

STDM : How to help local communities.

For Commission 7

Claire Galpin, Christiaan Lemmen

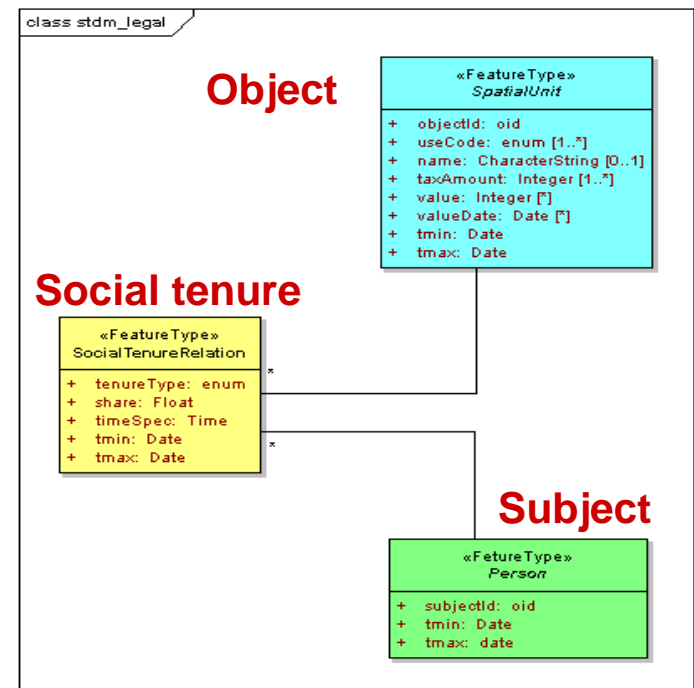
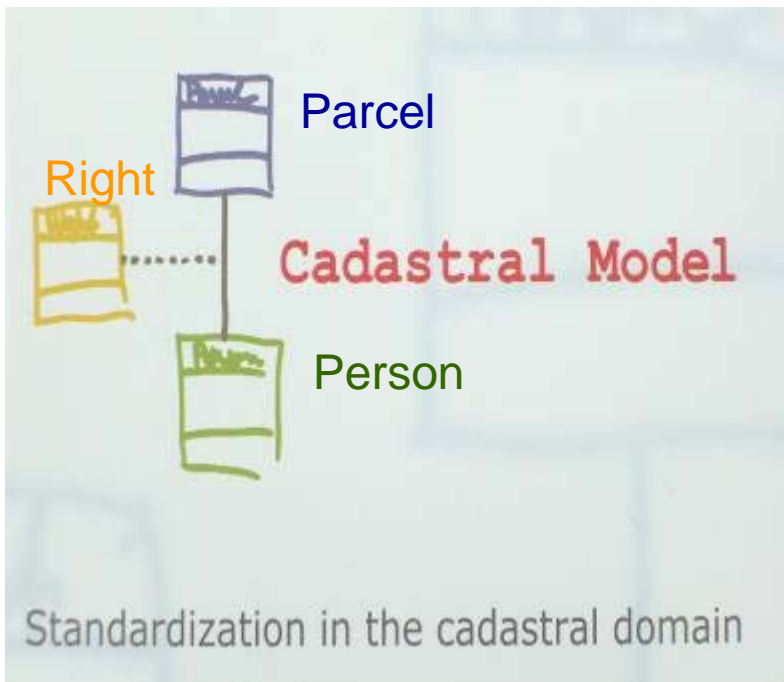
The Social Tenure Domain Model

- It is a search for a domain model that can be used for a LA system that can support all forms of land rights
- Focus on ‘people – land’ relationships
- Built with ‘Free and Open Source’ software
- Motivation: urgent need for rights recognition and improved tenure security
- Impreciseness has to be accepted: insisting on expensive standards is not in the benefit of the poor and government as well
- Specialization of the FIG Land Administration Domain Model basis of ISO 19152.

