ᴛ CADASTA

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.
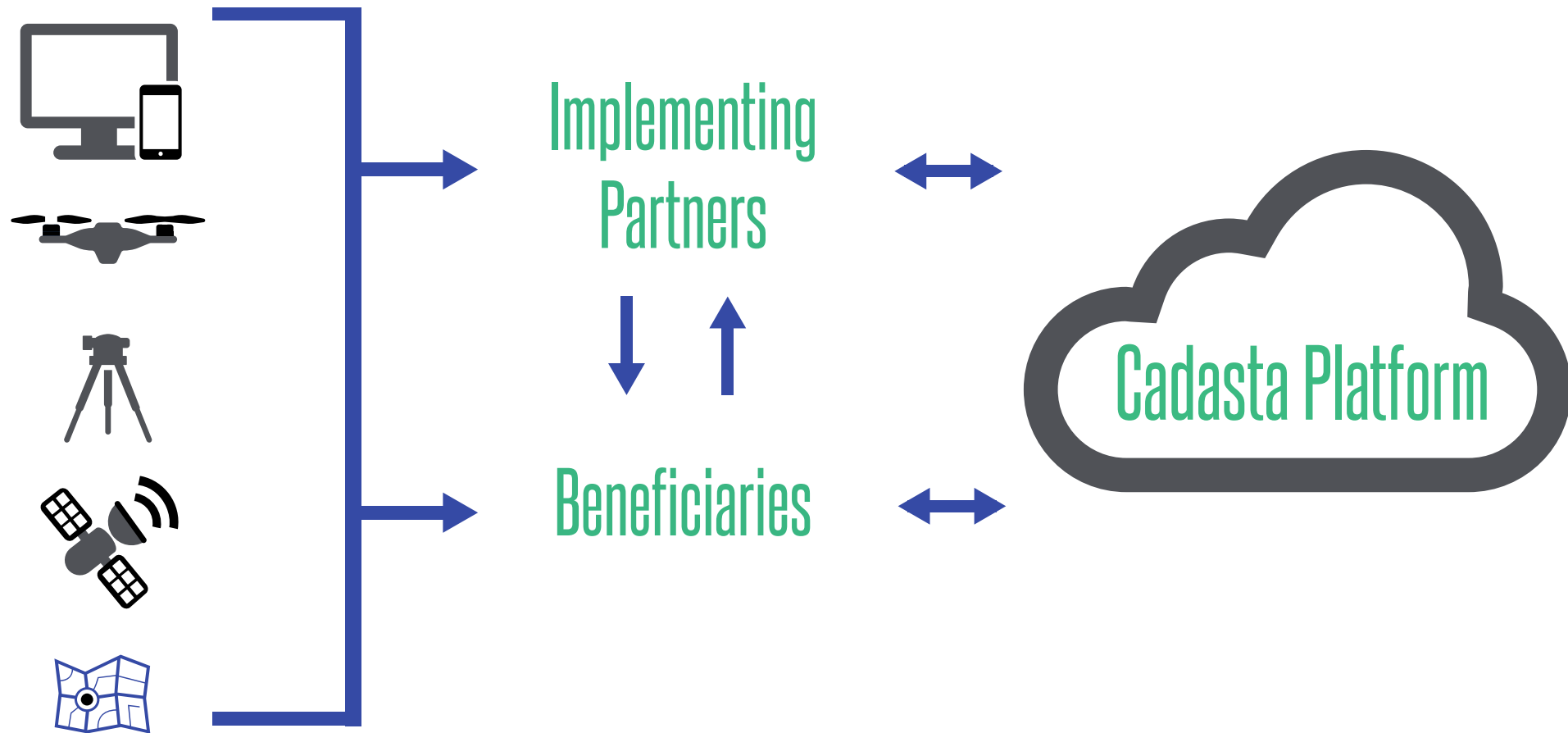
CADASTA PROBLEM STATEMENT

- **Undocumented land and resource rights: <u>70 - 80% globally</u>**

- **Lack of transparency and accountability in formal systems**

Impacts of Lack of Secure Property Rights

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

THE CADASTA SOLUTION STACK

How to Address?

