

“Achieving the Vision”
 Geo-statistical integration addressing South Africa’s Developmental Agenda

**“Accelerating City Transformation for
 Inclusion, Growth & Sustainability**
 ... the role of the evidence-base (geospatial information and statistics)
 ... how are South African Cities doing it ...”

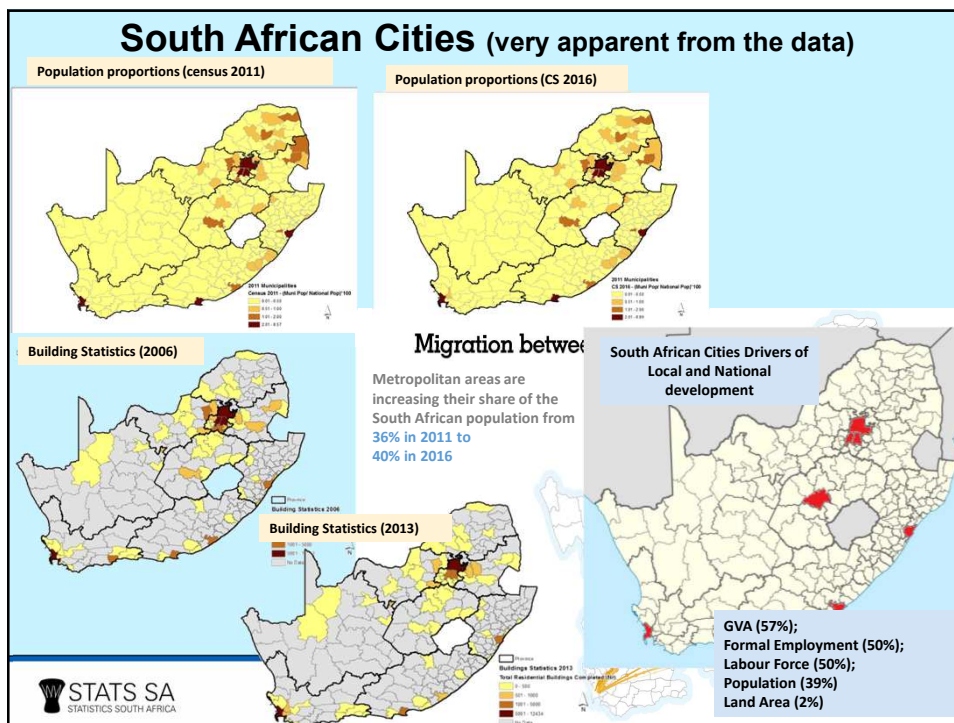
Kunming Forum
 Theme (Cities of the Future: SMART, RESILIENT, SUSTAINABLE)
 Session #3 (Smart and Resilient Cities: Leveraging Integrative Information Systems)
 Kunming, China, May 2017

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smart cities - can do the basics well (good service delivery, governance, public participation, financial management); grow inclusively; create jobs, foster social cohesion, bridge the digital divide, etc.

STATS SA
 STATISTICS SOUTH AFRICA

THE SOUTH AFRICAN KNOW THE HOME



Aligning to Global, National & Local policies

... how are South African Cities doing it ...

Alignment of global, national & local developmental objectives

Mechanisms for spatial transformation of cities
but linking important

Municipal Infrastructure Investment Framework (MIIF)

SPLUMA (Spatial Planning & Landuse Management Act); SDF (Spatial Development Framework)

Built Environment Performance Plans (BEPP) (Compliance of DoRA – Division of Revenue Act) (Urban networks; integration zones; marginalised areas; growth nodes)

Grow the economy
Create sustainable jobs

Rural development
Reversing spatial effects of apartheid

2030 NDP

Rural development

im-Term Strategic Framework (2014-2019)
tises government ammes across the es of Government.

ts the commitments in the election
ests of the governing

Cities have to report on about 2572 indicators; about 18467 data items!

Integrated Development Plans (IDPs) for Cities (& local authorities) (5 year plan with annual reviews)

It's the Real-Deal (Actions on the ground)

Link with long-term development planning/ envisioning/ imagining

Partnering (begins at home - Intergovernmental Coordination – vertical & horizontal)

settlements, transport, social and c areas)

Towards better comprehension for inclusion, growth & sustainability,

the role of geospatial information and statistics

... how are South African Cities doing it ...

