



sigit



National Land Cadastre in Mozambique

SiGIT as a lever to success

Marisa Balas
EXI Lda



ORDEM
DOS
ENGENHEIROS



FIG COMMISSION 7 ANNUAL MEETING

GEOCONFERENCE ON CADASTRE 4.0
TRANSPARENCY, PARTICIPATION, COLLABORATION

24-28 OCTOBER 2016 | COIMBRA, PORTUGAL



sigit

MOZAMBIQUE

- Mozambique is located on the south eastern part of the African Continent
- Territory > than 800 000 km² in 11 provinces
- Population of about 24 million
- Different cultures, languages and customary practices throughout the country





sigit

Mozambique Land Context

- **Pressure** on the **land** is increasing considerably;
- 90% of the land is estimated to be used under unregistered **good-faith occupations** and **customary tenure arrangements**;
- Government defined **appropriate legislation**, promoting **land tenure regularization** and **gender equity**;
- For the past 4 years, Government invested in the implementation of a LIMS – **SiGIT** that promotes LTR and community delimitations;
- Currently defined “**Terra Segura**” program aimed at registering **5 million parcels** and delimitating **4 thousand communities**, and creating the **Land National Cadastre**.



sigit

National Land Cadastre


Purpose

The **National Land Cadastre** was legislated in the Land Law as comprising all of the necessary data to allow:



- a) knowing the economic and legal situation of the land;
- b) knowing the types of occupation and land uses;
- c) assess soil fertility, existing forestry, water, fauna and flora, mining, and tourism resources;
- d) effectively manage the land: its uses, its protection and conservation;
- e) determine the proper regions for specialized productions.






sigit


National Land Cadastre

Current Constraints



- Proliferation of Databases;
- Conflicts, overlapping of concessions and rights;
- Higher costs of data collection and management;
- Data redundancy, ambiguity, vulnerability and risk of loss;
- No sharing and no update of information;
- No integration of planning and decision making processes.







