



Ioana Bouvier, Land and Urban Office, USAID



Jeffrey Euwema, Land Technology Solutions



Patricia Garcia, CEL





Mobile Applications to
Secure Tenure (MAST)

INTEGRATED TECHNOLOGY AND APPROACH

Ioana Bouvier, Land and Urban Office, USAID

Jeffrey Euwema, Land Technology Solutions

Patricia Garcia, Communications, Evidence and Learning

Agenda

- Background, Context, and Challenges in 3 Countries
- Outcomes and Results
- MAST Principles
- Q&A
- Reflection and Feedback



Context, Background, and Challenges in 3 Countries

Jeffrey Euwema, Land Technology Solutions



USAID
FROM THE AMERICAN PEOPLE

An aerial photograph showing a vast herd of wildebeest grazing in a savanna landscape. The herd is densely packed in the foreground and middle ground, extending towards the horizon. The terrain is a mix of green and brown grass, with scattered acacia trees and rolling hills in the background under a clear sky.

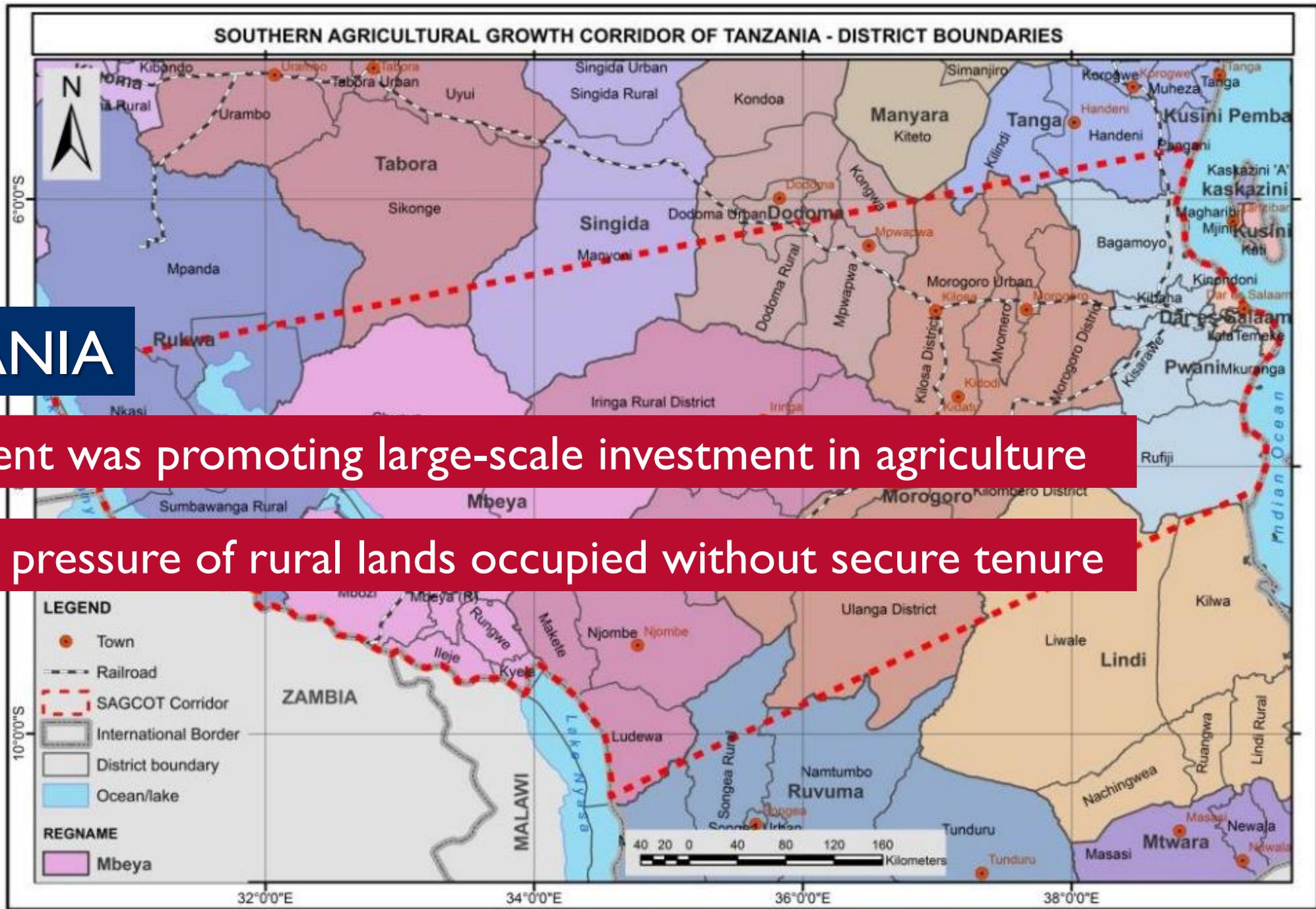
TANZANIA

Low-resourced land governance sector

Lack of reliable inventory for land

Increasing land pressure leading to conflict

Citizens, especially women, not involved



TANZANIA

Government was promoting large-scale investment in agriculture

Increasing pressure of rural lands occupied without secure tenure

A photograph of a rural landscape in Tanzania. On the left, there is a traditional building with a thick, thatched roof and mud-colored walls. A dirt path leads from the building towards the right. Several people are on the path: a woman in a red top and patterned skirt