Capital investment matching city spatial priorities

Priority Areas

Mapping City's Deprivation Scores

Jo'Burg's Spatial Vision, SDF 2040 (Corridors of Freedom) (Reverse apartheid spatial patterns) (Compact, Inclusive, Connected, Resilient, Generative)

Situational analysis

Transformational Responses

Planning the Future - modelling exercises (economic, social, environmental transformation)

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... how are South African Cities doing it ...

CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Situational analysis Growing analytical needs across space and time for transformation

Transformational Responses

Key strategies –
 Planning for employment and improving access to economic opportunities;
 Manage growth (urban development & environmental protection);
 Building an inclusive, integrated & vibrant city.

Primary spatial transformation levers (Integrated Spatial Planning – Integrated Public Transport Network linked to Transit Orientated Development – Integrated Human Settlement Framework)

Land Use and Transportation Modelling (for scenarios) (requires more complex datasets)

Employment

Vietnam (UISP)
 • Extent: 20,0ha
 • Informal dwelling count: in excess of 2000
 • Units upgraded: 1200 at 1:10,000
 Year 2007

Blikkiesdorp (TRA)
 • Extent: 13,0ha
 • Temporary relocation: over 1660 of 1950/ha
 Year 2007

Flamingo Crescent (Re-blocking)
 • Extent: 0,4ha
 • Informal dwelling count: 105
 Year 2007

Opportunity City – ... enabling environment deliver quality services to all residents, ... we g

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ETHEKWINI MUNICIPALITY

Key Developmental Challenges -

Unemployment data – Use of PAYE (Pay As You Earn) SARS (South African Revenue Services) – where people live; where people work; geo-coding about 18 million records.

Unemployment data – Censuses for below City level data; censuses data aging; QLFS does not supply below City level data

Economic data – Official statistics at high levels of geography; extensive use of private sector estimates

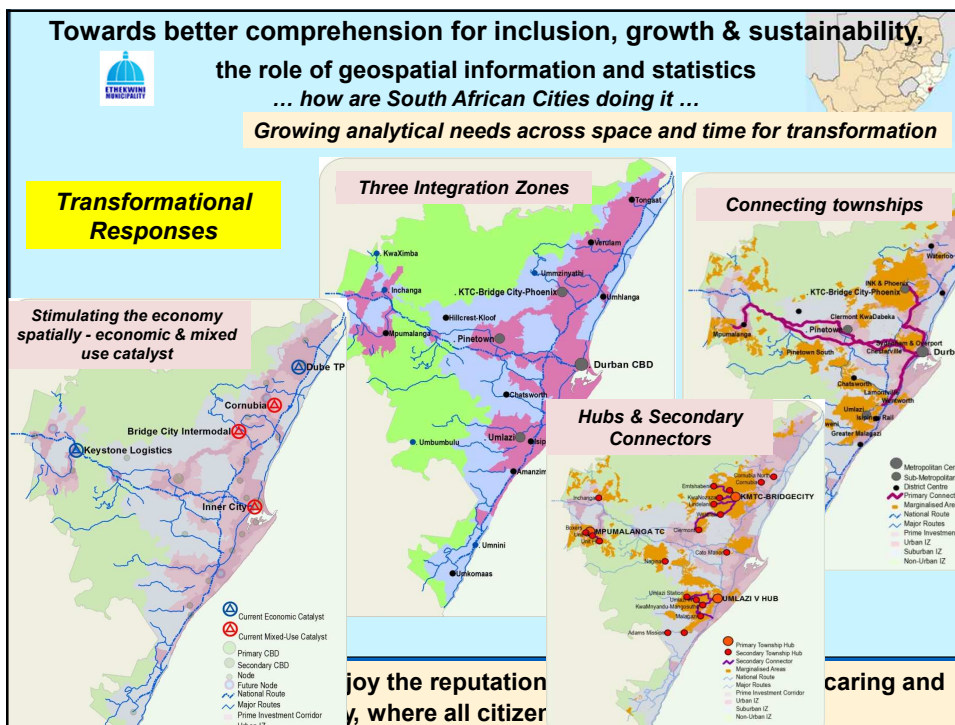
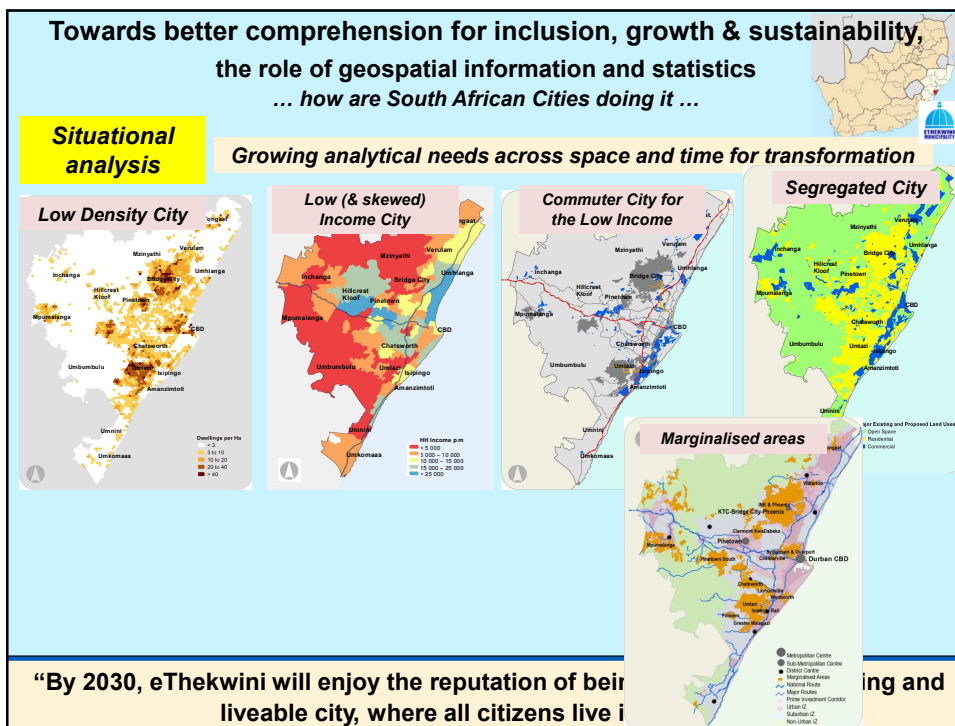
Strategic Priority Areas