sigit

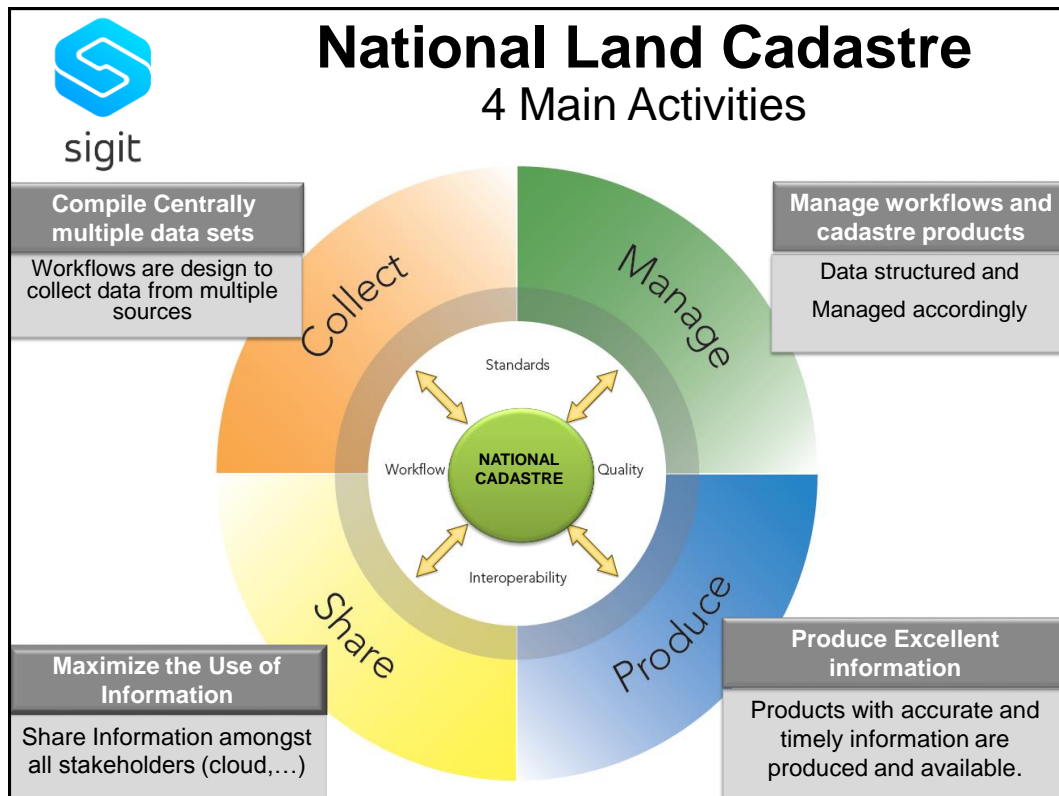
National Land Cadastre

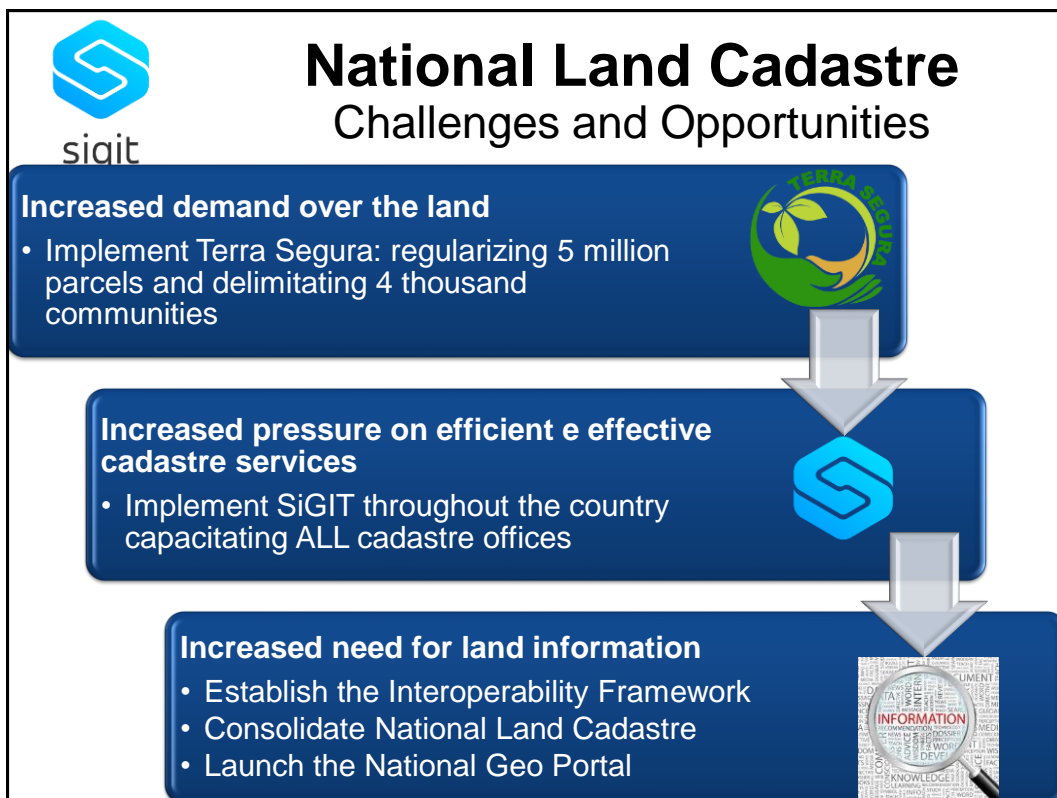
Vision



- A **Centralized Repository** of all land related data that coordinates activities of collecting, producing, managing and sharing **information**;
- a **Systemic View** of the land resource, its use and administration, amongst all stakeholders;
- A **Platform of Land Governance**, promoting integrated approaches from all intervenients in the land administration and land management processes.







National Land Cadastre
Can SiGIT be a lever?

- SiGIT application was designed and built between 2012 and 2013 under a Government program “Acesso Seguro à Terra”. LADM based.
- The implementation of SiGIT included 19 sites: DINAT in Maputo, 10 SPGC (one per province) and 8 (+2) municipalities of the northern part of Mozambique.
- In 2013 more than 170,000 land titles were issued in the 4 northern provinces of Mozambique.
- With the “Terra Segura” program, circa 300.000 parcels were collected into SiGIT in 2015/2016. Could have done so much more!