carries a blue bucket; another woman further down the path also carries a blue bucket; two children, a girl in a red dress and a boy in a striped shirt, are walking towards the camera. In the foreground, a person in an orange shirt is bent over, possibly filling a bucket. The background is filled with lush green vegetation, including tall grasses and dense trees. The sky is overcast.

TANZANIA

Program focused on using innovative technologies to document land rights

Collaborative approach to help build ownership, validate processes and data

MAST streamlined customary land certification process in Tanzania



BURKINA FASO

Insecure tenure and food security, 70% rural population (WB)

Competition for resources increasing, especially for vulnerable groups

Limited implementation of new customary land laws

Layer Manager

Overlays	<input type="checkbox"/>
spatial_unit	<input checked="" type="checkbox"/>
spatialUnitLand	<input checked="" type="checkbox"/>
AOI	<input checked="" type="checkbox"/>
Resource	<input checked="" type="checkbox"/>
Line	<input checked="" type="checkbox"/>
point	<input checked="" type="checkbox"/>



BURKINA FASO

Standardized and streamlined approach required

Limited institutional capacity

Need to adhere and work within land governance and legal framework



BURKINA FASO

Collaborated with the National Land Observatory (NLO-BF)

Engaged and empowered communities through participatory approach

Innovative technologies and participatory approaches built local and regional government capacity and self-reliance