- **Recognizing that Governments and Land Professionals cant keep up with demand**

- **Volunteered Geographic Information**

- **OpenStreetMap – 45k active contributors per month, with 5.6 Billion points added on April 11th 2017**
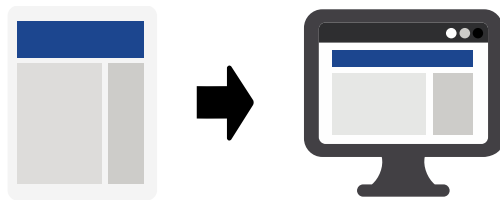

USAID
FROM THE AMERICAN PEOPLE
MOBILE APPLICATION TO SECURE TENURE

FAO FIAT PANIS

OPEN TENURE

GeoODK

Field Papers

Data
Migration

Migration of
Existing Data
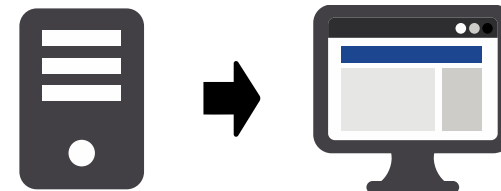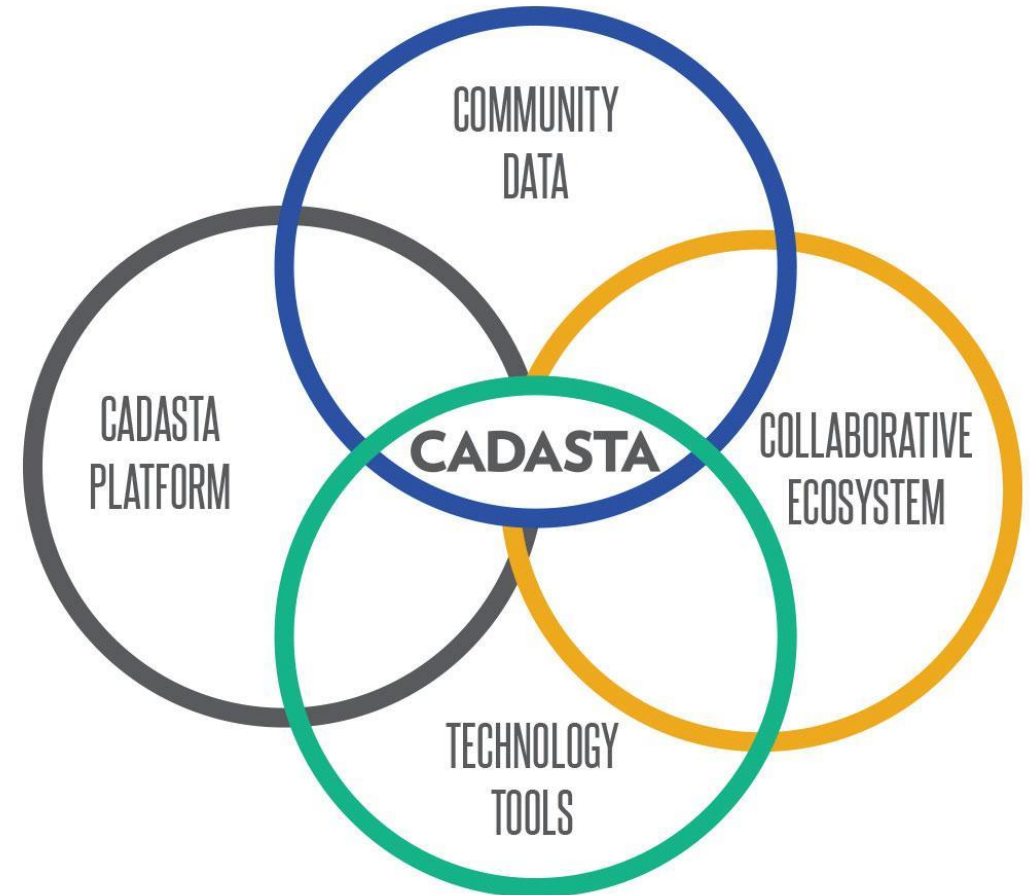
W h e r e