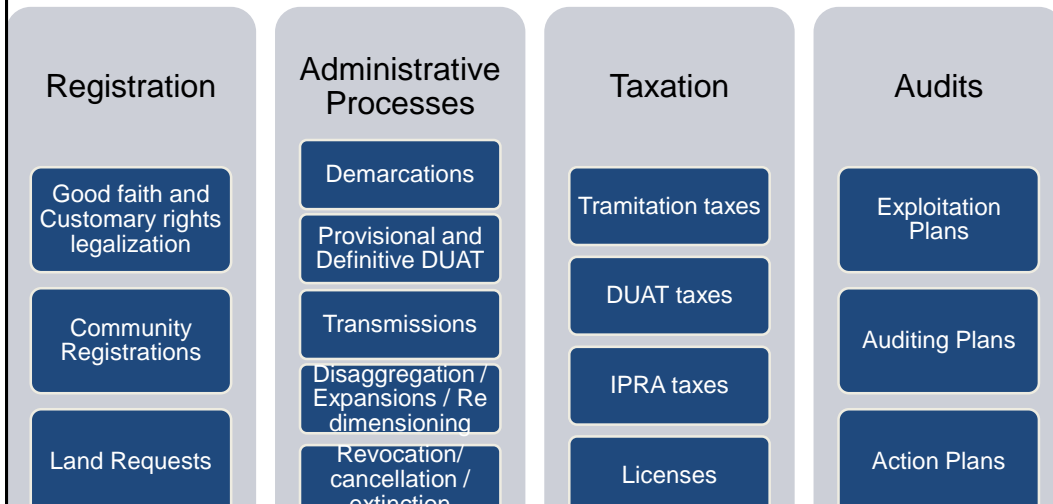


sigit

National Land Cadastre

Can SiGIT be a lever?

- **Harmonised Working Processes:** All land administration working processes; Urban and Rural Land Administration; Based on land law and related procedures.

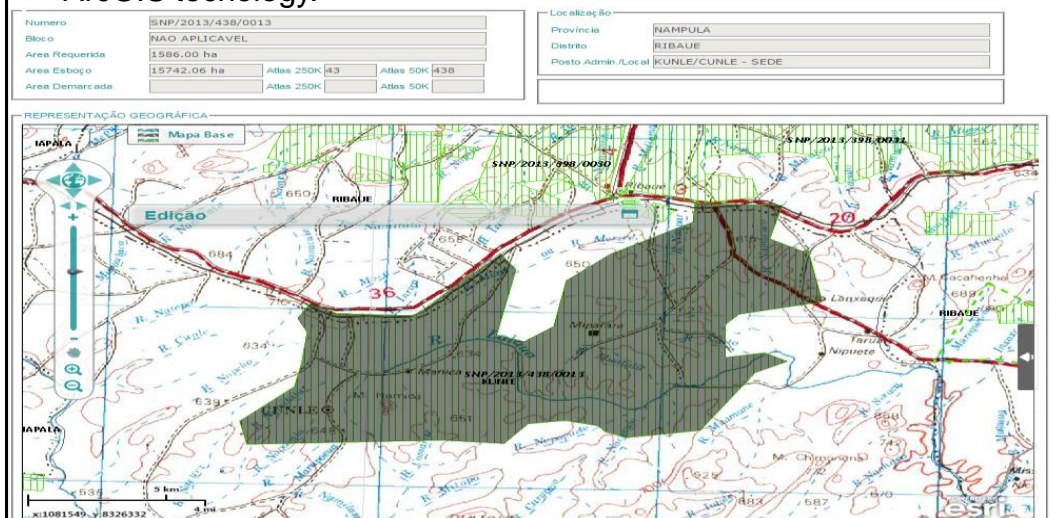


sigit

National Land Cadastre

Can SiGIT be a lever?

- **Embedded GIS functionality withing the workflow** allowing for these two aspects to coexist and facilitating the cadastre work. ESRI ArcGIS tecnology.



