

University of Pretoria, South Africa CSIR, South Africa

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#### **South Africa**





#### **South Africa**



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# THE THE PARTY OF T

#### South Africa, a Rainbow Nation

**Eleven Official Languages** 

**Afrikaans** 

English

IsiZulu

IsiXhosa

**SiSwati** 

Ndebele

Southern Sotho

Northern Sotho

Tsonga

SeTswana

Venda







#### **South Africa**

47.9 million people (mid-2007 estimate by Statistics SA)

9 provinces

262 municipalities

6 metropolitan municipalities

±11 million households (Census 2001)

with access to piped water: 66,1% in 2002 to 71,3% in 2006 living in informal structures (shacks): 12,7% in 2002 and 14,5% in 2006

7 million land parcels

±500,000 sectional title properties

Largest address database: 3.6 million







#### **Overview**

- I. South African addresses
- 2. SA Address standard
- 3. Benefits of addresses
- 4. Perceived disadvantages of addresses
- 5. Acknowledgements







#### I. South African addresses

## No official address register Many sources of address-related data Surveyor General

One integrated digital cadastre for the whole country

#### **Registrar of Deeds**

Property ownership

#### **Chief Directorate Surveys and Mapping**

Topographical maps

#### **Municipalities**

Address allocation, property taxes

#### **South African Post Office (SAPO)**

Postal delivery

#### **South African Geographical Names Council**

Standardized geographical names; Redress, correct and transform geographical naming system

#### Utilities for service delivery such as electricity and telecomms

Service delivery points







66

70

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#### 1. South African addresses

#### **Street Address:**

14 Glenvista Street Woodhill

Pretoria

(City of Tshwane)

Gauteng

#### **Surveyor General ERF Description:**

Town: PRETORIUS PARK EXT 8

Major Region: JR

Erf: 686 Portion: 0 SG Code:

T0JR02050000067600000

#### **Building:**

Glen Hills No 6 Glenvista Street

Woodhill

Pretoria

Gauteng



74 18

12

#### PO Box Address:

PO Box 153

(Kromdraai)

0081

#### **Deeds Office ERF Description:** Proclaimed Town: Pretorius Park

Ext 8

Erf: 686,0

Deeds Office: Pretoria (T)

Woodhill

Woodhill

0081

**Postal Street** 

14 Glenvista Street

Address:

(Kromdraai)

20

GLENNISTA ROAD



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The value of addresses to the economy, society and governance – a South African perspective



#### I. South African addresses

#### **Urbanization**

Informal settlements

- Initially no individual cadastral properties
- Some of the settlements are acknowledged legally
  - Services are delivered in informal settlements
  - Plan is to replace them with formal housing
    - » Formalizing the informal cadastre
- Dynamic dwelling demarcation
  - e.g. after fires







#### I. South African addresses

#### **Apartheid legacy**

#### Transformation of naming system

Controversial, e.g. Pretoria vs Tshwane

#### Historically black townships

- Wide variety of addressing systems
- Many areas with house numbers only, no street names
- Assigning street names is a long process

#### Tribal areas

- Communal lands
- Single cadastral land parcel per tribe







## South African National Standard (SANS)

SANS 1883-1, Geographic Information — Address Standard, Part

1: Data format of addresses

SANS 1883-2, Geographic Information – Address Standard, Part

2: Guidelines for addresses in databases, data transfer, exchange and interoperability

SANS 1883-3, Geographic Information – Address Standard, Part

3: Guidelines for address allocation and updates





#### 2. SA Address Standard

#### **Address**

An address unambiguously specifies a point of service delivery

#### Point of service delivery

Actual location where a service could be provided

#### **Examples of services**

Postal mail

Utilities: electricity, water, telecomms, sewerage

**Emergency services** 

Proof of residence for financial transactions

**Elections** 

Household surveys







#### 2. SA Address Standard

#### **Traditional formalized:**

#### **Street Address**

Dr Lategan Road, Groenkloof 1736 Pretorius Street, Arcadia, 0083



#### **Intersection Address**

Corner of Kings and Richmond Roads, Mowbray

## **Site Address**25436 Soshanguve CC Portion 938 Mooikloof









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#### 2. SA Address Standard

#### **Composite:**

#### **Landmark Address**

Parliament, Cape Town Voortrekker Monument, Pretoria





#### **Building Address**

Election House, 260 Walker Street, Sunnyside 2<sup>nd</sup> Floor, Celtis Plaza, Schoeman Street, Hatfield







