



Presented at the FIG Working Week 2023,
28 May - 1 June 2023 in Orlando, Florida, USA

FIG WORKING WEEK 2023

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Protecting
Our World,
Conquering
New Frontiers

Empowering Communities in the Global South with Geospatial Technology for Sustainable Development

Amy COUGHENOUR BETANCOURT, USA
Wambayi WABWIRE, Kenya
Rudo KEMPER, USA



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Protecting Our World, Conquering New Frontiers

Cadasta is the world's leading global land technology and services platform. Our tools empower vulnerable communities to affordably and easily document, map, and secure inclusive land and resource rights at scale for a more sustainable and equitable planet.

Our vision is audacious:

By 2040, Cadasta will catalyze land systems change, leading to inclusive land and resource rights for half the world's one billion tenure-insecure people.



Welcome to the Cadasta Impact Dashboard!

The map in the center shows **all of the countries** in which Cadasta is working. Click on any country to see the list of projects and click on the link to each project to see more details. *Please note that some projects have undisclosed information due to partner privacy settings.*



Esri, FAO, NOAA, USGS

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HOUSEHOLDS



PEOPLE

6,399,211

* estimated based on number of households and an average of 6 people per household. See Notes tab for more details.

LAND DOCUMENTS ISSUED

 179,415

PARTNERS

101

PROJECTS

141

COUNTRIES

 47

PARCELS

 405,744

NUMBER OF GOVERNMENTS

 29

HECTARES

 21,777,219

GENDER OF HOUSEHOLD



COMMUNITIES

 4,264



Geospatial Revolution & Community Empowerment

Opportunities

- Connectivity
- Enablers
- Engagement
- Collaboration

Challenges

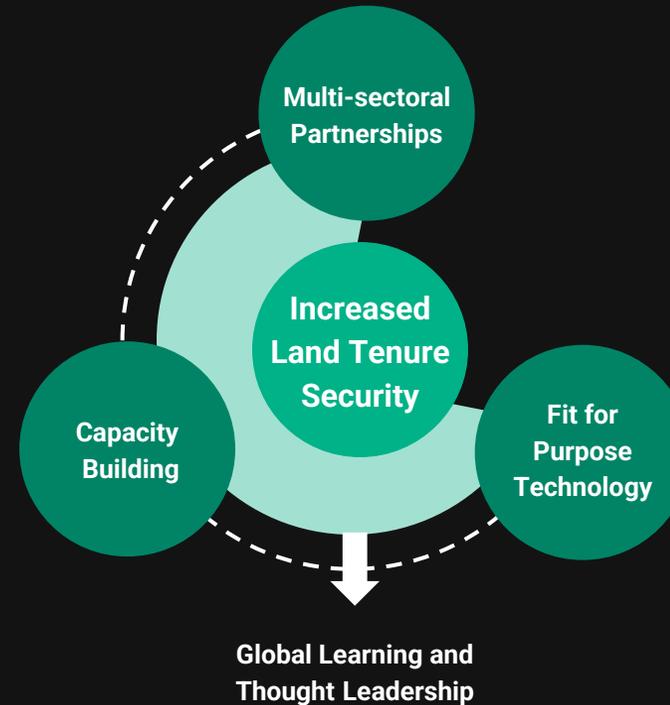
- Capacity
- Cost
- Security
- Requirements
- Sustainability

Cadasta's Approach

Community members are active participants in every aspect of land documentation. They are empowered through training, mapping, and co-creating data that supports their objectives.

Three Case Studies

- Uganda Customary Land
- Kenya Indigenous Land
- India Forest Land





Uganda Case Study Certificates of Customary Ownership (CCOs)

Problem:

85% of land in Uganda is customary and undocumented

Request:

Fit-for-purpose technology and services to implement customary land regularization with more efficient, cost-effective, and sustainable spatial and social data collection methods

Partners:

Ministry of Land, Housing, and Urban Development (MoLHUD)

District Land Boards

Area Land Committees

Ujaama Tribe

Timeline

2018-2019

Pilot: 250 parcels, Buliisa District

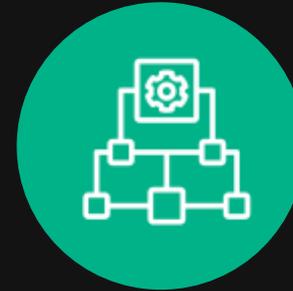
2020-2021

700 parcels, Namutumba District, 600 CCOs

2021-2022

4,000 parcels, Maracha, Apac, Agago, 3,500 CCOs Nwoya, Terego, and Moroto, Nabilatuk and Amdat (with other NGOs), 1,200 CCOs

Total: 5,228 CCOs issued across four provinces, nine districts, 1,229 pending approval