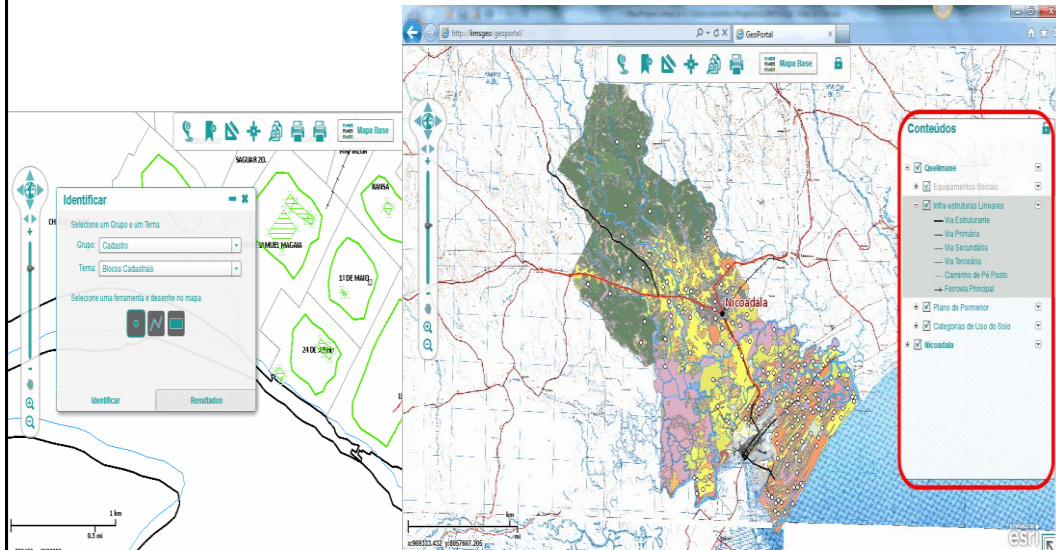


sigit

National Land Cadastre

Can SiGIT be a lever?

- **Land GeoPortal (both Public and Private portal)**, promoting more transparency and making available critical information.

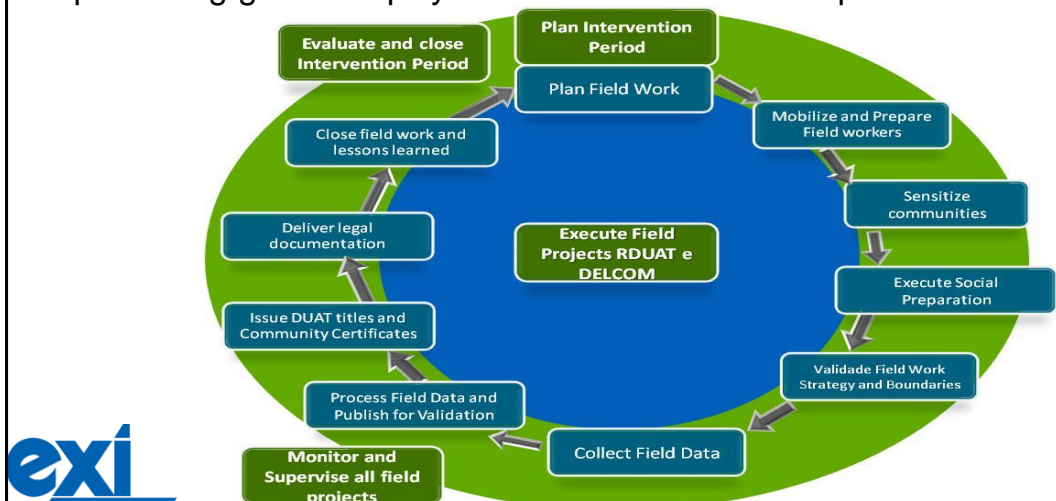


sigit

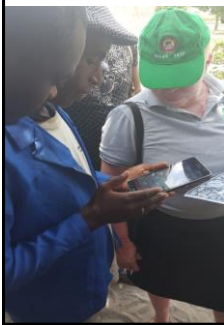
National Land Cadastre

Can SiGIT be a lever?

