



# Mozambique Instituto Nacional de Minas

Geraldo Valoi | Deputy Director

FEBRUARY 2017

## MAGTAP Project Update and Future Vision

# Agenda

- Mining Cadastre History in Mozambique
- MAGTAP Project Update
- The Future with Landfolio and e-Gov



# Overview of Mozambique

## Geographical location

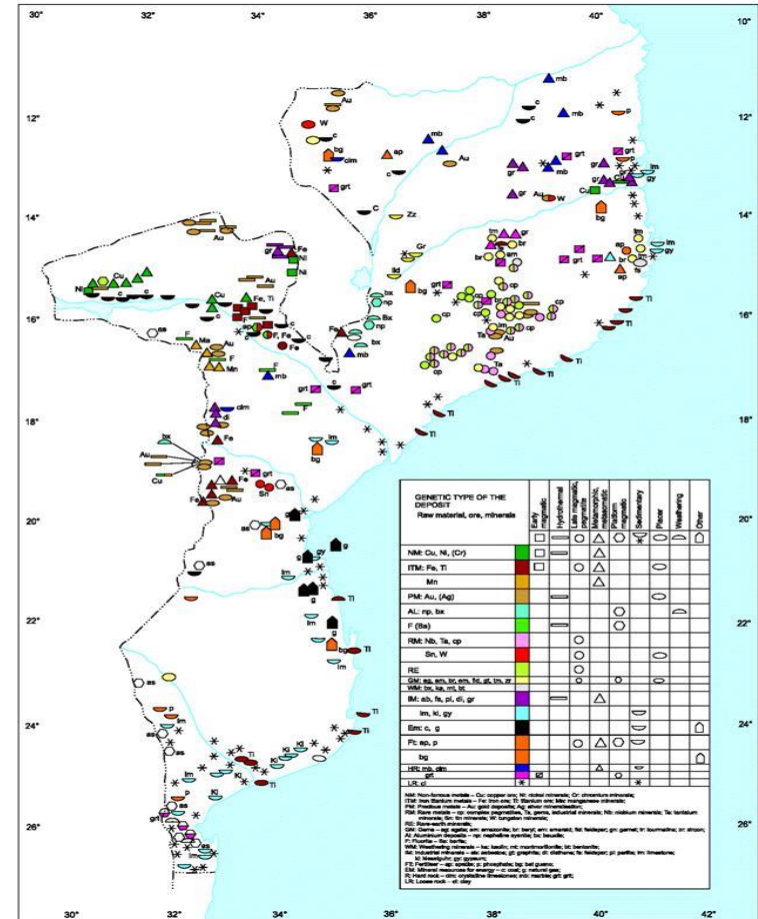
- Southern part of Africa
- Total area: 799 390 Km<sup>2</sup>
- Long coast-line: 2 400 Km

## Population: 23.4 million

- 70% Rural, 30% Urban

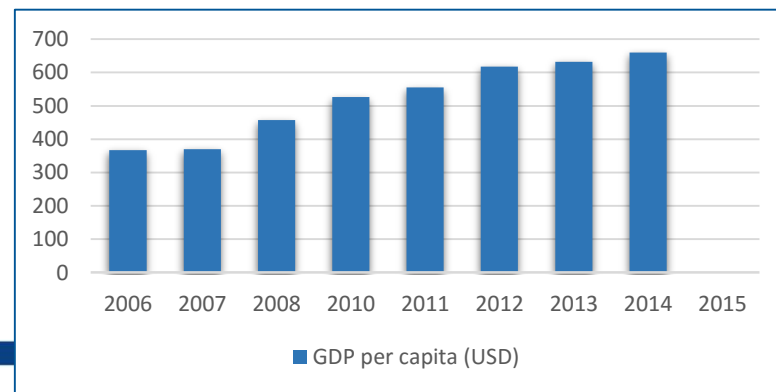
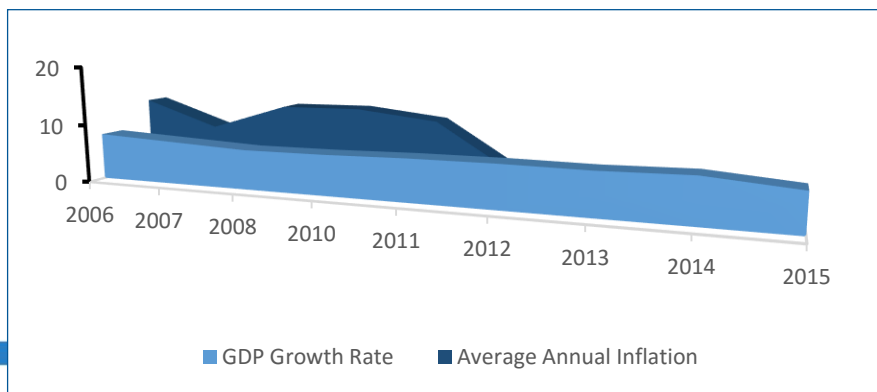
## Political Independence: 1975

