



IMPLEMENTATION OF MINING CADASTRE INFORMATION MANAGEMENT SYSTEM (MICIMS) IN TANZANIA

MINISTRY OF ENERGY AND MINERALS

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OUTLINE

1. INTRODUCTION
2. MCIMS
3. FROM OLD SYSTEM TO FLEXICADASTRE AS A TOOL
4. CHALLENGES
5. CONCLUSION



Introduction

- **MCIMS** - the Mining Cadastre Information Management System which
- Due to increase number of applications since 2004, the workload for the Ministry especially licensing and mineral rights registry was increased tremendously.
- To accommodate the investment pressure and compliance



WHY MCIMS?

MAJOR CHALLENGE BEFORE MCIMS

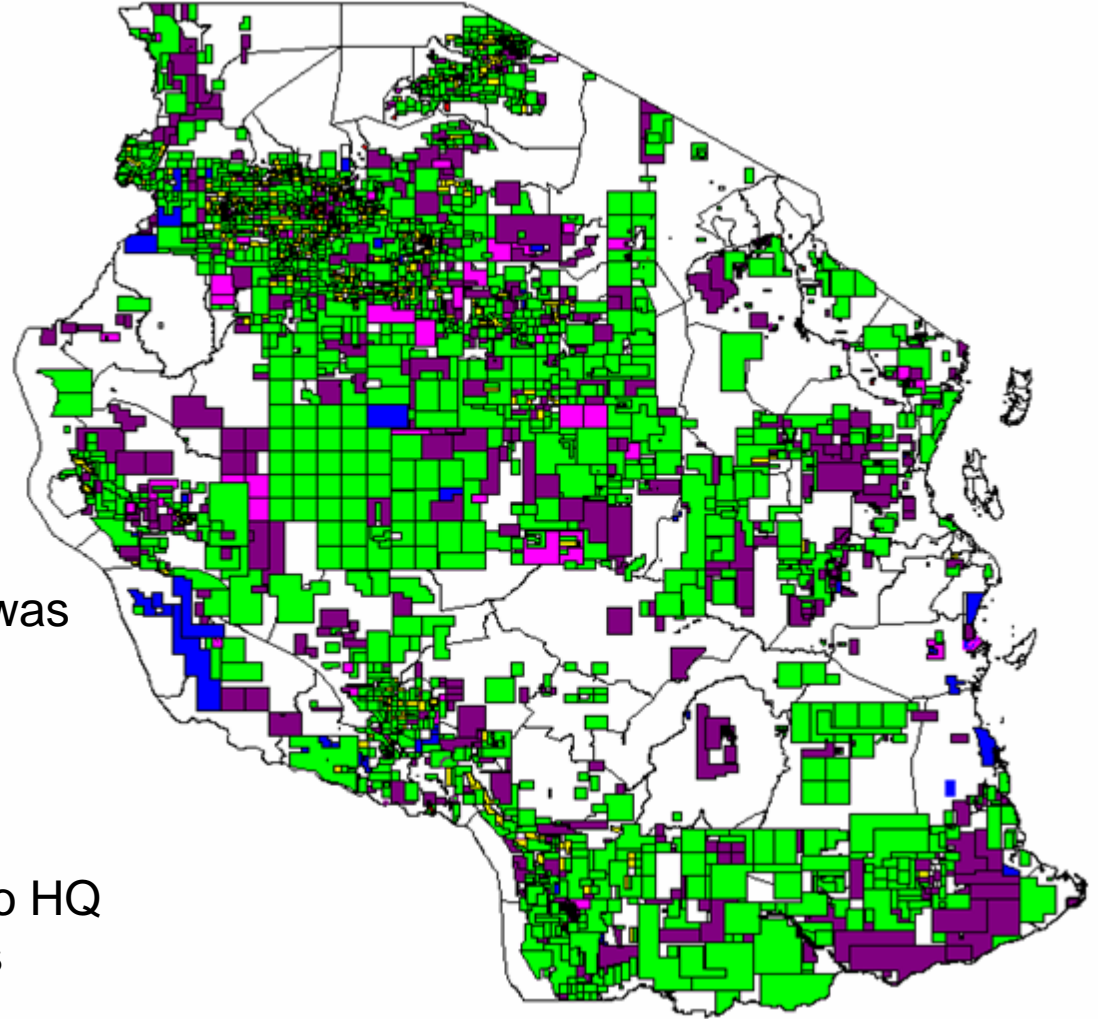
- i. Increased mining activity has resulted in extreme work-loads on the Minerals Division of the Ministry, exceeding the capacity of LMR, ZMO and RMO.
- ii. Situation was denying Government revenue
- iii. Impact on investment climate



