Using GIS in the City of Cape Town

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Background

22,000 employees
21 Departments utilizing GIS
328 Desktop GIS users
Located in different offices
Corporate GIS Vision

Professional GIS

Assemble, manage & analyze geographic information.

Publish

Enterprise

Cloud

Publish your work via ArcGIS for Server or the ArcGIS Online cloud.

GIS for Everyone

Web

Mobile

Desktop

Now anyone can access your maps & apps on any platform!
Challenges

- Silo breakdown
- Governance of GIS standards & policies
- Align departmental work flow process
- Dependencies: Departments, hardware
- Convincing departments to Centralise
IKM: Issues Identified

Poor sharing & integration of info between Departments

What information already exists?

and where?

Time spent searching for information

Knowledge is not captured and is lost when people leave
Meetings with departments to:

- **Inventory** departmental data
- **Create awareness** around data dissemination
- **Obtain GIS related issues** from users

**Spatial Data Assessment**

**Spatial Data Catalogue**

- Data Custodians
- Availability

**Data Dissemination**

- Spatial Information Portal
- Business Viewers
Successes

1. Integrated Spatial Information System
   ✓ 9 Departmental processes & Financial system
   ✓ Implemented a Property Value Chain process
   ✓ Developed a Corporate GIS Viewer

2. GIS & IKM Strategy
   ✓ Buy in from Top Management
   ✓ Meet & work with 21 GIS Departments

3. Management: Enterprise GIS
   ✓ Good Technical knowledge & skills (Internal Resources)
   ✓ Migration/centralization of departmental information
   ✓ Dissemination via Spatial Information Management Portal
Implemented a city wide GIS strategy

Policies for Spatial standards & dissemination

GIS User group & GIS Management forum meetings

Disseminate spatial information (internal & external)

Provide training on the use of GIS Viewers/Tools
Lessons Learned

Proper buy-in from all stakeholders

Partnerships is key

Show advantages/benefits of utilizing GIS

Constant interaction/communication

Generate enthusiasm for data sharing & utilization
Applications into Service Delivery

1. Support:
   - City Planning
   - Projects
   - Business processes

2. Utilize:
   - Strategies
   - Policies
   - Acts
1. Implemented a Workplace Skills Plan

2. Personal Development Plans for all staff

3. ESRI training approved by supply chain

4. Other GIS short courses e.g. US

5. ELA agreement with ESRI for licenses

6. All Departments contribute based on usage
1. GIS for Non GIS Managers course
2. GIS Viewer Training (Expand)
3. Involved with WDC2014
4. Improve GIS Support to Departments
5. Open Data Project
6. “GIS to Public” Initiative
Summary: Basic Implementation Requirements

Priority

Vision
Human Resources
Data
Software/Hardware
System Integration
Partners (linked to 1)
Marketing/ Awareness (linked to 1)
Spatial Information Management Portal (Live demo)


Spatial Viewers (Live demo)

- Public Viewer ([www.capetown.gov.za](http://www.capetown.gov.za))
Thank You/ Questions

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