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Securing Community Land Rights using a Simplified Land Community Data Model: A Uganda Case Study

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Presentation Outline

Introduction

Current status of the Land Information System

Simplified Land Community Data Model (SLCDM)

Business Process Modelling and Workflow

Mapping and Registration Workflow

Use Cases

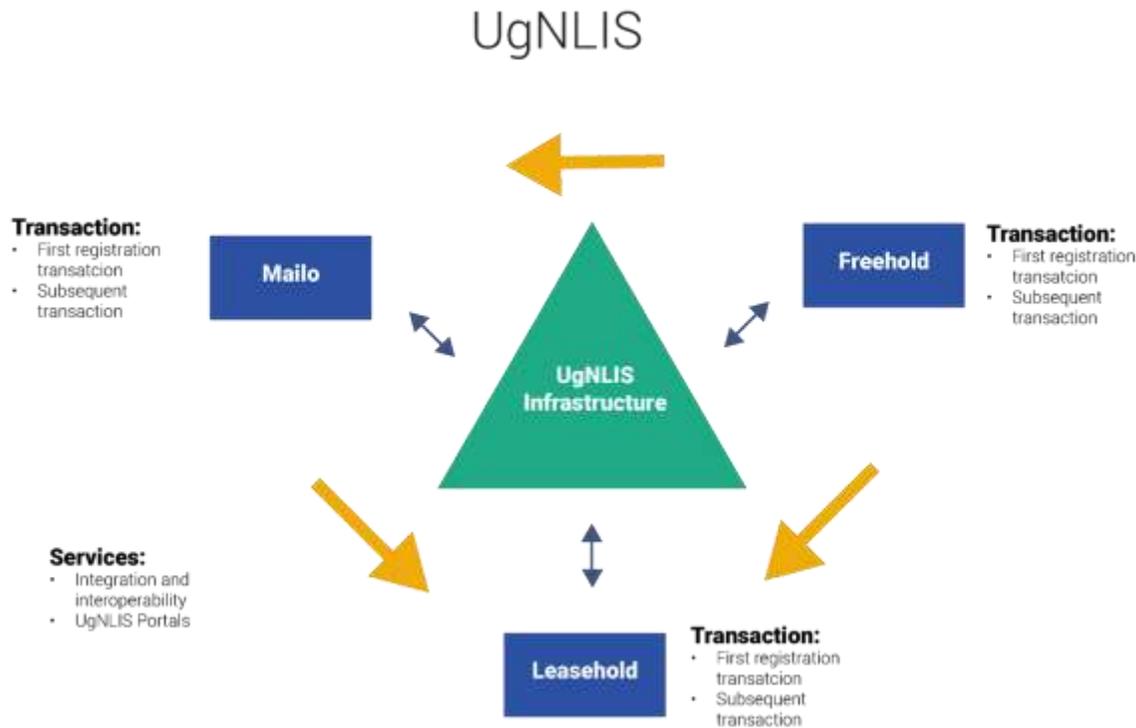
Conclusion

Simplified Land Community Data Model (SLCDM):

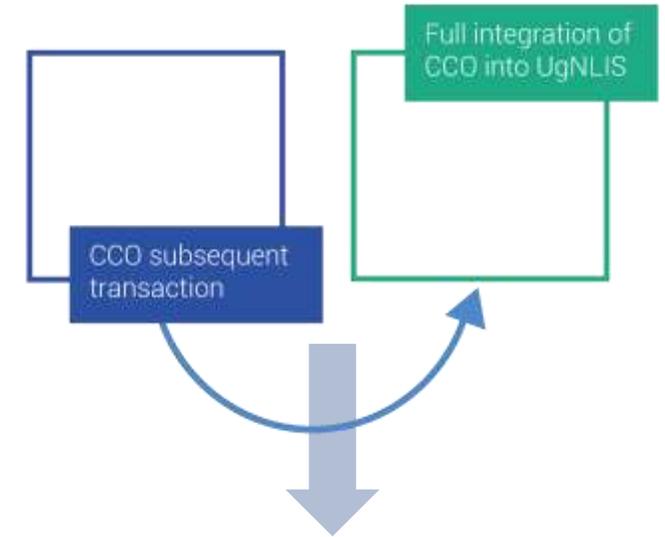
- The registration of customary land rights at the sub-country level
- Integrating land administration, social tenure domain and fit-for-purpose principles.
- Aligning with the local legal and institutional frameworks
- Integration of CCO data into the UgNLIS.
- Use of the emerging technologies, such cloud for land registration management in communities



