## Pro Poor Land Administration

Christiaan Lemmen (Kadaster, The Netherlands)
Jaap Zevenbergen (University of Twente/ITC, The Netherlands)
Stig Enemark (Aalborg University, Denmark)

XXV FIG Congress Kuala Lumpur, Malaysia June 18th , 2014







## LAND ADMINISTRATION ISO 19152:2012

Process of determining, recording and disseminating information about the relationship between people and land



## Slums



6

## **Customary Areas**





7

## Private Land

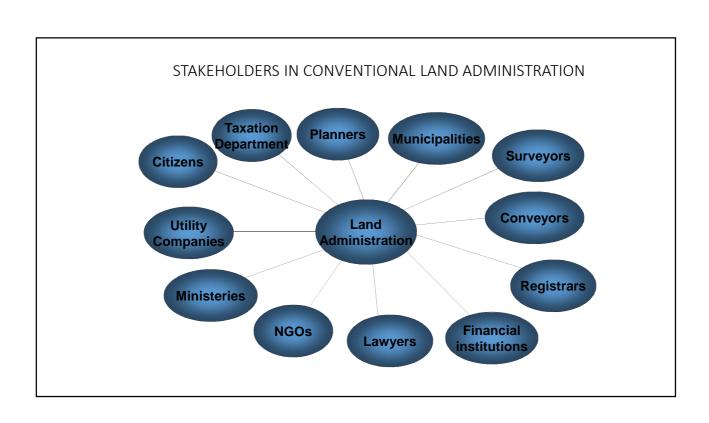


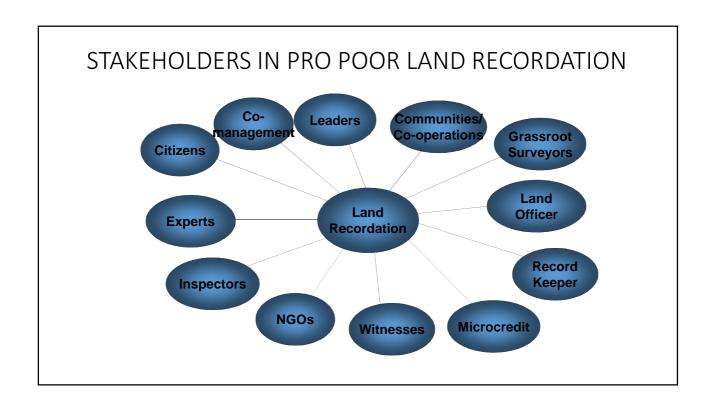
8

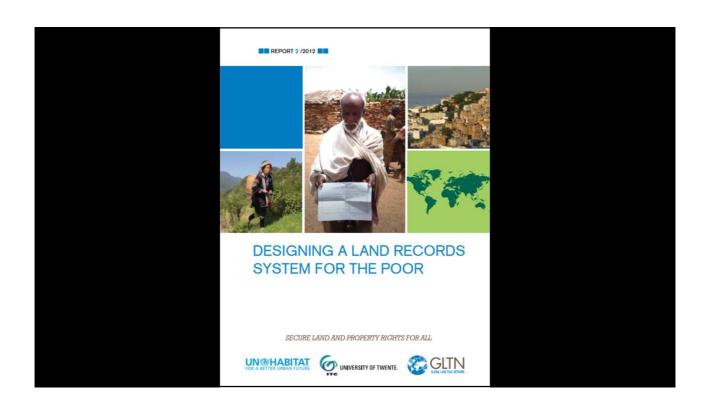
## State Lands



9







# PRO POOR LAND RECORDATION: SYSTEM REQUIREMENTS - AUGUSTINUS

- Formal and informal tenure systems in one environment
- Representation in existing geodetic networks and in new spatial frameworks
- Different source data with different accuracies
- Participatory approach
- Gender
- Full and equal access to land information
- Different types of spatial units and identifiers
- Accommodate an overlap between different tenures on the Spatial Unit
- Linking all types of attributes and identifiers supported

