BRINGING FORMALITY TO THE INFORMAL
Our Goal is Simple Yet Bold

Our mission is to build a transformative global ecosystem of partners, technology, and data to protect land and resource rights.

We do this work in order to support communities and citizens by allowing the direct capture and documenting of land and resource rights and the posting of such evidence on a global platform that is secure, cost effective, and transparent to all.
Issues and Common Challenges in Land Information Systems

• Lack of trained and compensated govt. staff (too few land professionals);
• Poor or incomplete formal data;
• Solutions for documenting land information are often designed for urban, colonial elite;
• Formal & informal costs for registering property are often times prohibitive;
• Systems not accessible for rural poor or urban informal settlements;
• Difficult to budget for recurring hardware and software fees/maintenance.
Undocumented land and resource rights: 70 - 80% globally

Lack of transparency and accountability in formal systems
Impacts of Lack of Secure Property Rights

- Infrastructure Upgrades
- Access to Credit
- Agricultural/Business Decisions
- Threat of Eviction
- Home Improvement Decisions
- Land Conflict
- Identity
How to Address?

- Recognizing that Governments and Land Professionals can’t keep up with demand
- Volunteered Geographic Information
- OpenStreetMap – 45k active contributors per month, with 5.6 Billion points added on April 11th 2017

Data Migration

Migration of Existing Data
Provide technology to empower communities and other partners to record land rights, introduce alternative service delivery models and facilitate government capacity to expand land right benefits using open source geospatially enabled tools.

**TECHNOLOGY**

**DATA**
# Types of Data
- Water Rights
- Minerals & Mining
- Occupancy
- Forest & Lumber
- Ag. Concession
- Grazing & Hunting

# Types of Media
- Photos of property and right holder(s)
- Audio/Video recordings of agreements and rights descriptions
- Scans of historical records & evidence

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**Manage More Than Just Your Spatial / Registry Data**

Cadasta database schema contains tables to store information about parcels, parcel history, surveys, relationships, relationship history and media. The ability of the platform to house additional, rich content empowers users to document more than just occupancy data. We encourage all users to consider including contextual metadata and other details which may be helpful in documenting land right information.
Access To Imagery Powers Documentation

Cadasta is committed to helping make high resolution imagery available to our partners and community via our cloud-based platform.

- Visualize large areas
- Contextualize claims
- Include multiple perspectives
- Increase remote accessibility
- 'Accurate enough' data
- Reduce technical barriers
PEOPLE BEFORE DATA - YOU MAINTAIN CONTROL OF YOUR DATA

- Store data in a private and secure way
- Communities retain ‘ownership’ of their data
- Projects and data can be made public
- Users decide who can view and change records
Uptake: Justice Empowerment Initiative

- Slum/Shack Dwellers International affiliate in Lagos & Port Harcourt
- Tenure profiling of informal urban settlements
- Convert data from paper forms for 20-30 communities
- Adopt ODK field data collection in September for ≈100 communities

Source: JEI
Uptake: NAMATI

- Training on platform and collection tools, and initial data collection with customary and pastoral groups
  - Ogiek Peoples Development Programme
  - Kivulini Trust
  - Kenya Land Alliance
- Exploring expansion into Zambia with PDLA
Uptake: Seed Change

- Tanzania: Created a transparent supply chain for smallholder palm oil farmers Landesa, USA & India
  - Developed a tailor-made digital questionnaire to document farmer’s land rights and resources;
  - Gathered data from nearly 500 households.
THANK YOU!

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