUGUNGA
District Name: Kicukiro
Area_Ha (Hectares): 20.0466647213
[Click here to close the information window](#)

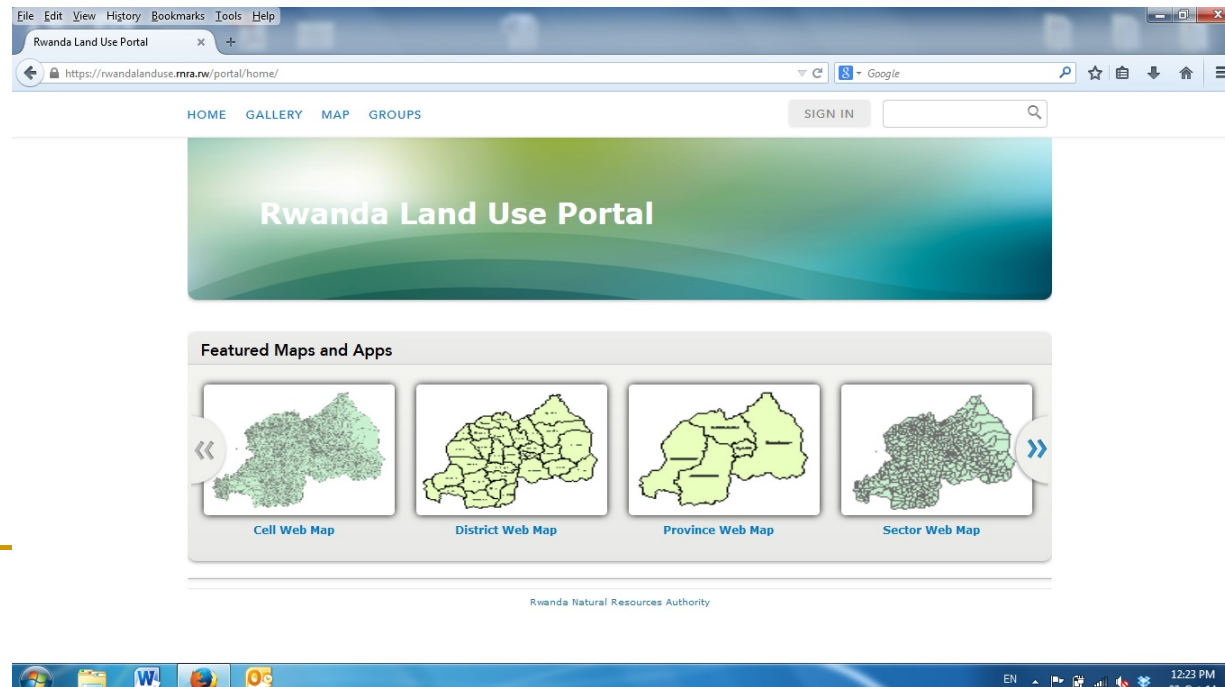
Enter Map Scale: 1719 Set

X = 3357810.4479, Y = -219134.6729

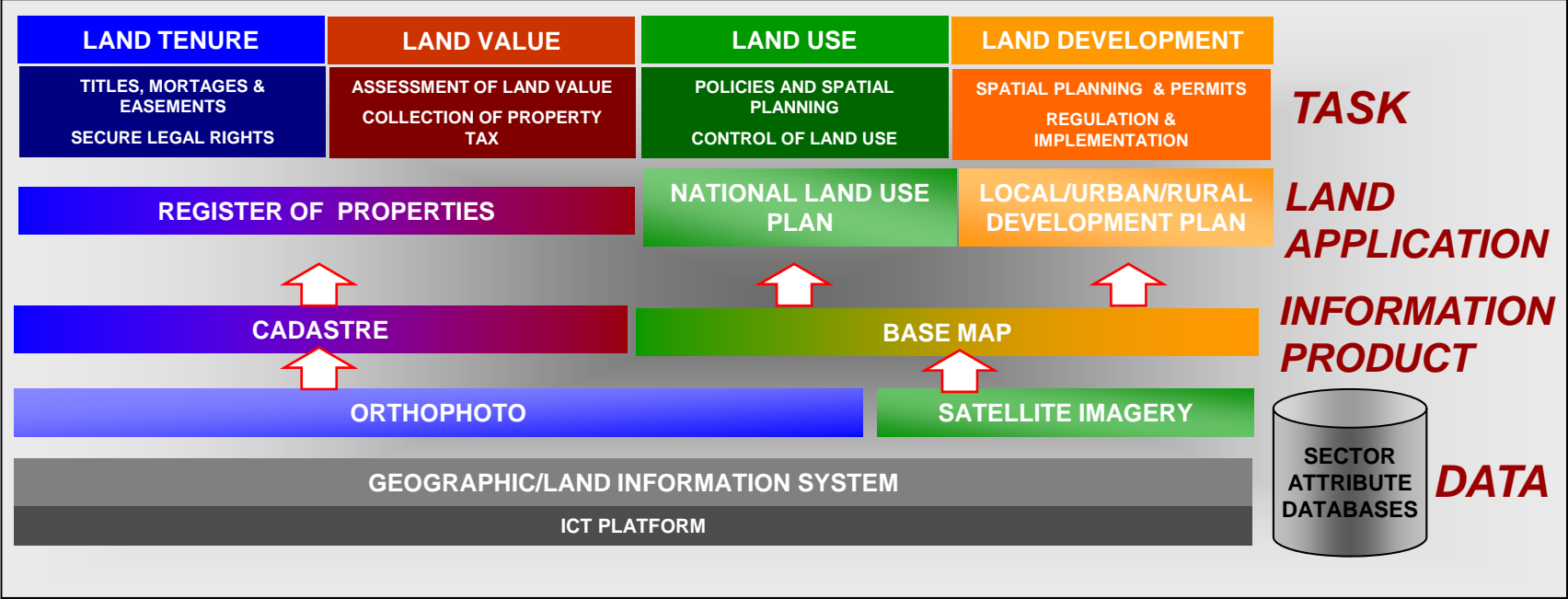
CITY OF KIGALI Language: English **A RISING STAR IN AFRICA**

National Spatial Data Infrastructure

- Inventory of all spatial data
- Creating standards and metadata for all spatial data
- Creation a portal to easy access and exchange/sharing of spatial data (Geonode data portal)
- Development of a Land Use Interactive portal (www.rwandalanduse.rnra.rw)



Adapted from Enemark et al, 2005



WB Doing Business Report 2014

- General ranking: Rwanda is number 32
 - Registering Property
 - Worldwide ranking: Rwanda is number 8 after Georgia (1), New Zealand (2), Belarus (3), United Arab Emirate (4), Armenia (5), Lithuania (6) and Danemark (7)
 - Africa ranking: Rwanda is number 1
 - It takes on average 12 days to transfer land in Rwanda.
-



EDPRS 2: “Shaping Our Development” A Journey to Middle Income Status by 2020



Minister of Finance and Economic Planning

Ideas to take

- Political will for Geospatial information, land administration/registration
 - Policies
 - Laws
 - Institutions
 - Use of un-conventional methods
 - Knowing who owns what and what to do where is important for sustainable cities and human resettlements
 - Collecting tax
 - Protect environment
 - Enforcement of rational land use
 - Land registry maintenance
-

For more information: <http://www.rnra.rw/>

Twitter: [@Lands_Rwanda](https://twitter.com/Lands_Rwanda)

Email: didier.sagashya@rnra.rw

SDG: Sustainable Development Goals

SDG: Sagashya Didier Giscard

THANK YOU VERY MUCH!!

谢谢