- Democratic Political system
- Official Language: Portuguese
- English is widely spoken
- President of Republic is elected by universal suffrage for 5 years
- Rule of Law



# Mozambique Macroeconomic Indicators

Indicators	2006	2007	2008	2010	2011	2012	2013	2014	2015
GDP Nominal (USD billion)	7.3	7.8	8.3	10.4	13.6	15.6	16.3	17.5	-
GDP per capita (USD)	367	370	457.7	526	555	618	632	660	-
Average Exchange Rate (USD/MZM)	25.5	25.8	25.9	32.8	27.13	30.27	30.01	34.01	46.97
GDP Growth Rate	7.9	7.3	6.7	6.8	7.1	7.2	7.1	7.4	6.3
Average Annual Inflation	12.6	8.2	12.5	12.7	11.2	2.6	4.3	2.6	3.6



# Mining Cadastre in Mozambique

- **Pre-2003 – Manual Licensing Processes**
- **2003 – The birth of FlexiCadastre**
  - **Implementation of FlexiCadastre v1.0**
    - 4 License Types Only
    - Shape Validations run externally



REPÚBLICA DE MOÇAMBIQUE  
MINISTÉRIO DOS RECURSOS MINERAIS E ENERGIA

Usuários:  
Samuel Nhancale

Códigos do Título: 709  
Tipo de Título: Licen...  
Estado: Ped...  
Sub-Status:  
Data Pedido: 19/0...  
Data Atribuido:  
Data de Caducidade:  
Provincia: Zam...  
Distrito: Gile...  
Coord. da Nova Lei

Usuários:  
Samuel Nhancale

Códigos  
Novo Pedido  
Agenda  
Títulos  
Pessoas  
Empresas  
Acções  
Tabelas  
Usuários  
Formulários  
Ajuda

Dono(s) Representante(s)

1  
Apelido Nome(s)  
Matope Richard  
Nhacombe

Done, but with errors on page.

License Code: 709 License Type:  
Status: Pedido Owners:

Nova Acção: Comment ADIR

					Estado	Título	Acções
					709	Taxa de regis	(2000000.00
					709	Anexo de pec	
					709	Anexo de pec	
					709	Pedido(Acieta	
					709	Anexo de pec	
					709	Aprovação(A	
					709	Taxa de esbc	- 124/DNM/D
					709	Notificação d	
					709	Édito para pu	

ArcGIS mockup.mxd - ArcMap - ArcView

File Edit View Insert Selection Tools Window Help

1:100,295

Editor Task: Create New Feature Target:

100%

Layers

- moz\_interest
- All\_Concession\_Point
- moz\_road
- moz\_rail
- moz\_river
- 15s\_horizontal
- 15s\_vertical2
- 15sgrid
- 50k\_grid\_moz
- moz\_water
- moz\_reserve
- moz\_mapstudio\_dd
- Licenses
- All\_Concession\_Poly
- All\_Concession\_Poly