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

COMMUNITY DATA

CADASTA PLATFORM

CADASTA

COLLABORATIVE ECOSYSTEM

TECHNOLOGY TOOLS

TYPES OF DATA

Water Rights

Forest & Lumber

Minerals & Mining

Ag. Concession

Occupancy

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

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.
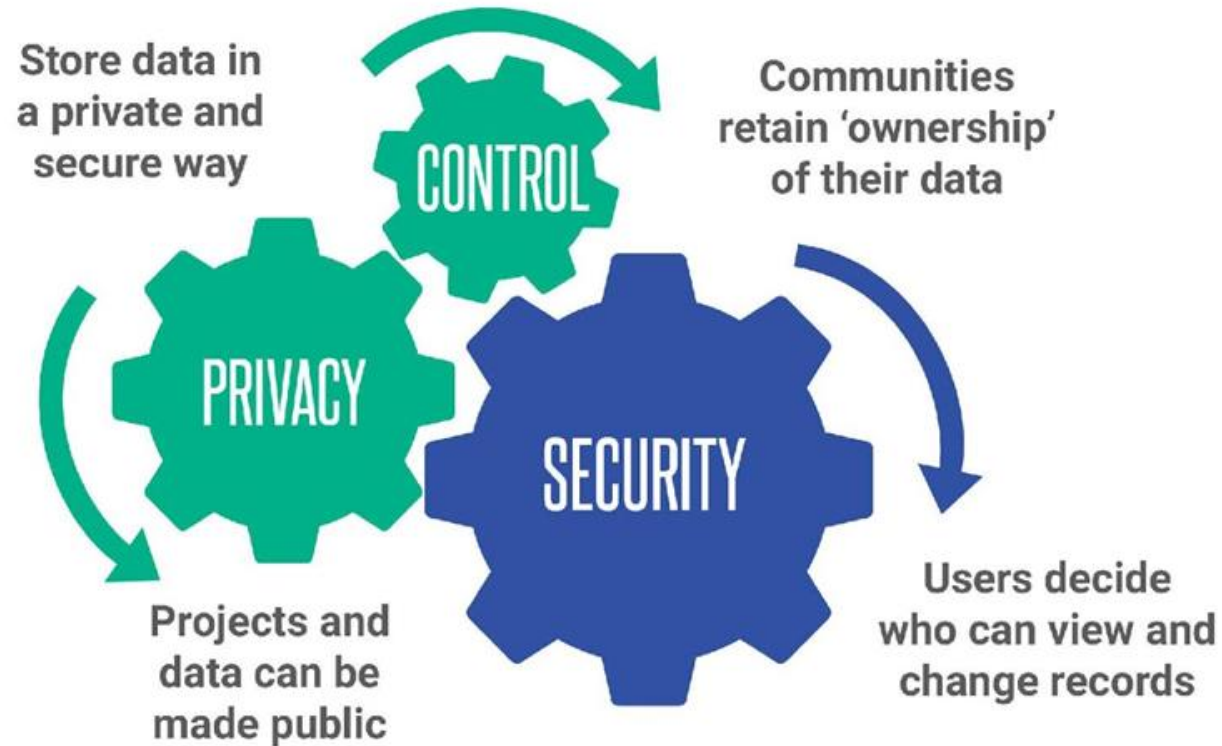
| Visualize large areas
Contextualize claims | Include multiple perspectives
Increase remote accessibility | 'Accurate enough' data
Reduce technical barriers |

PEOPLE BEFORE DATA - YOU MAINTAIN CONTROL OF YOUR DATA

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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#landmatters #landrights
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