The Social Tenure Domain Model

Person ↔ Social Tenure Relationship

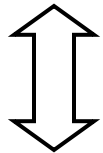
↔ Spatial Unit



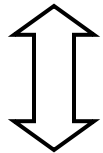
FROM OLD TO NEW CADASTRAL CONCEPT



owner



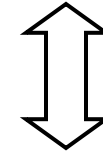
title



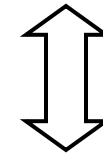
parcel



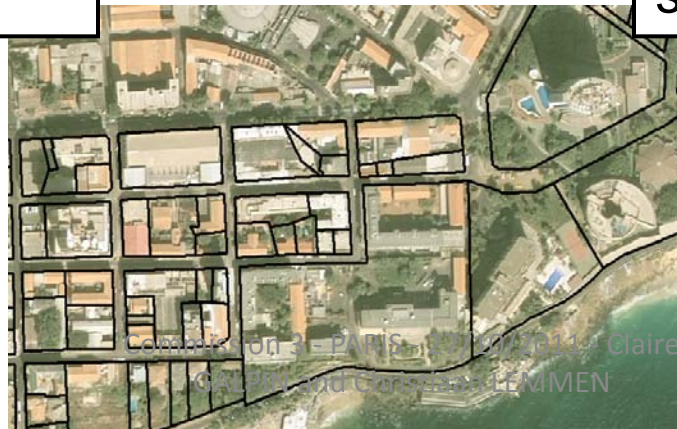
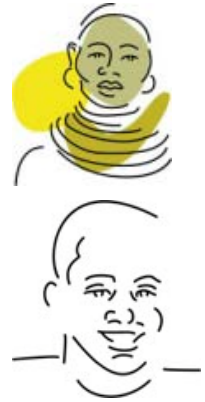
party



relationship



spatial unit



Spatial Units

TYPE

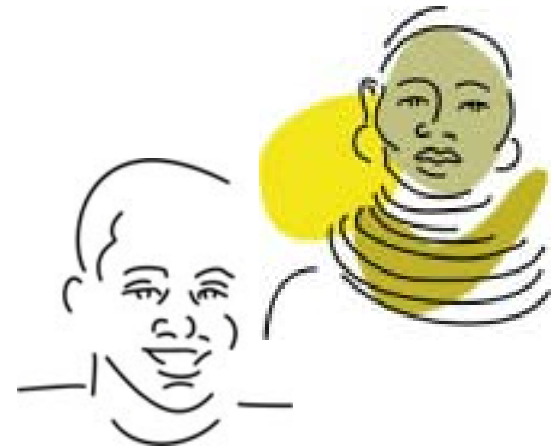
- Parcel
- Apartment
- Building
- Etc << can be extended

REPRESENTATION

- One Point - inside polygon
- One point - street axes
- Set of Lines
- Polygon (from low accuracy to high accuracy)
- 3D Volume
- 4D Time
- Etc << can be extended

Party – Types of ‘Person’

- group with non-defined membership / groupe sans membres définis
- Group /groupe
- Group of groups / groupe des groupes
- Natural Person / personne physique
- Company / entreprise
- Municipality / municipalité
- Co-operatives / coopératives
- Married couple / couple marié
- Ministry / Ministère
- can be extended