LIBERIA

Community Forests support important biodiversity and ecosystem services

Limited understanding of forest and land resource base

MAST performed assessment of USAID forestry programming

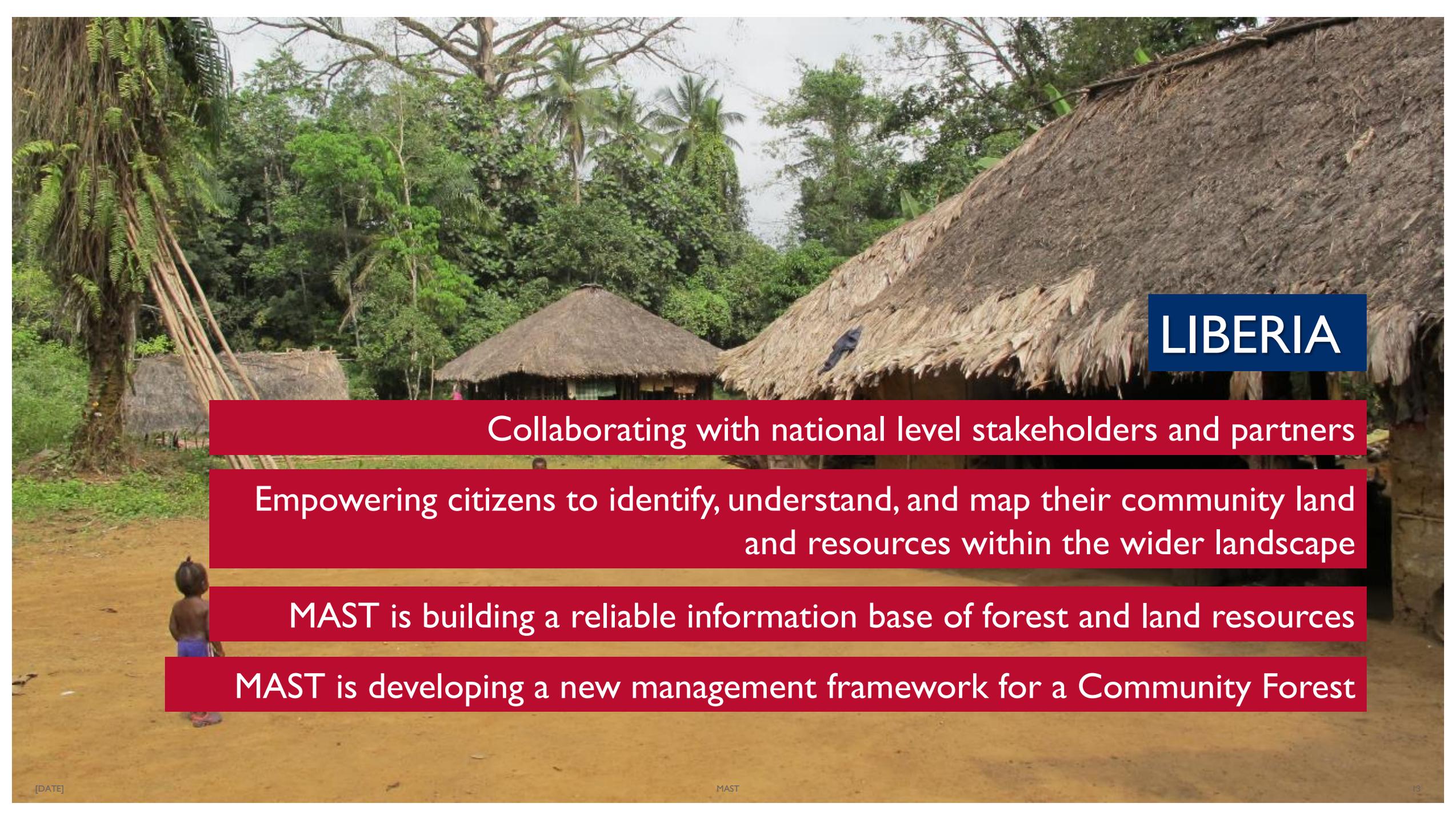


LIBERIA

Engaged stakeholders and beneficiaries to understand context

Sought to identify ways to adapt MAST to stimulate decision making and promote sustainable forest and land uses

Institutions face constraints in implementing forestry and land administration mandates



LIBERIA

Collaborating with national level stakeholders and partners

Empowering citizens to identify, understand, and map their community land and resources within the wider landscape