The Old system- MapInfo

Problem faced

- i. Single man controlled Database
- ii. Delivery of update to regional offices was difficulty
- iii. No participation of regional officers in processing applications
- iv. First come-first serve was impractical
- v. Was difficulty linking regional offices to HQ
- vi. Time consuming to deliver documents (applications) to the HQ





Objectives of the MCIMS

Develop, install and deploy the MCIMS in the Ministry so as to enable the Ministry to

- Process licence and permit applications efficiently and in accordance with the provisions of the Mining Act and Regulations;
- Systematically monitor the operations of all licence holders and their compliance with the mineral sector policy, the Mining Act and the Regulations;
- Take prompt action to ensure compliance by all licence holders; and
- Sustain the MCIMS and the capabilities it provides.



NEED FOR MCIMS

To improve issuance of mineral rights, trading licenses and permits

- First – come- first served principle
- Transparency in issuance of minerals rights
- To ensure Mineral rights exclusivity
- Mineral right possessors compliance with mining laws



THE MCIMS

The government looked into how best to administer and oversee the development of the mineral sector. In March 2003 – It was recommended the use of Mining Cadastral Information Management System (MCIMS) by doing the following components:-

- ✓ Verification of coordinates for all mineral license areas (re-survey)
- ✓ Complete mineral rights inventory .
- ✓ Amendment of Mining Act and the Regulations be amended to streamline licensing procedures and their administration
- ✓ Use of single projection to define coordinates of all license areas.



MCIMS ROLE

- MCIMS is not only a computerized system as it necessarily includes handling of hard-copies.
- However, the computerized part is fundamental in complying with the objectives, in particular to:
 - Systematically monitor the operations of all licence holders and their compliance with the mineral sector policy, the Mining Act and the Regulations
 - Take prompt action to ensure compliance by all licence holders