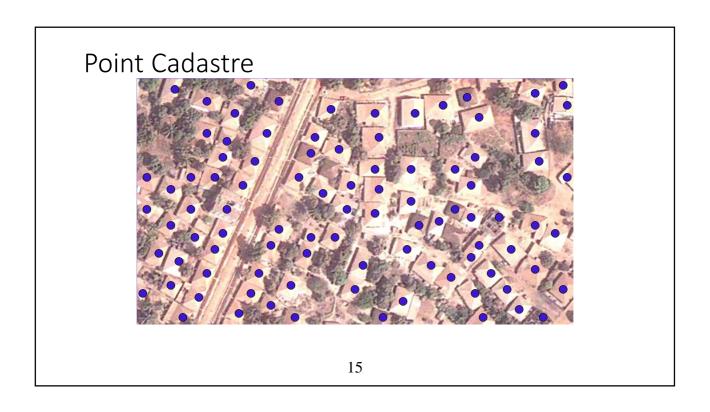
## **Open Data Sources**









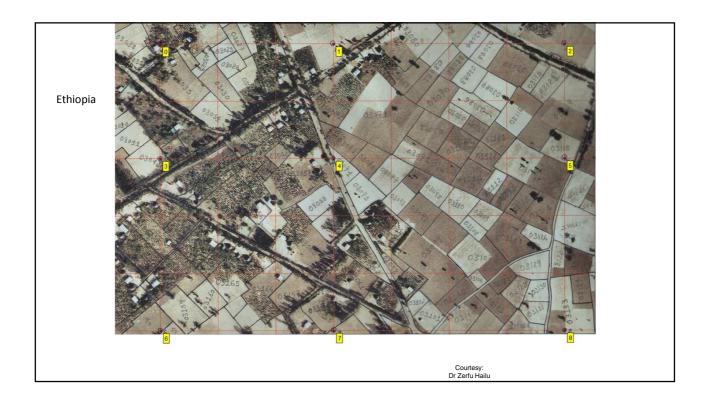










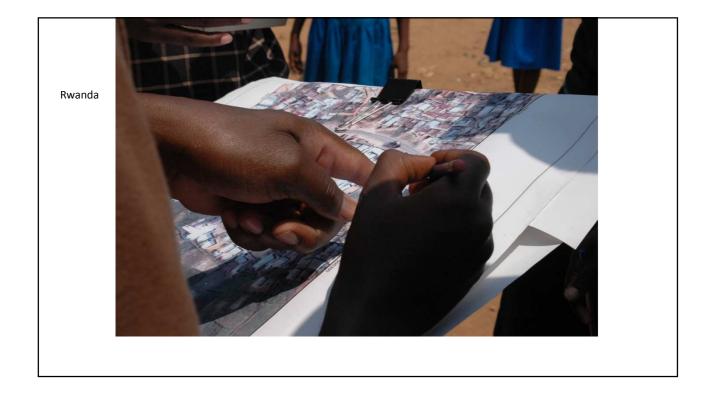


Rwanda



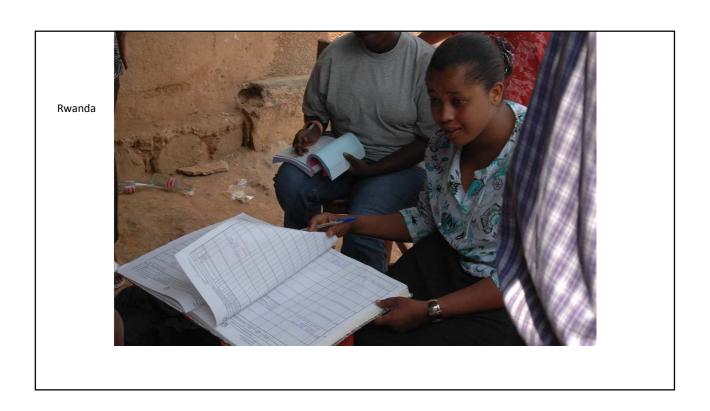




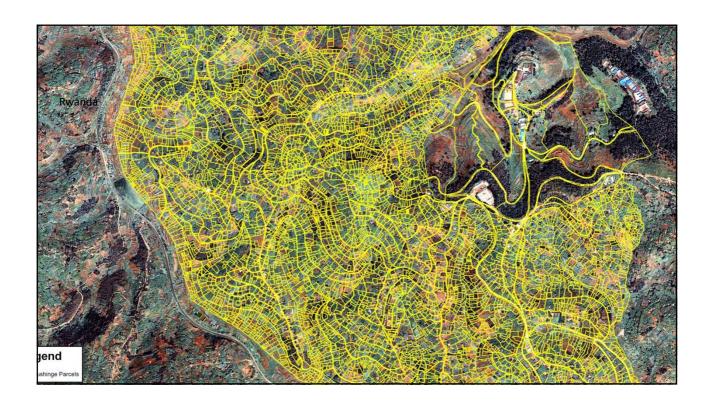
















### MINISTRY OF LANDS AND RESETTLEMENT

Certificate No: CCLB-000001

Form 2

CERTIFICATE OF REGISTRATION OF CUSTOMARY LAND RIGHT As in the Communal Land Reform Act (Section 25, Regulation 5)