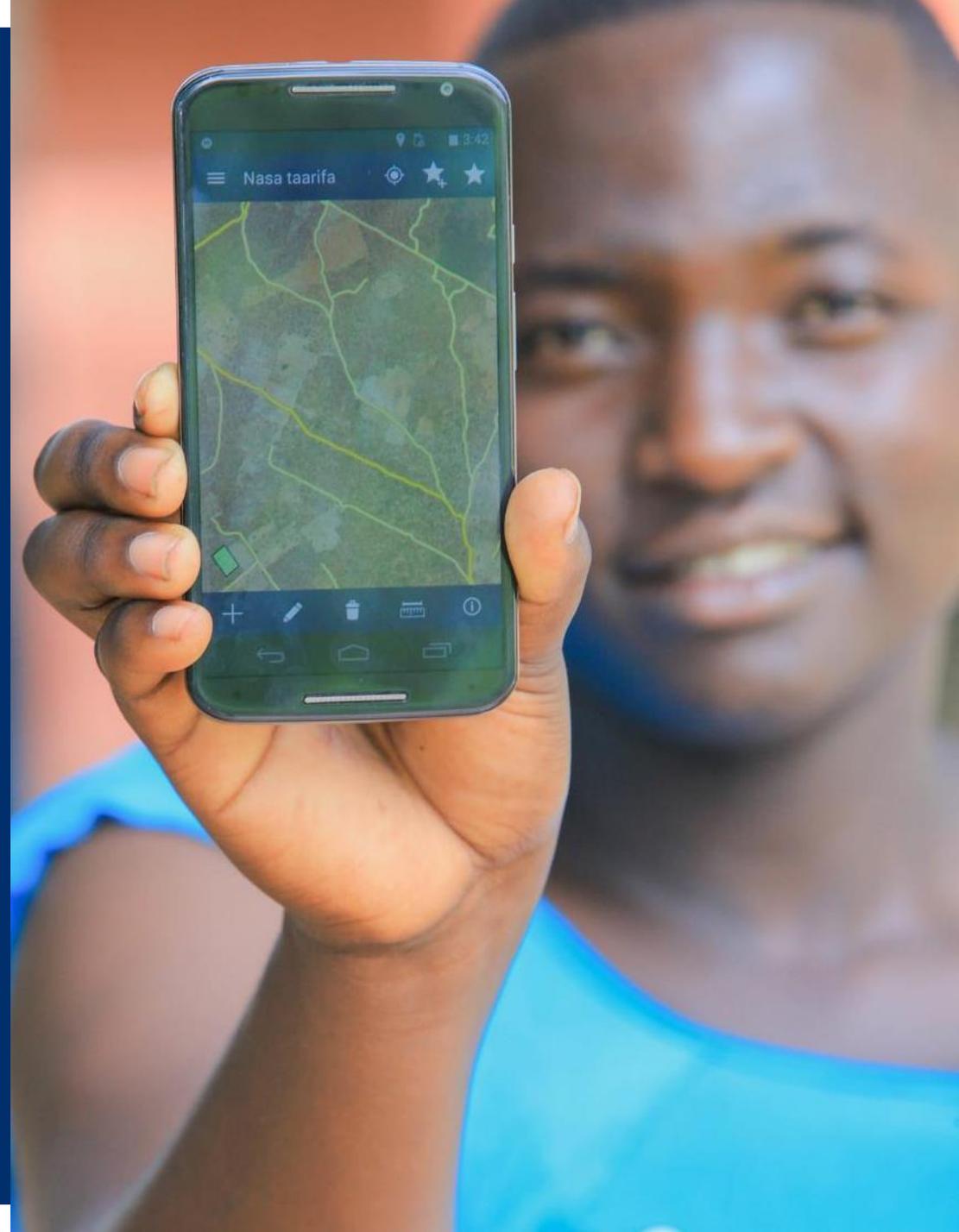
MAST is building a reliable information base of forest and land resources

MAST is developing a new management framework for a Community Forest

MAST Results



USAID
FROM THE AMERICAN PEOPLE



TANZANIA



Over **63,000** parcels mapped



50% of Land Certificates to women



Resolved **disputes**



Empowered **woman and youth**



Reduced mapping costs 80% from
\$40 to \$7.85 per parcel



BURKINA FASO



Nearly **2,600** parcels mapped by citizens in **35** days, total of **3,600** ha



Occupancy division: **79% male, 20% female**



>2,200 applications published



282 Land Certificates issued



LIBERIA



Governance framework now engages **7 principal communities** of Blei Community Forest



Trained almost **600** citizens in conservation and land laws



>30 community members trained to use MAST application



Introduced **efficiencies** in mapping



Development of Programs and MAST Principles



USAID
FROM THE AMERICAN PEOPLE

Common themes emerging from MAST implementation are:



Adaptability to Context



Collaboration



Rigorous Stakeholder Engagement



Empowerment and Participation

Align Key Principles of MAST to Implementation Requirements



MAST Implementation Approach

Start



Design

Design program and adapt technology tools for clarifying land rights & achieving cross-sectional development objectives

Assessment

Identify specific needs and opportunities based on technical, legal, social and institutional requirements



Sensitization

Provide sensitization and build advocacy around land and resource laws, issues and rights