Current status of the Land Information System

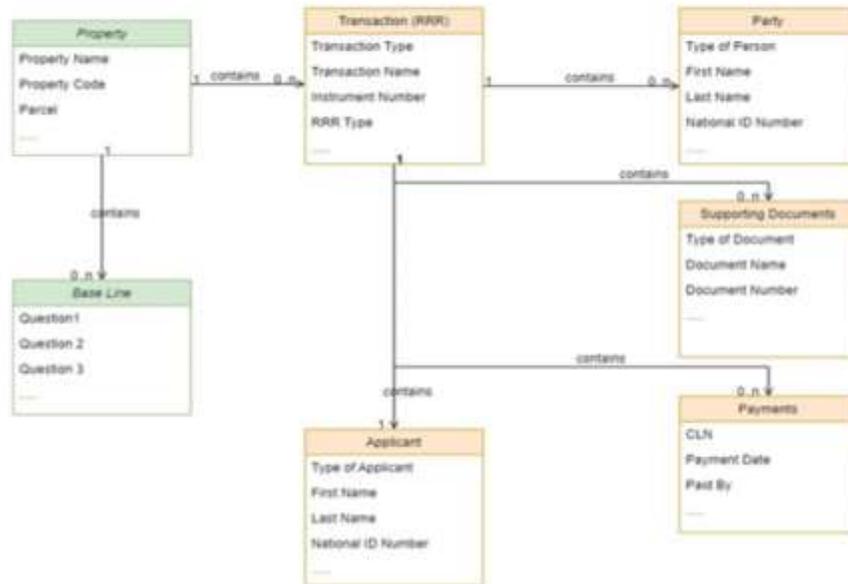


Missing link in the UgNLIS



Simplified Land Community Data Model (SLCDM)

Simplified Land Community Data Model (SLCDM)



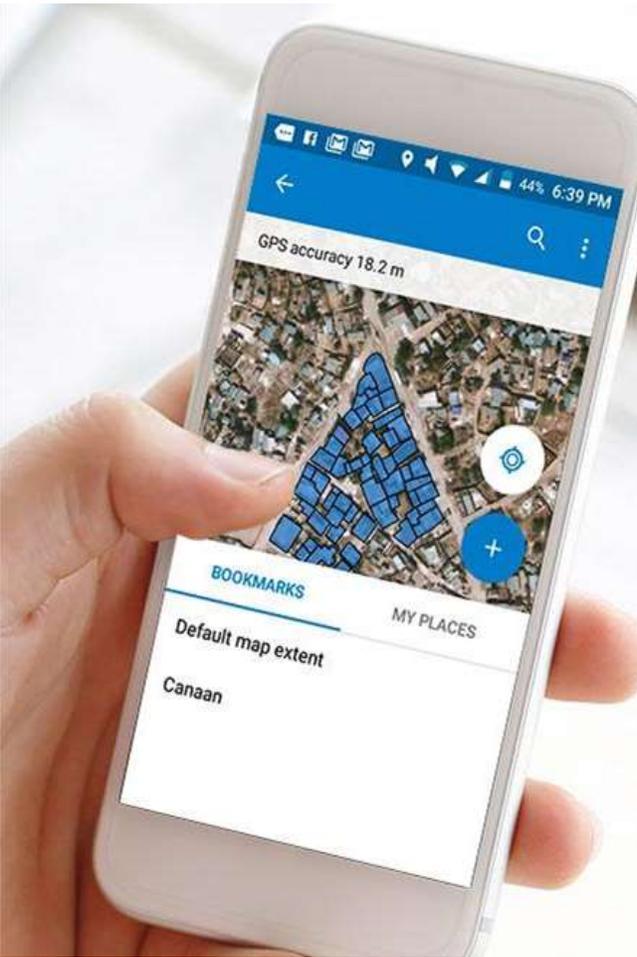
Data Model Principles

- Land Administration Domain Model
- Social Tenure Domain Model
- Fit-For-Purpose Approaches