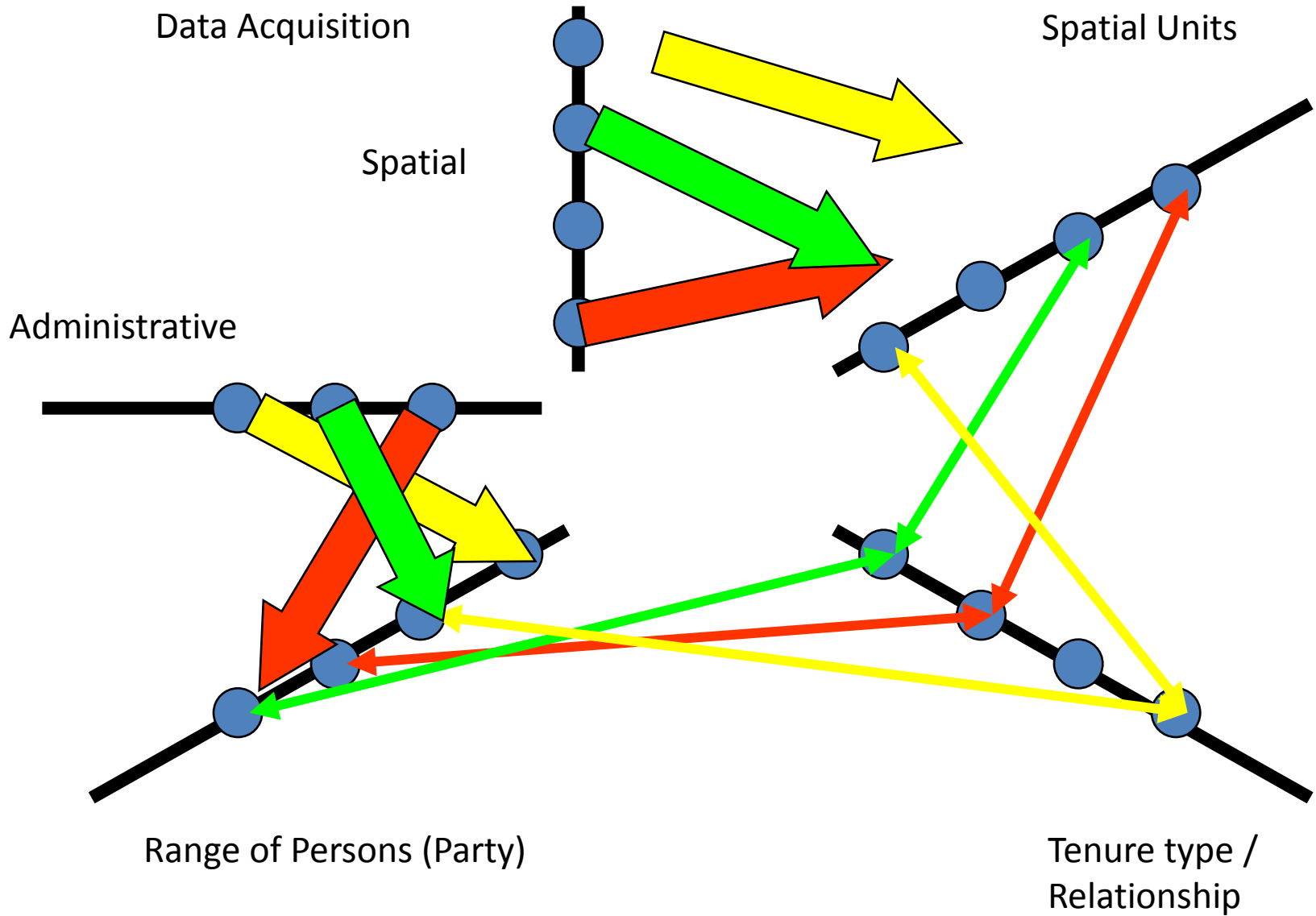


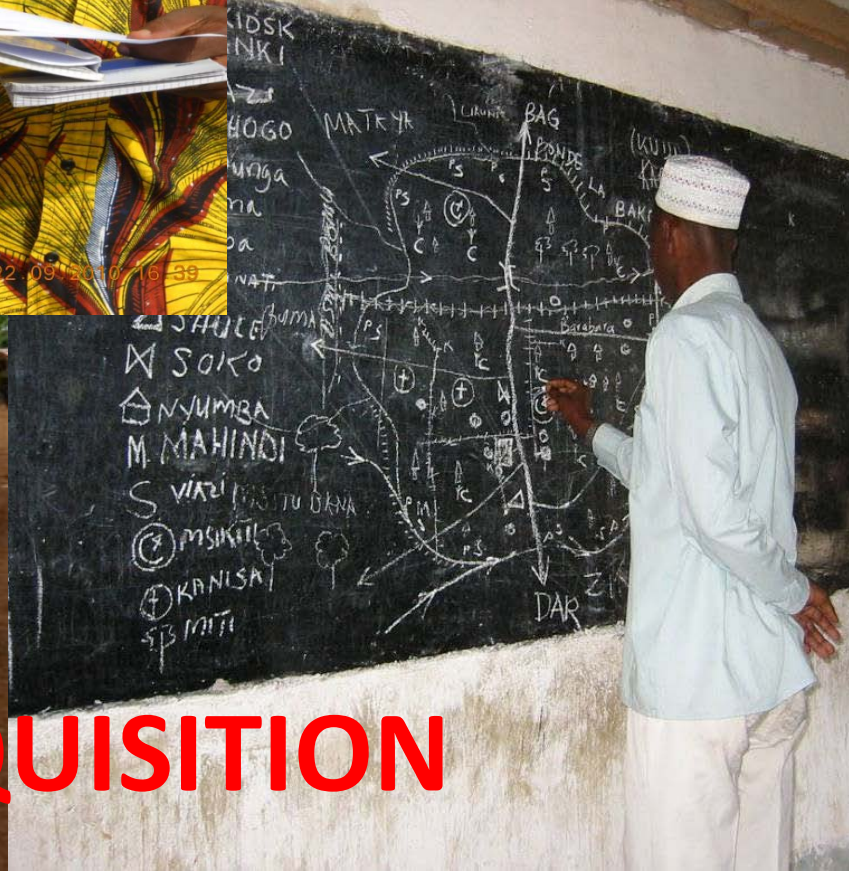
Social Tenure– Continuum of Right

- Ownership / **Propriété**
 - Apartment – Right / **Appartement - droits**
 - Co-operations / **coopératives**
 - Occupation / **occupation**
 - Affectation
 - Tenancy / **location**
 - Possession / **possession**
 - Miri – Milk – Waqf
 - Restriction Types / **types de restrictions, servitudes**
 - State Property / **propriété publique**
 - **can be extended**
- Non-formal and informal rights
 - Customary Types,
 - Indigenous Rights
 - Tenancy
 - Possession / **possession**
 - (Certificate of) Comfort
 - Disagreement / **désaccord**
 - Overlap / **superposition**
 - Uncontrolled Privatisation / **privatisation incontrôlée**
 - Conflict situations / **situation de conflits**
 - **can be extended**