License Wizard

Search for license: 621L

Applicant: Rio Tinto Mining

Current Status: Active

License Type: Mining Certificate

Minerals: Precious metals

Expiry Date: 15/07/2005

Cancel < Back Next > Finish

# Mining Cadastre in Mozambique

- **2010 - 2012 – Upgrade Project**
  - FlexiCadastre v4.0 Implemented
  - All License Types included
  - Shape validations now part of core FlexiCadastre
  - Provincial Offices included
  - Email / SMS Notifications to Registered license holders
- ***2012 – Mozambique EITI Compliant***

FlexiCadastré - Windows Internet Explorer

http://mscpt-sd45/FlexiCadastréMali/FlexiCadastré.htm

File Edit View Favorites Tools Help

Home Home LinkedIn Web Slice Gallery

flexicadastré

User: FlexiCadastré ADMIN  
Version: 4.1.0.01 (Beta)  
Instance: FlexiCadastré Mali

Renewal Details

Old Expiry Date: [Date]

New Expiry Date: [Date]

Renewal Duration: [Duration]

NEW SHAPE

copy current s  
Note: The coo

Shape Area

Official Area: [Area]

Calculated Area: [Area]

Coordinate Sys: [System]

flexicadastré

User: FlexiCadastré ADMIN  
Version: 4.1.0.01 (Beta)  
Instance: FlexiCadastré Mali

Licenses > Add

NEW LICENSE WIZARD

License Details

- Parties
- Spatial Information
- Map References
- Finish

License Details

NEXT-PARTIES >

Jurisdiction: Mali \*

License Type: \*

License Status:

- Autorisation de prospection
- Autorisation d exploration
- Autorisation d exploitation de petite mine

Region:

License Code:

- Permis de recherche
- Permis d exploitation

Application Date: [Date]

Last Renewal Date: [Date]