- With Terra Segura, specific modules for RDUAT and DELCOM were developed, aligned with the defined methodology and promoting gender equity: Mozambican Fit For Purpose



- A mobile application was developed
 - RDUAT and DELCOM forms (quality and time improvements)
 - GIS functionality: map drawing, coordinates acquisition
 - Can be held by community paralegals and utilized for future cadastre updates
 - Gender issues, citizen identification, minors



- SiGIT creates **Community Land Dossiers** to allow communities to keep track and update all land transactions performed under customary practices.

- Needs reforms in Legislation
- Can benefit from Mobile application

Coupeiros Associados

Lista dos Coupeiros

BLOCO	PARCELA	DESENHADA?	Ocupante Principal/Titular	DOC. IDENTIFICAÇÃO	PROCESSO	ESTADO
01	1	Sim	Mário João Cardoso	BI 14355523623780	528/2013/001729	Taílo
01	2	Sim	ANA DA GRACA	DT 0404108445512	528/2013/001730	Taílo
01	4	Sim	BENEDITO OLIVEIRA	BI 0303223530	528/2013/001731	Comprovativo

Informação
 Page 1/1
 Records 3

[Página Anterior](#)
[Próxima Página](#)

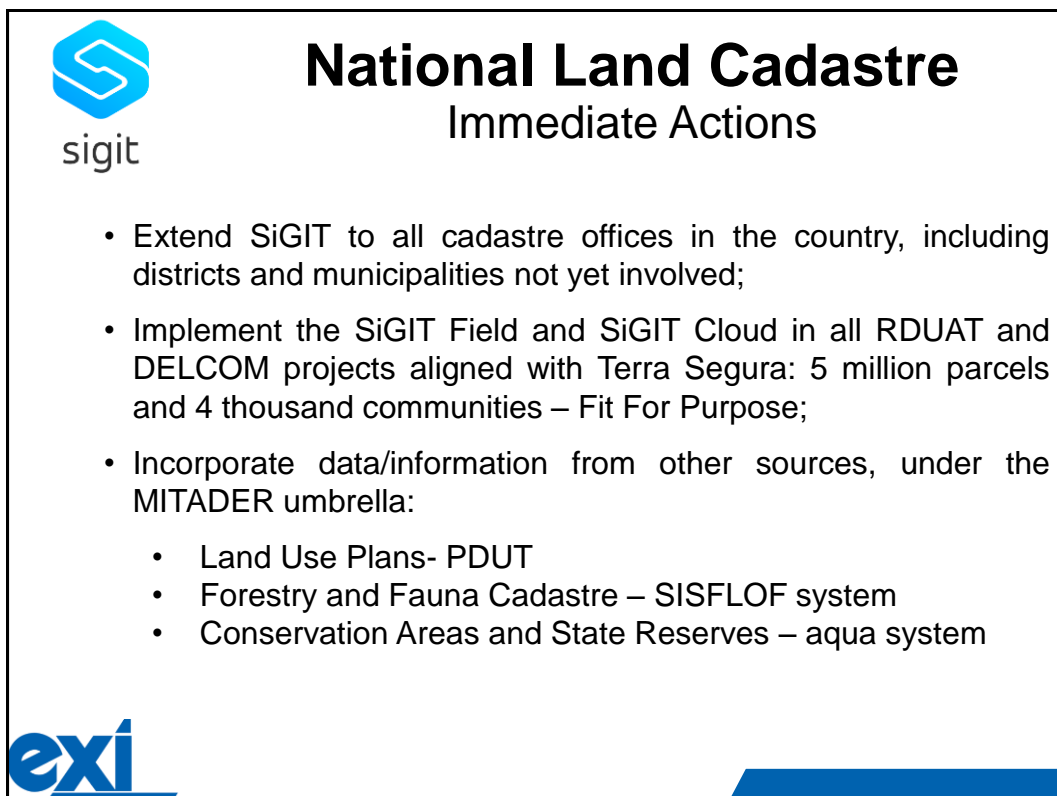