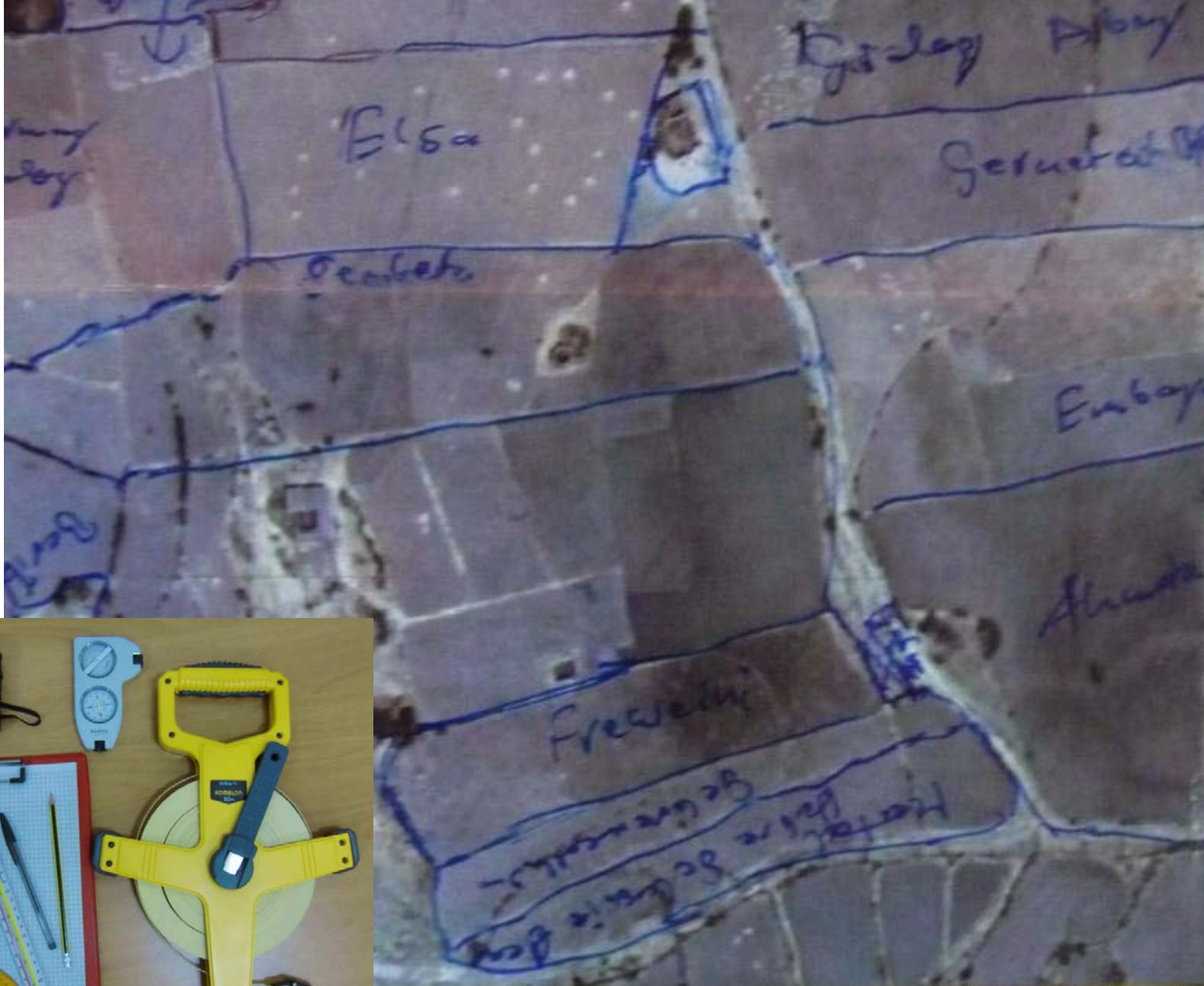
STDM - broaden the scope of land administration

- pro poor land tool
- land information management framework that would integrate formal, informal, and customary land systems and integrating administrative and spatial components
- facilitate recording all forms of land rights, all types of rights holders and all kinds land and property objects / spatial units regardless of the level of formality



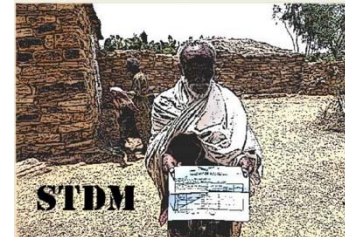


DATA ACQUISITION



Commission 3 - PARIS - 27/10/2011 - Claire GALPIN and Christiaan LEMMEN

STDM spatial unit



STDM 0.8

Spatial Unit

Information Management
- Preferences
- Reference maps
- Data Collector
Data Acquisition
- Persons
 - Natural
 - Non Natural
- Source Document
- Spatial Unit
- Social Tenure Relationship
... Printing