Resources: There are 0 Resources in the list

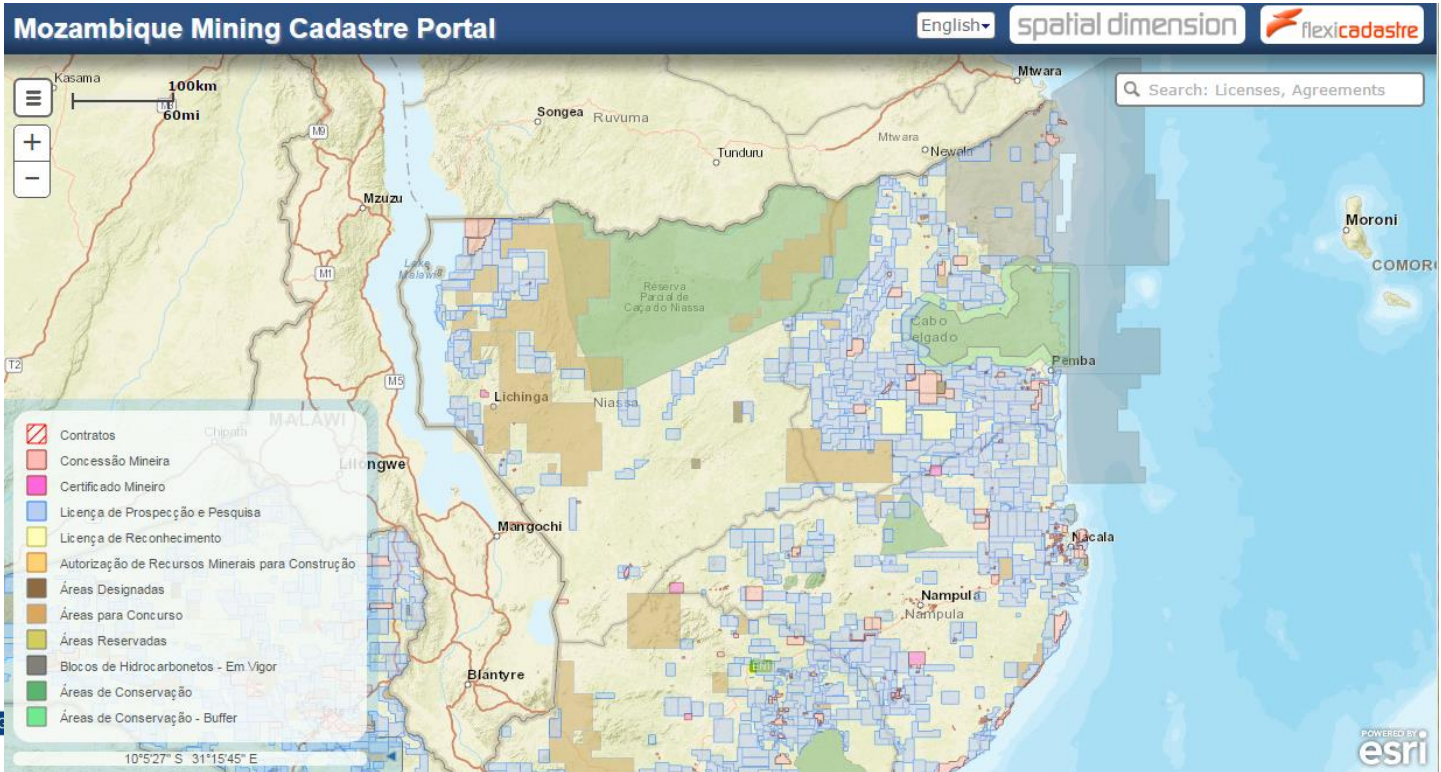
Tools

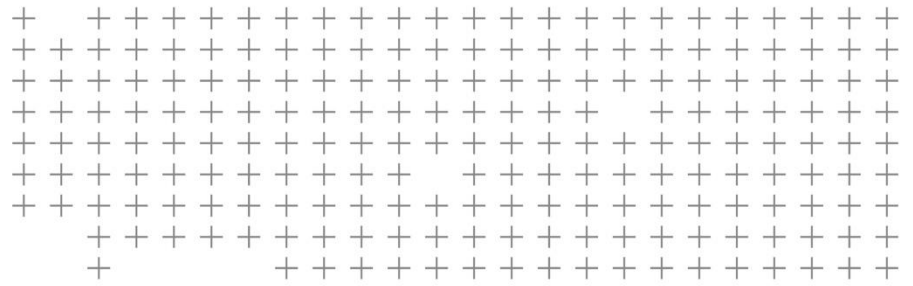
Copyright © Spatial Dimension 2005 - 2010



# Mining Cadastre Mozambique

- 2014 – Mozambique Mining Cadastre Portal Launched





# MAGTAP Project Update

## Mining and Gas Technical Assistance Project (MAGTAP)

- *The development objective of the Mining and Gas Technical Assistance Project is to strengthen the capacity and governance systems of key institutions to manage the mining and hydrocarbon sectors in Mozambique.*

# MAGTAP Key Deliverables (Cadastre)

- Update workflows in accordance with the new mining law and related regulations
- Implement workflows to accommodate The Kimberley Process
- Training & capacity building at a national level
- Integration between MCIMS and the Mozambique Revenue Authority and Land Agency
- Implement e-commerce facility to map portal to allow for data sales
- Develop prototype e-Gov Portal
- Provide user support over three year period



# MAGTAP – MCIMS Project Update

- Mining Regulation and Law review completed
- Workflow configuration and testing - completed
- Upgrade from FlexiCadastre to Landfolio v6.0
- User Training for Maputo head office staff – completed
- Training of Provincial Staff planned for later this month
- Administrator Training planned for March 2017
- Upgrade of Map Portal for data sales - Q2 2017
- Management Reporting – Q2 2017

Licenças &gt; Pesquisa

Nova Pesquisa

[Página Inicial](#)
[Licenças](#)
[Contratos](#)
[Ações](#)
[Mapas](#)
[Relatórios](#)
[Documentos](#)
[Empresas](#)
[Pessoas](#)
[As Minhas Definições](#)
[Administração](#)
[Ajuda](#)