SLCDM Supports



ACADASTA



Business Process Modelling and Workflow

Data Collection & Mapping | Surveyors can go to the field and gather information (draw parcels) and add data related to the property. Surveyors can add other not associated data to the property in the new entity baseline.

Intake Process | When data can be lodged in the system, and an instrument number is generated.

Recorder | Can review the information and can be modified and add more data.

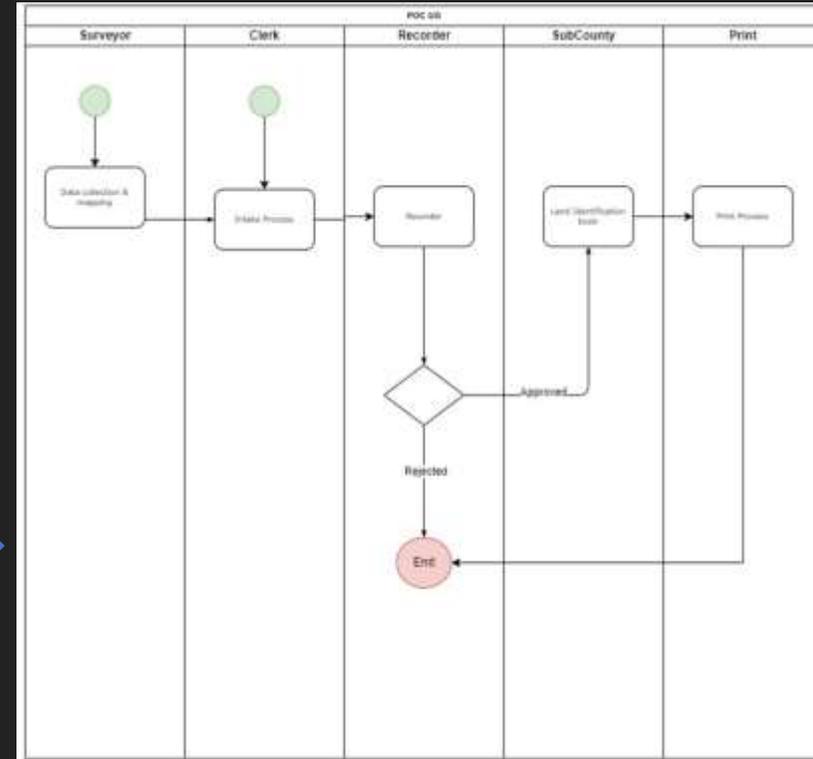
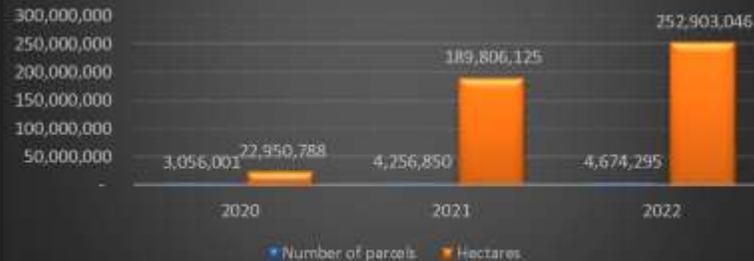
Land Customary Identification Book | The validation stage when information related to the Land Identification book can be filled in.