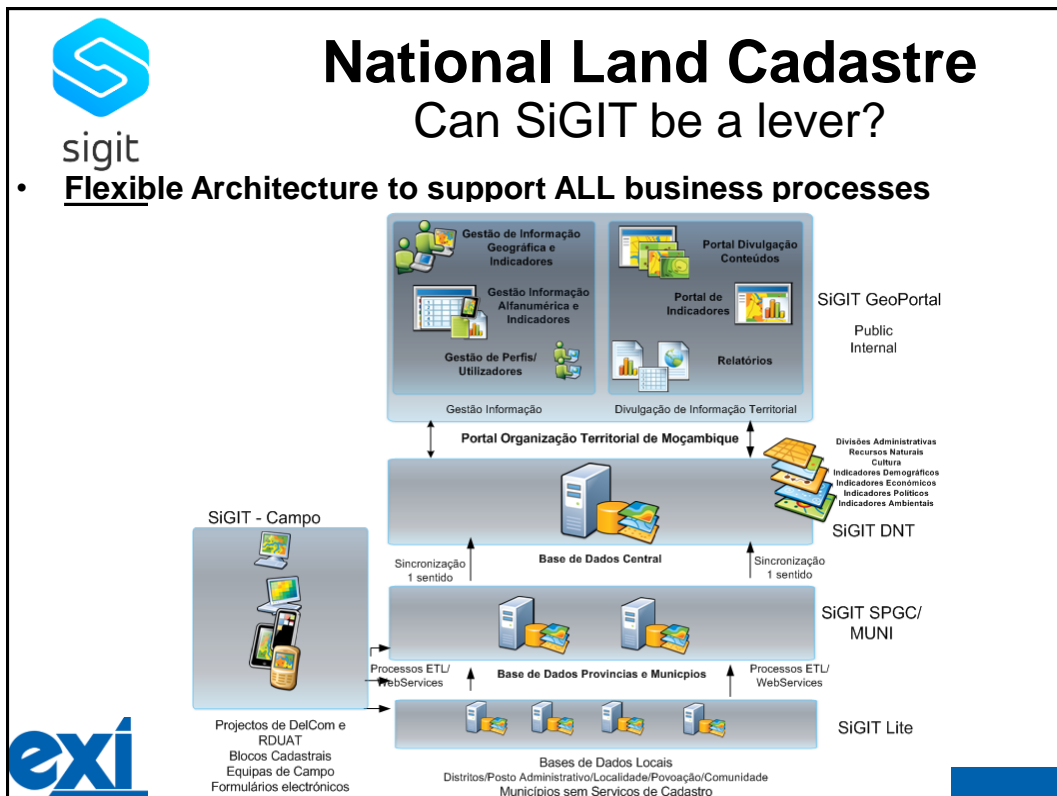
[Gerar Processo](#)
[Criar Edital](#)
[Criar Proposta \(Para Definir\)](#)
[Criar Proposta \(Para Indefinir\)](#)
[Terminar Gestão de Coupeiros](#)

Mapa de localização do lote 13, mostrando ruas adjacentes e o lote em verde.

Registros Associados A este Projeto:

REF.	DATA FIXAÇÃO	REF. PROPOSTA/DATA	REF. DESPACHO/DATA	REF. AUTORIZAÇÃO/DATA
201000000182	15-11-2013	201000000892-15-11-2013	201000000031-15-11-2013	201000000024-15-11-2013
		201000000893-15-11-2013	201000000032-15-11-2013	201000000025-15-11-2013

[Fechar Projeto](#)
[Editar](#)
[Remover](#)
[Voltar](#)





sigit

National Land Cadastre

Future Actions

- Define Interoperability Framework for all cadastres outside MITADER;
- Incorporate cadastres already in place:
 - Mining Cadastre – mineral resources;
 - Land parcels from Municipalities with a LIMS.
- Incorporate other cadastres still under construction:
 - Roads (ANE/MTC)
 - Electricity (EDM/MIREME)
 - Railways (CFM/MTC)
 - Water (MOPH/MMAIP)
 - Demographics (INE)
 - Tourism (MITUR)
 - Schools (MEC)
 - ...



sigit

Kanimambo

Marisa Balas

marisa.balas@exi.co.mz