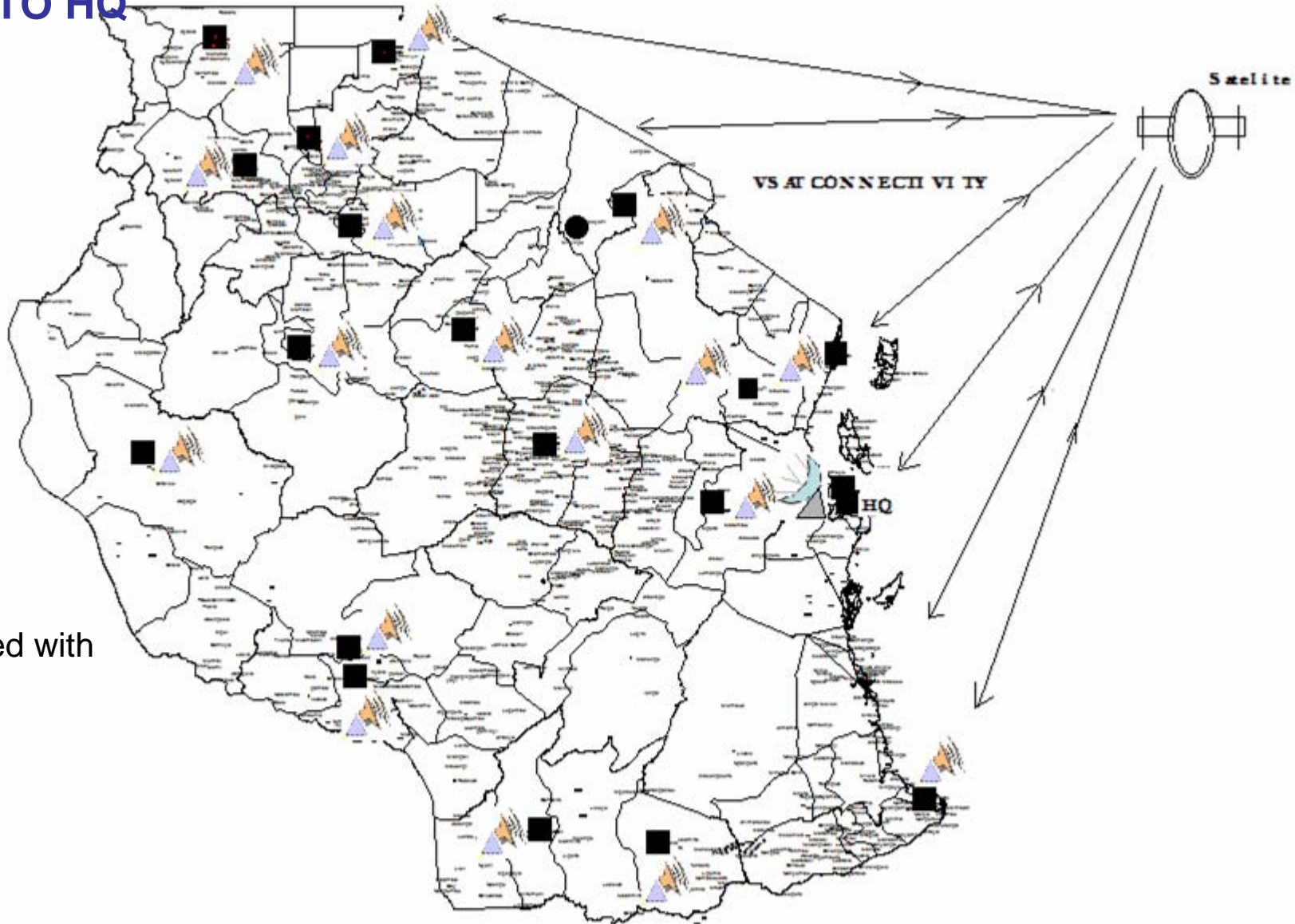


How regional offices are connected

- Central Mineral Rights Register is placed in Dar es salaam
- Users in regional offices are logged in the system remotely
- Every office reach HQ system using VSAT
- Internet access in regional offices is served through proxy



