



transforming the way the world works



Fourth High Level Forum on UN-GGIM

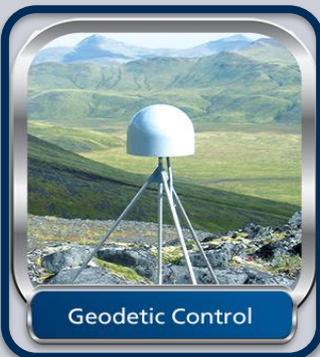
Session 3 – Land Data Elements

April 21, 2016

Key Points

- **Public / Private sector collaboration is essential to effectively support the SDGs**
- **Land Data Elements are driven by purpose and processes**
- **Scalable platform technology with configurable roles and workflows can be leveraged to support sustainable solutions**

Technologies



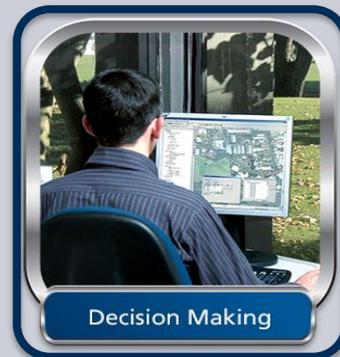
Geodetic Control



Field Collection



Data Processing



Decision Making

Infrastructure
Positioning
Services

Survey
GIS
UAV
Remote Sensing
Spatial Data On-
demand

Cadastral, Survey,
GIS Data
Processing
Photogrammetric
Processing
Automated
Feature Detection
and Processing

Cadastre and
Land Registration
Property and
Asset
Management
Public
Engagement
Visualization

Consulting Services

Assessment, Solution Design, Implementation, Legal/
Regulatory Support, Training, Maintenance, Solution Support

Implementation Services



Legal,
Regulatory,
Standards



Needs
Assessment,
Solution
Design,
Implementation
Plans



Data collection,
conversion,
creation (maps,
documents,
etc.)



Training,
Support

Landfolio, project funding, “pick and choose”

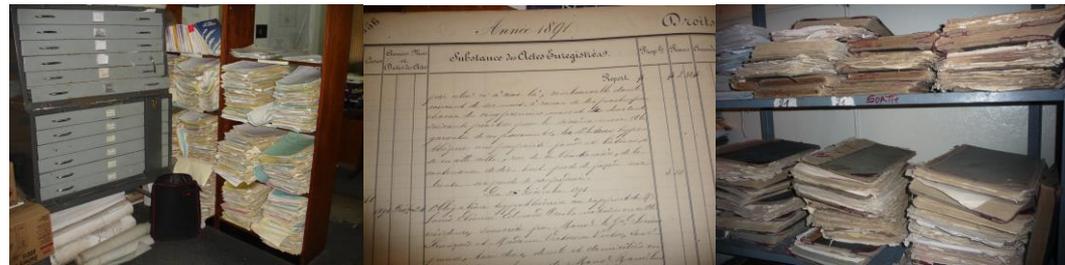
Generally 3 existing states

- **Informal/Social Tenure**

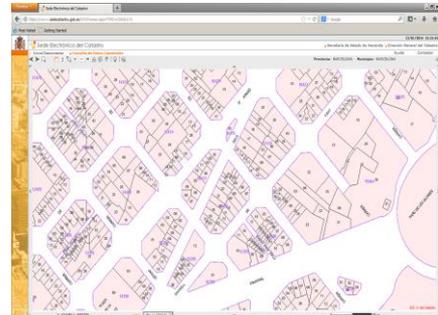


- **Hybrid**

- paper based systems
- partial coverage



- **Formal Systems**

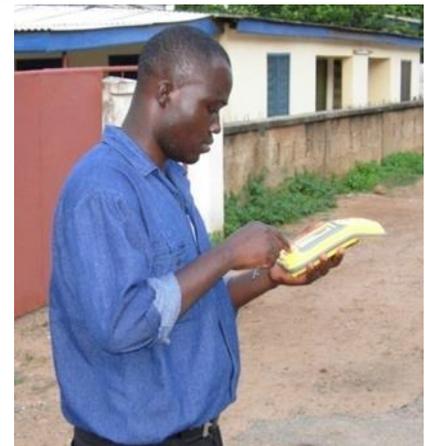
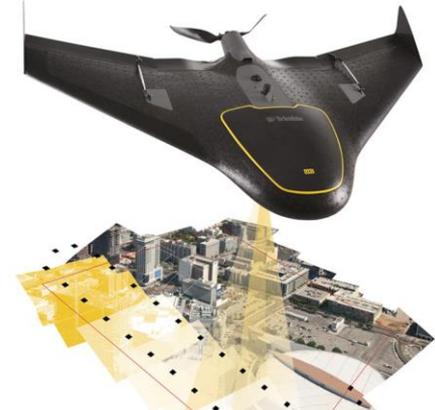
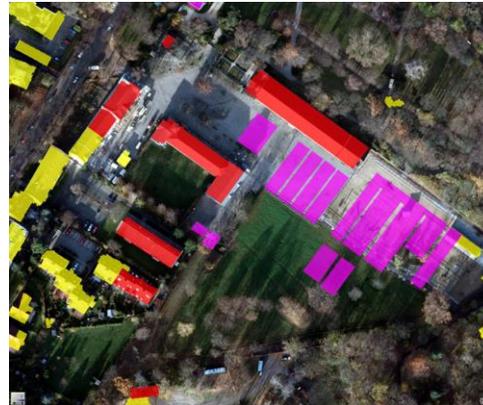


Always a purpose driving funding for Land Administration

- Inclusion, poverty relief
- Systematic titling
- Multi-purpose Cadastre
- Agricultural production & Food security
- IGR
- Modernization for sustainability & efficiency
- Etc.

Processes support the purpose & data elements must support both

- “Fit for purpose” configurable processes
 - Boundary delineation
 - Subdivision
 - Registration
 - Conveyance
 - Valuation
 - Taxation & revenue management
 - Planning and Land Use
 - Permitting and development process



Land Administration platform concept

Public
Services

Analysis

Other
deliverables

Roles

Workflows

Data Elements

Land Admin Platform

GIS

DB

Summary

- **Alternate collaboration and partnership models with private sector should be considered for sustainable solutions**
- **Land Data Elements are dependent on existing information, project purpose, and required Land Administration processes**
- **Scalable platform technology offers significant advantages in sustainability**



transforming the way the world works



Thank you!