 Código: 

 Jurisdição: 

 Grupo de Estado: 


 Nome: 

 Grupo de Tipo: 

 Estado: 
[mais...](#)

 Participante: 

 Tipo: 

 Pesquisas Guardadas: 

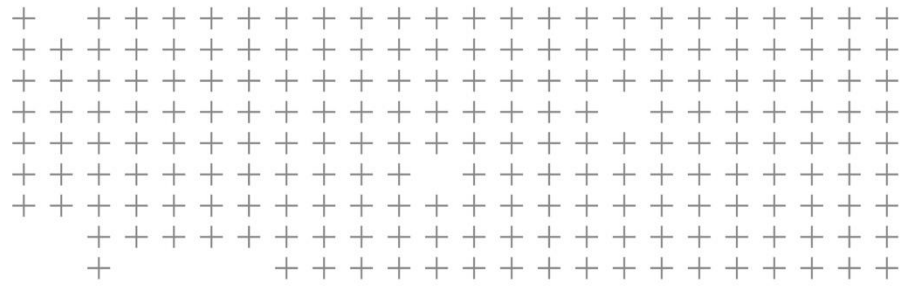
 Resultado de pesquisa 10001000 de **mais que 1000** resultados([lista completa](#))


1 2 3 4 5

Tudo	Mapa	Código	Participantes	Tipo	Substâncias	Estado	Data de Pedido	Data de Concessão	Data de Validade	Área	Referência Geográfica
<input type="checkbox"/>		1	CARBOMOC	C	COA	Caducado	24-09-1988 00:00:00	06-05-1991	06-05-2001	23.500,00 Ha	TETE, MOATIZE, MOATIZE
<input type="checkbox"/>		2	MIMOC - Minerais Industriais de Moçambique, Lda	C	BEN	Cancelado		23-03-1992	23-03-2012	2.040,00 Ha	MAPUTO, BOANE, BOANE; NAMAACHA, NAMAACHA
<input type="checkbox"/>		3	Marmonte S.A.R.L.	C	MAR	Caducado	14-01-1991 00:00:00	09-10-1992	09-10-2012	880,00 Ha	CABO_DELGADO, MONTEPUEZ, MONTEPUEZ
<input type="checkbox"/>		4	GK Ancuabe Graphite Mine S.A. (100%)	C	GRP	Em Vigor	15-07-1993 00:00:00	05-08-1993	05-08-2028	3.200,00 Ha	CABO_DELGADO, ANCUABE, ANCUABE, METORO
<input type="checkbox"/>		5	Apolinário A. da Costa Panguene	C	AMA, QTZ, TOU	Revogado	12-06-1993 00:00:00	07-08-1994	14-04-2015	145,00 Ha	NAMPULA, MONAPO, ITOCULO, MONAPO
<input type="checkbox"/>		6	Sociedade Agua de Goba	C	AGU	Cancelado	06-10-1998 00:00:00	06-12-2000	06-12-2010	40,00 Ha	MAPUTO, NAMAACHA, CHANGALANE
<input type="checkbox"/>		7	Sociedade Mineira de Nuaparra, Lda	C	BER, BI, CB, TAN, TOP	Pedido Cancelado	06-01-1993 00:00:00	03-01-1995	03-01-2005	500,00 Ha	ZAMBEZIA, GILE, ALTO LIGONHA, GILE
<input type="checkbox"/>		8	Mina Alumina, Ltd	C	AU, BAU, ...	Em Vigor	16-05-2012 09:10:49	01-12-1994	01-12-2014	1.600,00	MANICA, MANICA, ...