Key Performance Areas

Eight Point Plan

- *The Spatial, Natural & Built Environment.*
- *Prosperous, Diverse Economy. Employment creation.*
- *Quality living environment.*
- *Socially equitable environment.*
- *Growth, empowerment & skills development.*
- *Cultural Diversity, Arts , Heritage*
- *Good Governance. Responsive Local Government.*
- *Financial accountability. Sustainable City.*

“By 2030, eThekweni will enjoy the re liveable city, where a



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City Barometers
City Dashboards
City Observatories

Growing analytical needs across space and time for transformation

SOUTH AFRICAN LOCAL GOVERNMENT ASSOCIATION
SALGA Municipal Barometer
Inspiring service delivery

Web-based portal

Partnership with Stats SA

South African Cities Open Data Almanac

GCR0 Gauteng City-Region Observatory

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THE SOUTH AFRICA I KNOW, THE HOME I UNDERSTAND

Concluding Remarks ...

- SA metros progressively embracing the New Urban Agenda of urban development, globalisation and national development. Also committed to SDGs, in particular Goal 11 on Sustainable cities. The Integrated Urban Development Framework (IUDF) is a prominent policy intervention by Government in the urban space (access, growth, governance & spatial transformation). SPLUMA requires SDFs for the spheres of Government.
- The need for *standardised data* (both geospatial & statistical) across cities, nationally and globally. (Intergovernmental reporting) (World Council on City Data (WCCD), ISO 37120 certified Cities).
- Serious lack of demographic, social and economic data for local analysis in non-census years. Survey data not able to provide sub-metro information. Results in the lack of comprehensive quantitative and qualitative analysis. Local plans become weak. Requires innovative thinking around (disaggregated) data & its methods.
- *Core administrative sources* (Population register; Business register; Address-cadastral/ Deeds-landuse/ valuation register) (geo-embedded) (coordination thro a National Statistical System) (legislative reform for access, linking, dissemination, etc.)
- *Over-arching* (minimum) data eco-system/ infrastructure for Cities & Local authorities, alike. Holistic approach. Minimise uneven development.
- Cities need to **PLAN, IMPLEMENT, MONITOR, EVALUATE, Go Back to PLAN**. (Past, Present, Future analysis) (data & models for future growth & development) (more complex data and skill set)
- The NSO (in this case Stats SA) must ensure that planning, monitoring and evaluation is informed by strong evidence base and planning tools.

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