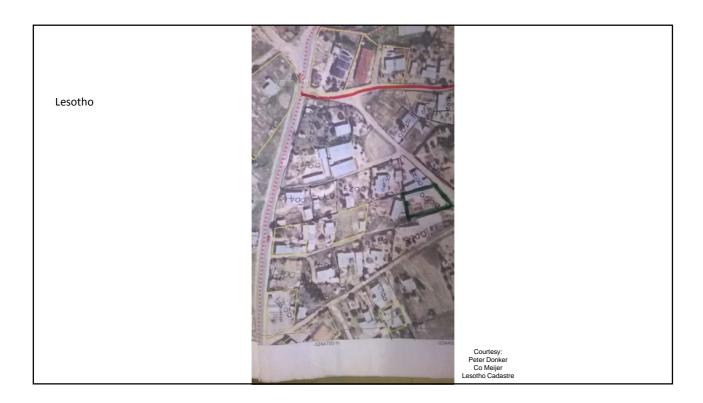
#### IT IS HEREBY CERTIFIED THAT

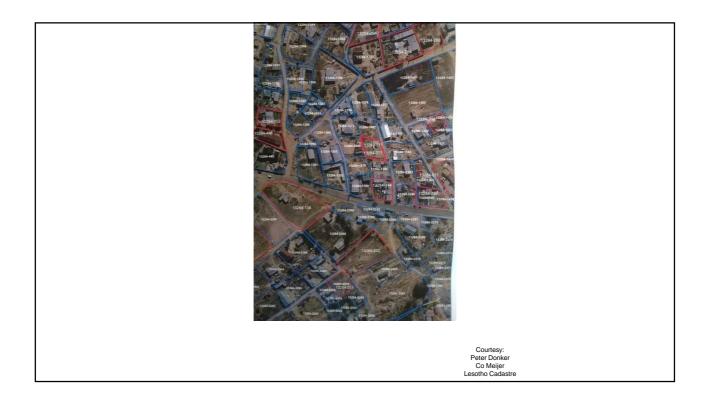
### Farming (Crop)

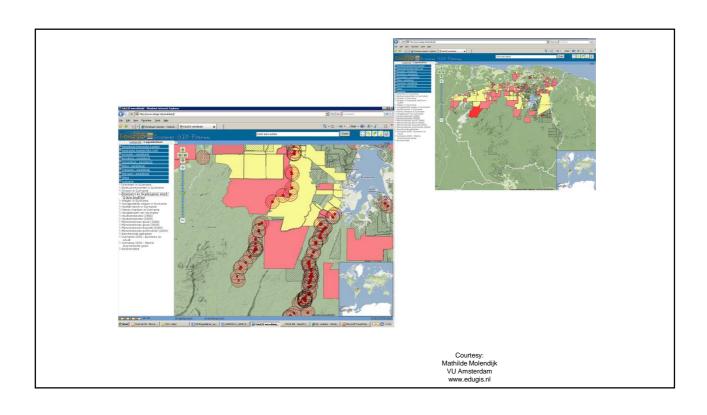
(description of customary land right which has been allocated as described on the back)

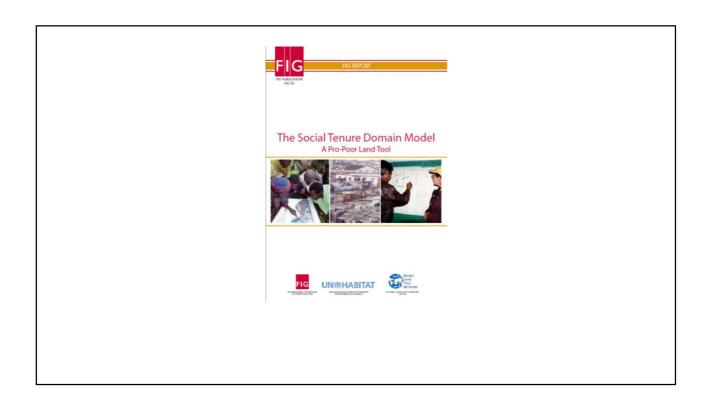
has been allocated to

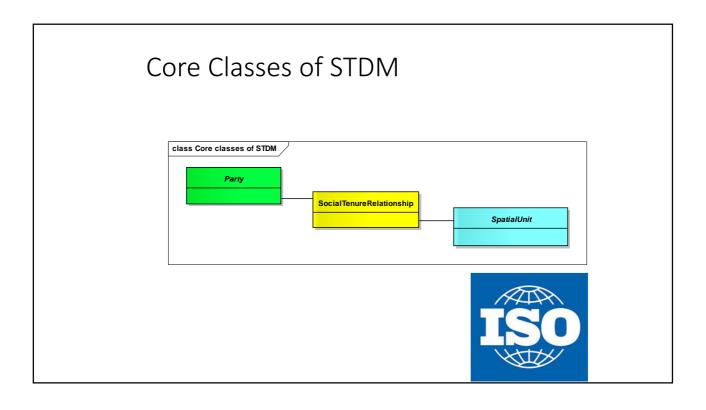












## All People to Land Relationships

- Formal
- Informal
- Customary
- Indigenous
- Occupation
- Land use
- Religious
- Pastoralist
- Grazing, Fishing

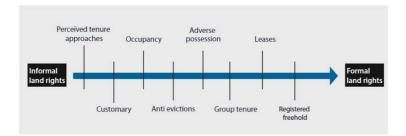
- Marine
- Mining
- Forestry
- Road access
- Restrictions
- Responsibilities
- State, government
- Nature
- Water

#### CONTINUUM....

- Parties
- Land Rights; Social Tenure Relations
- Credit Rights
- Spatial Units
- A range of data acquisition methods
- Recording systems
- Goals
- And: Surveyors

39

# STDM supports the management of different tenures in one environment







## Thank you

- www.gltn.net
- www.worldbank.org
- www.fao.org
- www.oicrf.org
- www.fig.net
- www.cadastraltemplate.org