# Data Sales via Map Portal

- Spatial Dimension to upgrade the Mining Cadastre Portal to include e-commerce functionality
- In an effort to attract further mining investment in Mozambique, MIREME aims to sell the following datasets via the Mining Cadastre Portal:
  - Geological Maps
  - Deposits and Mineral Occurrences
  - Seismic Data
  - Geology and mineral resources research material



# Our Landfolio Vision...



# E-Gov Portal



- Mining Cadastre
  - Home
  - Sign In
- Registration
  - Registration Process
  - Registration Form
- External Links
  - Mining Cadastre Map
  - MEM Website
  - MEM Twitter
  - Share on Social Media
- Legal
  - Contacts
  - Terms of Use
  - Privacy Policy
- Statistics
  - Exports by Commodity
  - Mineral Reserves

**Welcome to Tanzania's Mining Cadastre Portal**

Welcome to the Online Mining Cadastre Transactional Portal of the Ministry of Energy and Minerals. The Portal is open for the registration of valid Division A and B licence holders. Once registered, users can view their portfolio details. Once new regulations are in place, the Portal will allow for renewals, relinquishments and cancellations, as well as make other transactions.

To use the portal, you are first required to register in person the process as well as download the required forms by clicking the registration process.



- Mining Cadastre
  - Home
  - Sign In
- Registration
  - Registration Process
  - Registration Form
- External Links
  - Mining Cadastre Map
  - Madini Facebook
  - Madini Twitter
  - Share on Social Media
- Legal
  - Contacts
  - Terms of Use
  - Privacy Policy

**Sign In**

Email:

Password:

[I've forgotten my password](#)

**Terms of Use Summary**

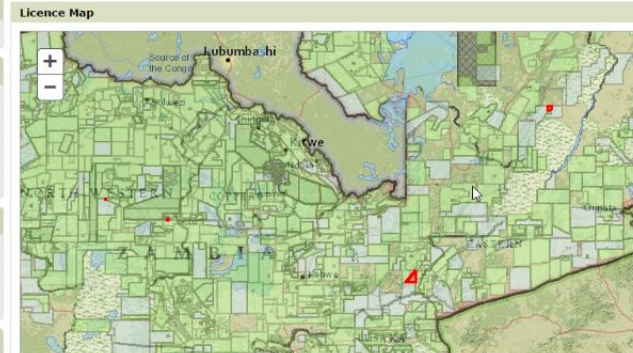
This Mining Cadastre Portal is provided as a public service. By accessing this system you hereby agree to the Terms of Use. Access to this Mining Cadastre Portal by any person or company is strictly prohibited and may result in legal action. The Mining Cadastre Portal and all of the information expressed or implied. All implied warranties, including, without limitation, any implied warranties of merchantability, fitness for a particular purpose, and non-infringement, are hereby disclaimed. Under no circumstances will the Kenyan Ministry of Energy and Minerals be liable for any direct, indirect, special, incidental, consequential or any other damage to which this site is linked, including, without limitation, any damage to data, information, or any other programs or information, even if the Kenyan Ministry of Energy and Minerals has been advised of the possibility of such damages. During the verification stage, all data within the portal is subject to change.



- Licence Management
  - License Portfolio
  - Submit Payment
  - Submit Report
  - Licence Application
- Payments
  - Payment History
- Profile
  - Edit My Details
  - Edit Company Details
  - Switch Company
  - Logout
- External Links
  - Mining Cadastre Map
  - ZEWD Website
  - Share on Social Media
- Legal