Technology Approach Community Approach

Outreach

Training

Data Collection

Verification

Social Inclusion



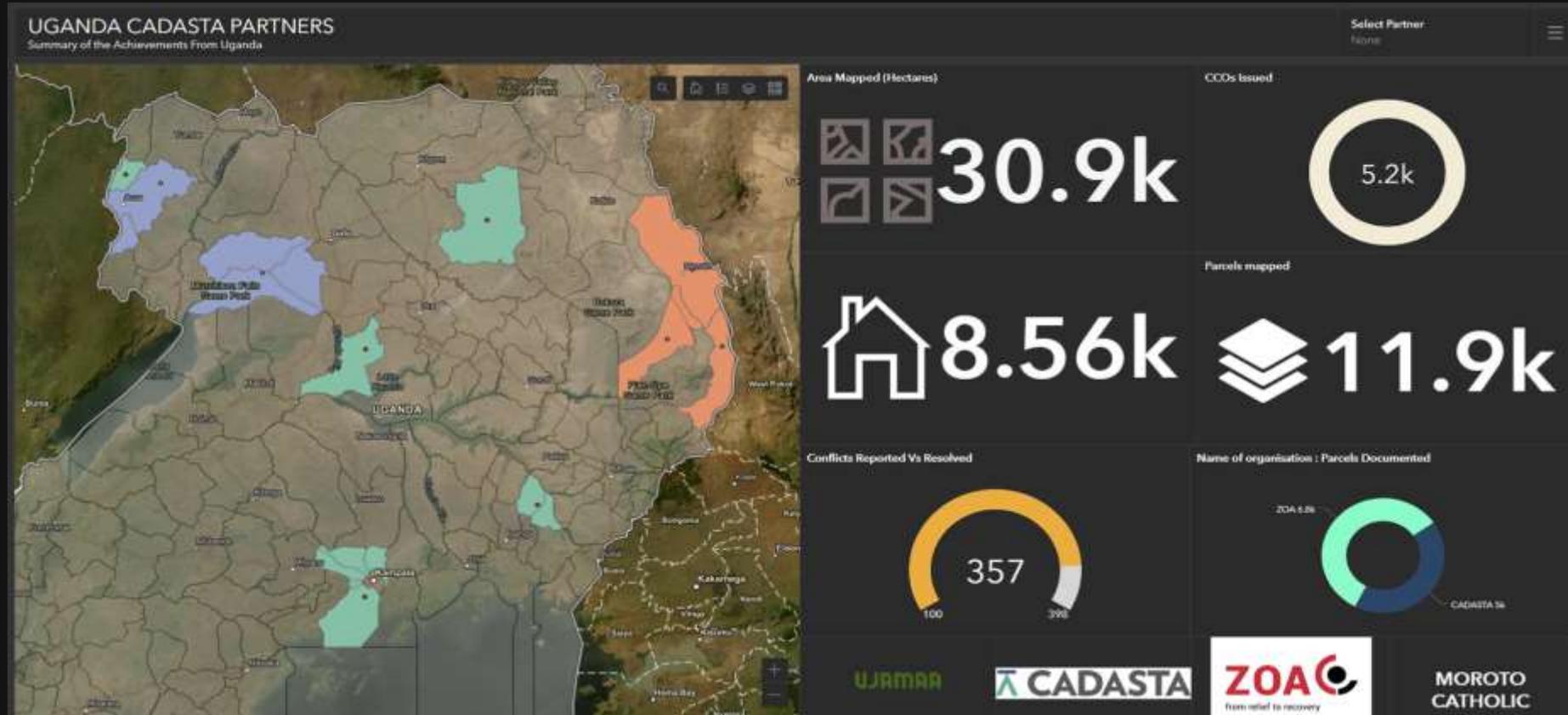
Other Results:

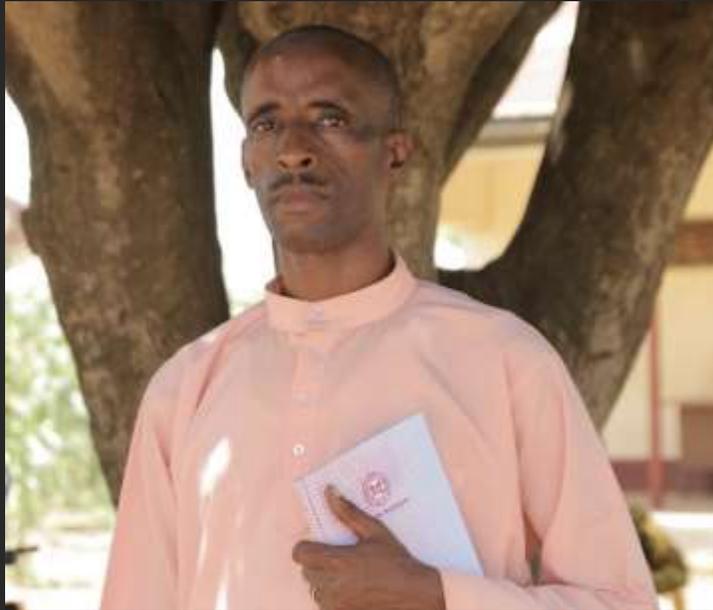
- **Improved time and cost of data collection**
\$350 over 60 days to \$30 over 21 days
- **Increased gender equality**
40% women-held titles; 30% jointly held
- **Increased government buy-in and support**
Personnel, transport, fee waivers, oversight, advisory and technical support
- **Increased land tenure security**
Anecdotal, research underway

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George Kabagambe

**Former Chairman of the Area Land Committee
and CCO Recipient | Ivukula, Uganda**

"I am so grateful for Cadasta and the Ministry of Lands for the great work done in our community. There has been so much joy in the community because of your work, we did not know that this process could be so simple and yet yield results. Those in the community who received their titles have gone ahead to start making developments on their land and these developments benefit the entire community. On behalf of the people of Ivukula sub county, Thank you and you are always welcome to our community."



Final Thoughts

- SDGs require local data empowerment
- Technology approach must meet needs
- Local stakeholders are equal partners
- An inclusive approach is key

Want to learn more?

- Read the paper for case studies on India and Kenya
- Visit Cadasta.org



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Thank you!

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