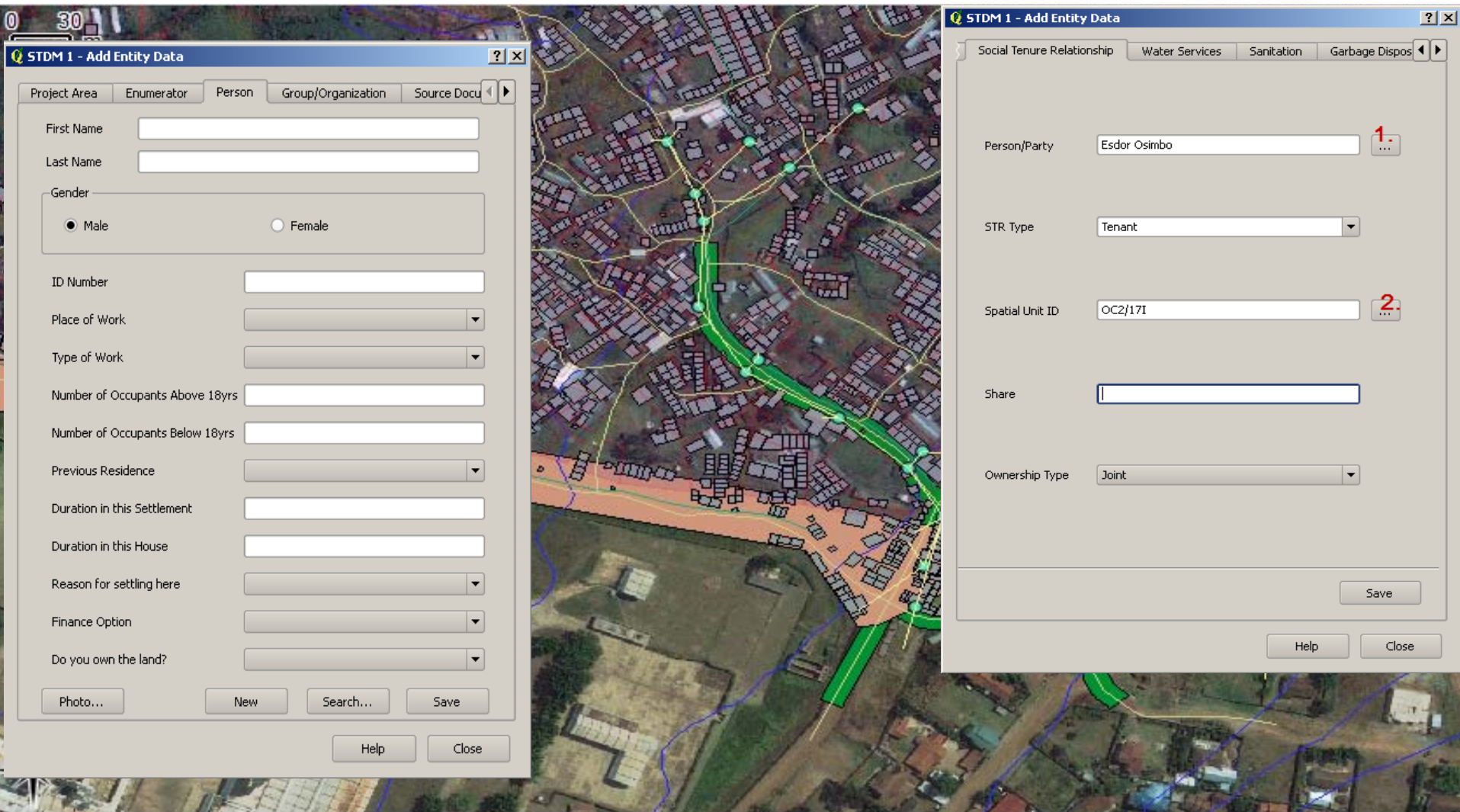
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Field ID: FP22
City: Kebele1
Tax amount: 0
Value: 0 Value Date:
Area: 0
Layer Type: Ownership boundaries
Spatial unit type: Line based parcel
Type of Use: Agricultural
Data source: + Open
Photograph:

Validity: 4 12 2009 Until

New Commit
Find Remove

Close

STDM Intermediate Version



Land certificate in Burundi





FIG PUBLICATION
NO 52

FIG REPORT

The Social Tenure Domain Model A Pro-Poor Land Tool



More
information
FIG
Publication
n°52



THANK YOU FOR YOUR ATTENTION