#### 2. SA Address Standard

#### **SA Post Office:**

SA Post Office-Type Rural Village Address 012151 Ngxingxolo, Mooiplaas, 5228



Private Bag X2438, Glenstantia, 0010

**SA Post Office Street Address** 

477 Chopin Street, Glenstantia, 0181

**SAPO Poste Restante Address** 

Poste Restante, Hazyview, 3928







#### 2. SA Address Standard

#### **Descriptive:**

#### Farm Address

Tabakskuur, Grootgelukplaas, Kimberley Road, Bloemfontein

#### **Informal Address**

Opposite the butcher shop, Tsamaya Street, Mamelodi

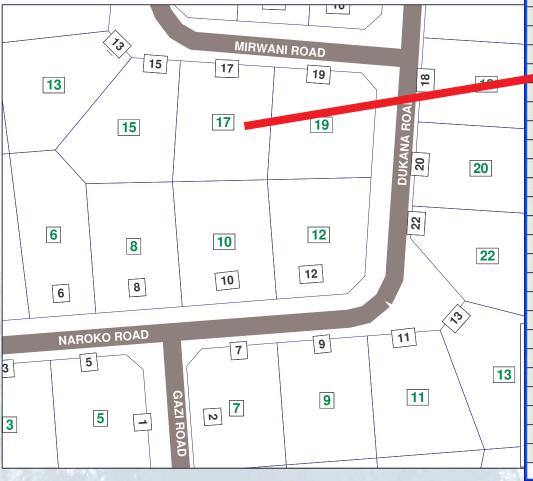




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#### 2. SA Address Standard



■ Dataview1 - SANS 1883 Address Info	
ID	190
Longitude	28073662
Latitude	26028239
AddressID	188844
StreetNumber	17
StreetName	MIRWANI
StreetType	ROAD
UsedName	
RegisteredName	SUNNINGHILL EXT.2
XCoordinate	28.073662
YCoordinate	26.028239
PointOfObservation	Centre of land parcel
AddressType	Street Address
LifeCycleStage	Active
OfficialStatus	Official
DataProvider	City of Joburg
DataSource	City of Joburg
STR_CODE	07303
STATUS	P
LENGTH	3.000
SG_ID	T0IR0642002000004380000000
STR_CD	030941
ERR1	0
ADDEDBY	
ADDEDON	
SHAPE_LEN	3.00003378355





#### 3. Benefits of addresses

### **Economy**

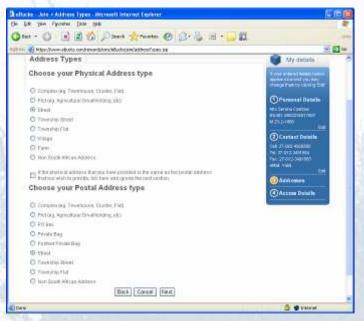
Retail outlet planning

Provide outlets close to customers

Capturing details of customers

Collating a national address database









#### 3. Benefits of addresses

#### **Society**

Social status

- Sense of identity
- Being recognized as a full citizen

Providing proof of residential address

Opening bank accounts and buying on credit

#### **Emergency services**

Routing and providing assistance during disaster management

Connecting households to utilities

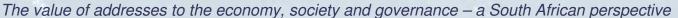
Water, sewerage, telecommunications and electricity











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#### 3. Benefits of addresses

#### **Governance**

Elections

Facilitating participation by all eligible voters Ensuring accessibility to voting stations

Census and household surveys
 Ensuring inclusion of all targeted households
 Planning and monitoring execution



Financial Intelligence Centre Act (FICA)

Combat money laundering

Exchange of data between local, provincial and national authorities

Coordinating planning of service delivery



The Star, 28 April, 1994





#### 3. Benefits of addresses







#### **SAPO** rural addresses

Government policy is to provide every citizen with mail delivery to their place of residence

2006/2007 Roll-out

- Target: 1,645,678 new addresses
- Actually assigned: 1,819,211 addresses







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## 4. Perceived Disadvantages

Rates and taxes

Serving of summons and other legal notices

Being tracked down by police

Bills and debt collection





### 5. Acknowledgements

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CSIR

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## Thank you!

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