Mapping and Registration Workflow

Data Captured



Number of Parcels and Hectares registered by the Cadasta Tool



Simplified Land Community Data Model Prototype

Used to test and simplify various aspects of land administration domain model. The prototype includes key features in the final version, such as:

**Recording
land records**

**User
interfaces**

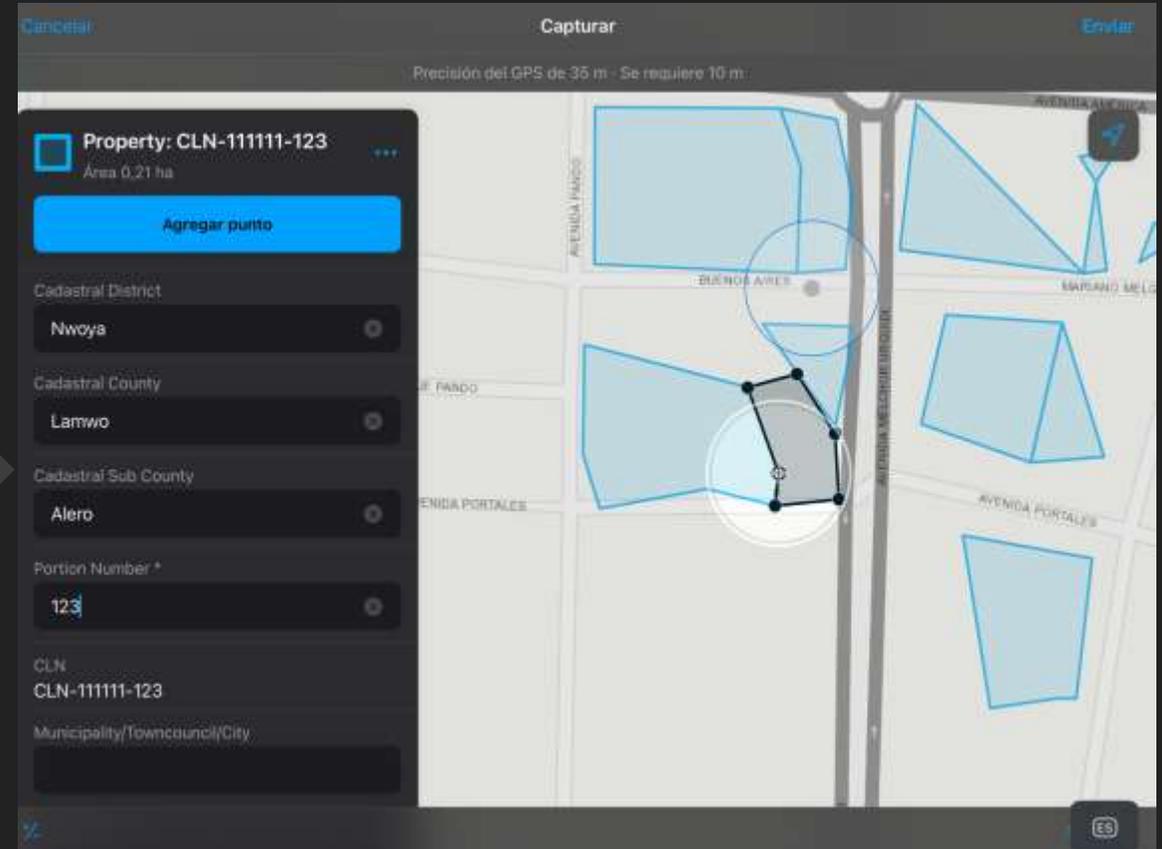
**Security
measures**

Integration with existing systems



User case 1: Subdivision of the Existing Parcel using the Cadasta Tool

Subdivision transaction with the concept of topological integrity constraint to support the reduction of inconsistencies during the updating or modification during the mapping.



Conclusion

Simplified Land Community Data Model has supported,

Documentation and securing customary land rights.

Registration of customary land rights at the sub-county level

Integrating land administration and social tenure domain principles.

Accelerated the rate of Government issued titles for unregistered customary land



Cadasta Future Works

- Improve the data model and approaches
- Ensure the enhanced security of collected customary data
- Support the establishment of the E-Land Registry in Uganda at the sub-county level
- Data integration into the Uganda Land Information System
- Support geospatial information interoperability



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Questions?
Thanks!

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