CONNECTIVITY TO HQ



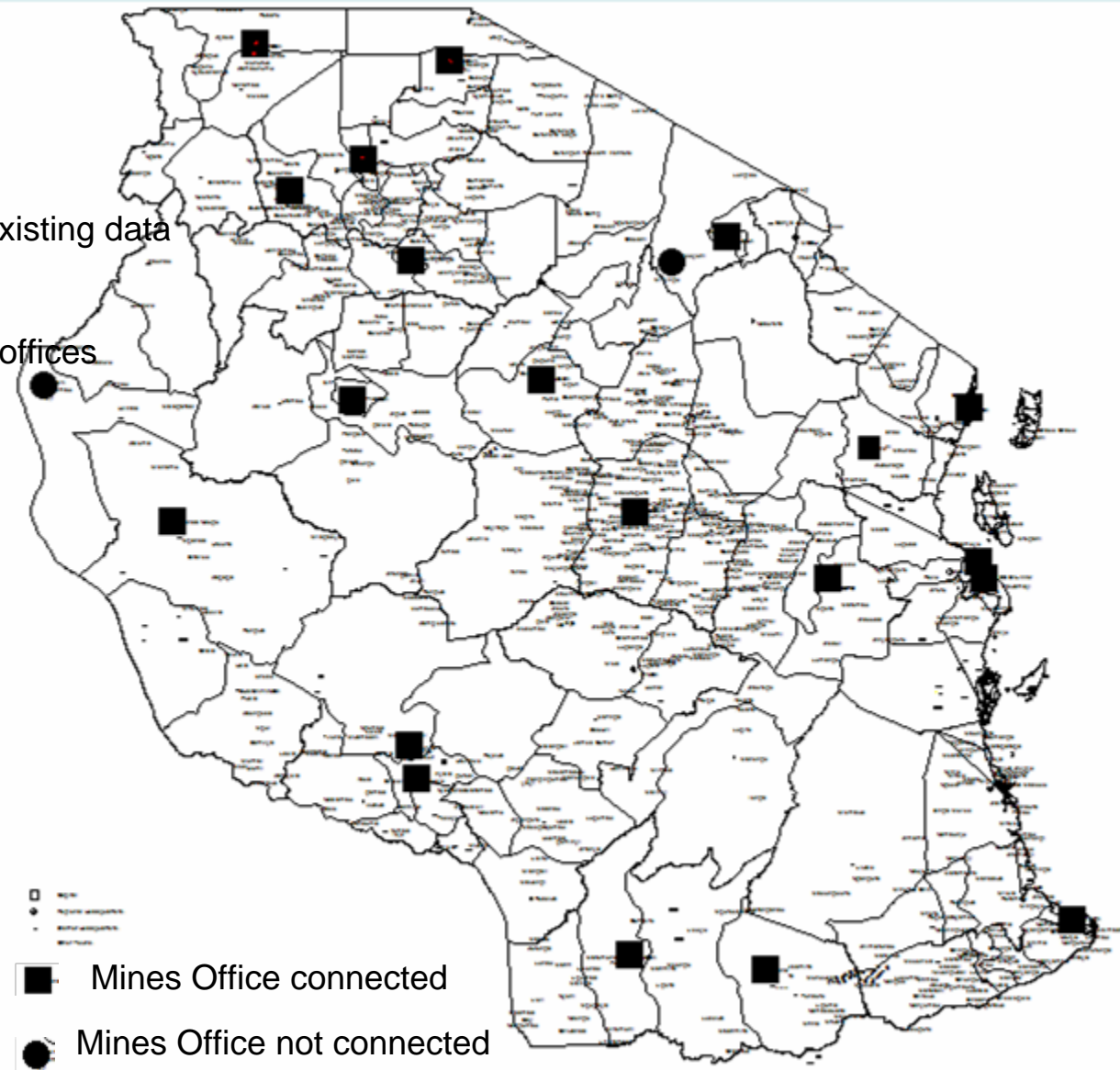
Each Office is equipped with

- i. Satellite dish
- ii. Cisco router
- iii. Switch



WITH MCIMS- FLEXICDASTRE

- a. Regional offices are contributing in updating existing data
- b. Entering new applications for small scale licenses and prior process is done in regional offices
- c. Scanning and attaching documents in the system reduces delay of processing
- d. First come-first served is applicable
- e. Transparency





Flexicadastre in a full swing

FlexiCadastre - Windows Internet Explorer

http://svr02dsm/FlexiCadastreTanzania/Flexicadastre.htm

Google

FlexiCadastre

User: Silimu R. Mtigile
Version:2.2.1 (Release) Database:2.2.1
Copyright:© Spatial Dimension 2005 - 2007

FlexiCadastre Tanzania

Home

License Search

Home
Diary
Regions
Licenses
Actions
Approvals
Companies
People
Agreements
Documents
Map
Reports
My Settings
Admin Tools
Help
Legal
Logout