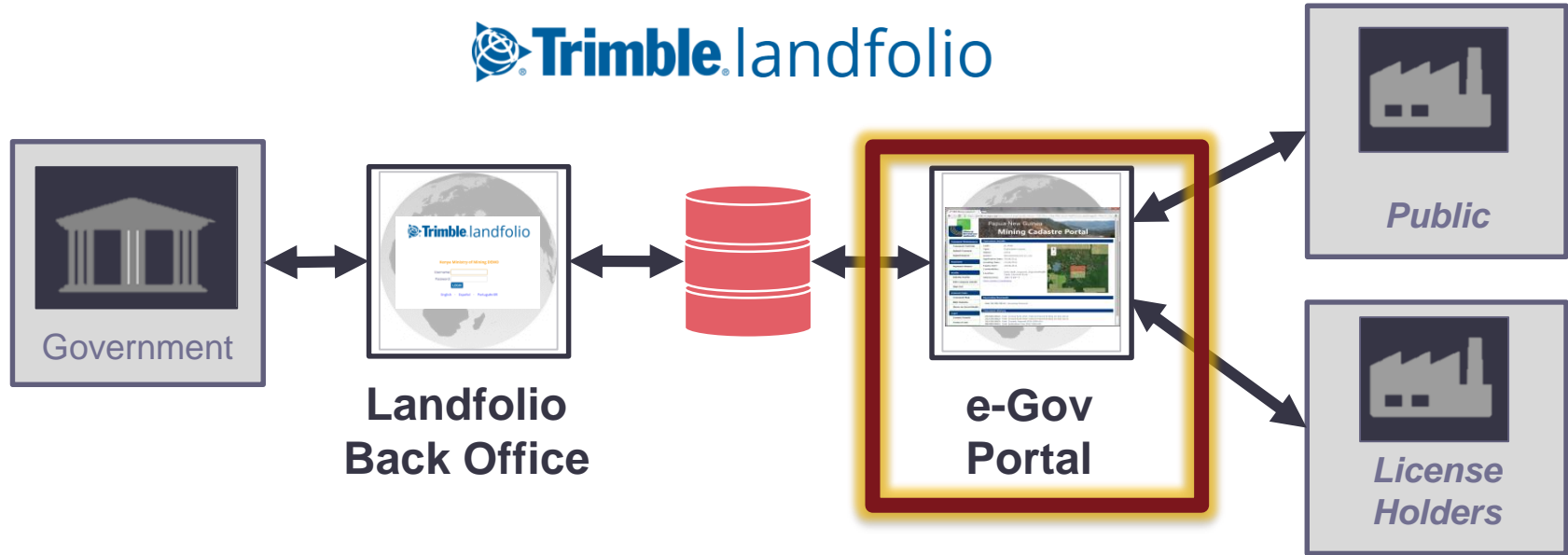
**List of Licences - Afro Metals Zambia Ltd**

Code	Type	Status	Application Date	Granted Date	Expiry Date
<a href="#">14566-HQ-SML</a>	SML	Active	13/04/2010	02/06/2010	01/06/2020
<a href="#">14567-HQ-SML</a>	SML	Active	13/04/2010	02/06/2011	01/06/2021
<a href="#">17324-HQ-LPL</a>	PL	Application Validated	06/06/2012		
<a href="#">10572-HQ-LPL</a>	PL	Active	10/01/2013	08/05/2013	07/05/2015
<a href="#">18615-HQ-LPL</a>	PL	Active	18/01/2013	25/06/2013	24/06/2015



# Landfolio Solution Architecture

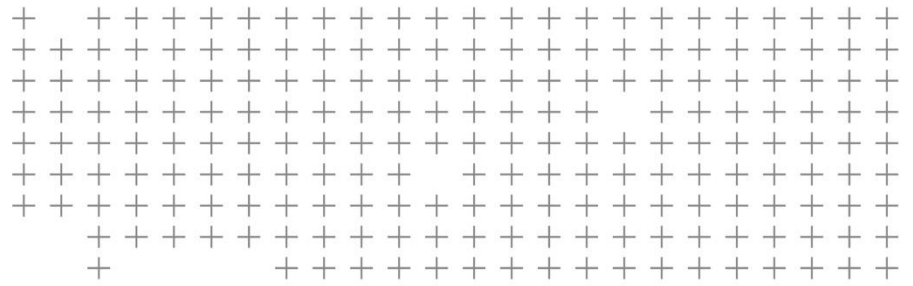
Multiple Interfaces  
Shared Database  
Shared business logic



# e-Gov Portal Benefits for Mozambique



- Online Licence Applications
- Improve revenue collection with online payments
- Submit Reports
- Renewals
- Communication with Tenure Holders
- External Stakeholder Engagement
  - Civil Society
  - Communities
- Auction / Bidding Areas



Mr Geraldo Valoi  
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 **Thank you**