Execution

Train citizens to effectively map land and resources with MAST



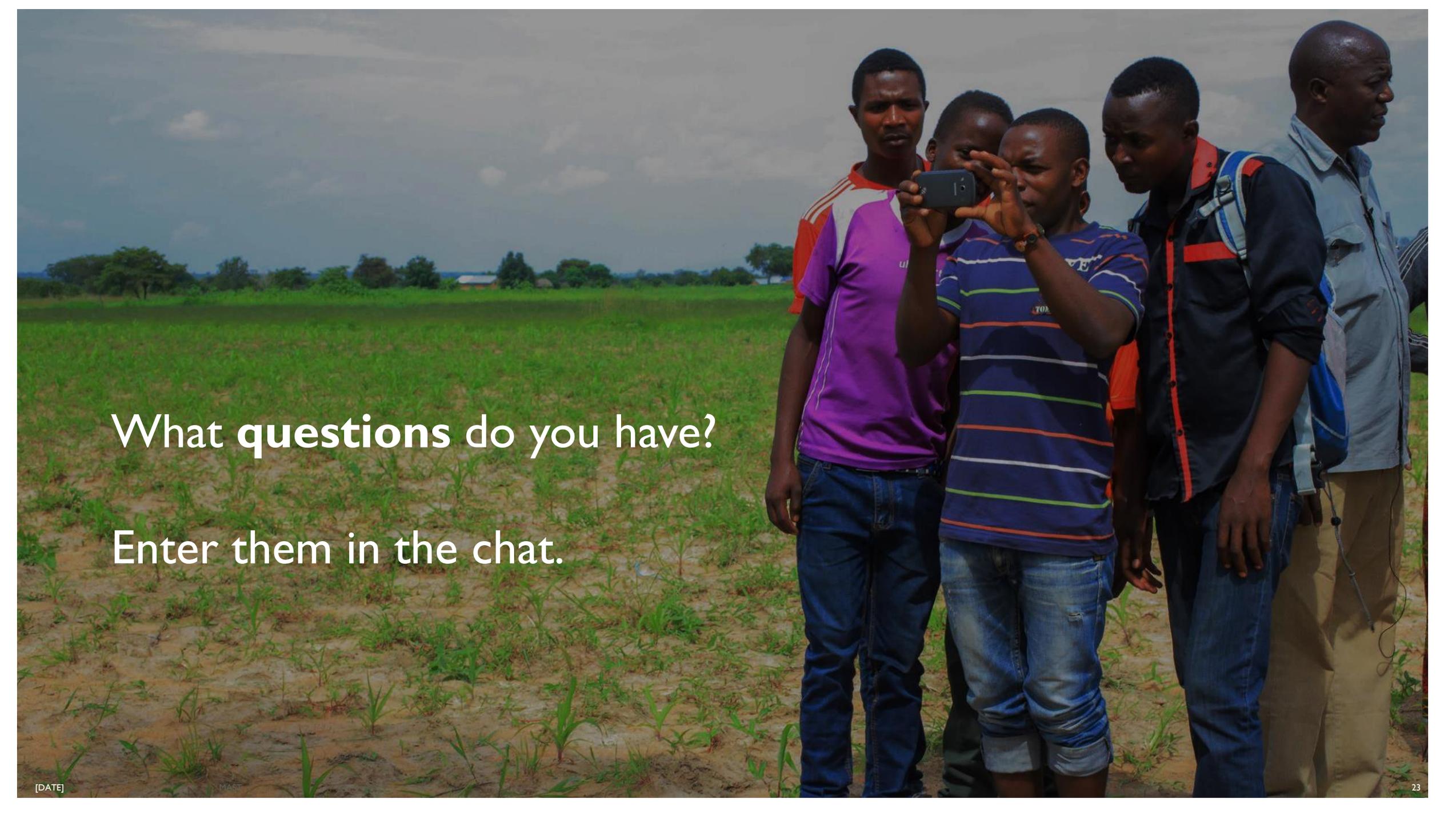
Document

Document and share lessons learned & build sustainability/ scaling plans

Self-Reliance

Empower to build momentum for long-term self-reliance



A group of five men are standing in a field of young green plants. The man in the center is holding a smartphone up to his eye, looking at the screen. The other men are looking towards the phone. They are wearing various casual clothing like t-shirts and jeans. The background shows a flat landscape with some trees and a cloudy sky.

What questions do you have?

Enter them in the chat.



USAID
FROM THE AMERICAN PEOPLE

Thank you!

For more information visit:

landmatters@usaid.gov

[Land Links](#)

[MAST Brochure](#)

[The MAST Learning Platform](#)

[MAST on Github](#)

Thank you



USAID
FROM THE AMERICAN PEOPLE