License Summary

License Type Group	Application	Active	Inactive
Mineral Trading	53	551	180
Division A	4336	2736	911
Explosives	0	5	1
Division D	7974	7172	992
Division B	36	161	23

1

Action Summary

Actions	All Actions	My Actions
Overdue:	23586	0
Due today:	94	0
Due this week:	826	0

1

What's new in FlexiCadastre

What's New

- Approvals functionality on actions
- Complex/child actions implemented to simplify workflows
- Customizable ownership types on licenses
- Improved notification functionality including SMS
- Log of all emails sent from FlexiCadastre
- New Projected Co-ordinate System functionality
- Tax fields added to payments
- Work commitment interface improved

1

My Searches

Name	Search Type
ALL COMPANIES	Company
ALL PEOPLE	People
Gold Rim	License
Granted PML Nov 2006 to date	License
Survey imports	Action

1

All Notifications ([Today's Notifications](#))

My Filters

Done

Local intranet 100%

Microsoft PowerPoint - [...]
FlexiCadastre - Windows...

15:55 Thursday



FLEXICADASTRE

Example- applications submitted from Tanga office electronically to Central Registry in Dar es Salaam

FlexiCadastrre - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://192.168.20.4/FlexiCadastrreTanzania/Flexicadastrre.htm>

Google Go Bookmarks Popups okay Check AutoLink AutoFill Send to Settings

FlexiCadastrre Tanzania User: Ally Samaje
Version:2.2.0 (Release) Database:2.2.0
Copyright:© Spatial Dimension 2005 - 2007

License Search Licenses > Search [Clear Search Criteria](#)

Code: Jurisdiction: Status Group: Application [Advanced](#)
 Name: Type Group: Division D Status:
 Party: Type:

Search returned 67 results (4.47 km²) Report: View: Extract: Tools:

Del.	All	Map	Code	Name	Parties	Type	Resources	Status	Applied	Granted	Expires	Area	Map Reference
<input checked="" type="checkbox"/>	<input type="checkbox"/>		TA 74/07	JUSTINA P. RUSALI (100%)	PML-AoBM	Gemstone	Application	05/07/2007				5.68 ha	Eastern, Tanga, Korogwe
<input checked="" type="checkbox"/>	<input type="checkbox"/>		TA 75/07	JUSTINA P. RUSALI (100%)	PML-AoBM	Gemstone	Application	05/07/2007				5.68 ha	Eastern, Tanga, Korogwe
<input checked="" type="checkbox"/>	<input type="checkbox"/>		TA 77/07	Arif Muhamed Marshed (100%)	PML-BM	BM	Application	16/07/2007				1.99 ha	Eastern, Tanga, Korogwe
<input checked="" type="checkbox"/>	<input type="checkbox"/>		TA 78/07	Arif Muhamed Marshed (100%)	PML-BM	BM	Application	16/07/2007				1.16 ha	Eastern, Tanga, Korogwe
<input checked="" type="checkbox"/>	<input type="checkbox"/>		TA 78/07	Arif Muhamed Marshed (100%)	PML-BM	BM	Application	16/07/2007				0.90 ha	Eastern, Tanga, Korogwe
<input checked="" type="checkbox"/>	<input type="checkbox"/>		TA 78/07	Kassim Msikiti	PML-							5.17 ha	Eastern, Tanga,

Internet



Challenges faced during deployment of the system in Regional sites

1. Limited number of resources
 - Procurement of computers and equipment
 - Training of staff
2. Poor infrastructure to reach regional sites
3. Dirty data imported from old system
4. Small number of technical personnel (distribution of workload)
5. Response on adoption to use the system



Success through Flexicadastre

- a. System will have reliable data
- b. Time consumed to process application will be reduced
- c. Transparency will be practical
- d. Work load reduced at HQ as the primary processing is done in regional offices (small scale applications)



We believe Tanzania (Minerals Department) is going to have Professional user of FLEXICADASTRE



- Thank you for your attention
- Question / opinion
- Let Flexicadastre work for us