"Achieving the Vision" Geo-statistical integration addressing South Africa's Developmental Agenda

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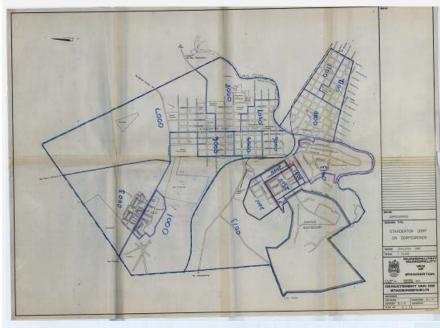
THE SOUTH AFRICA I KNOW, THE HOME I UNDERSTAND

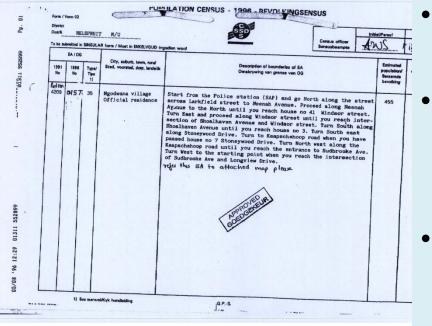
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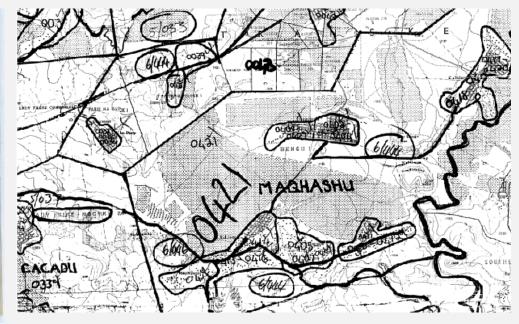
- Our experience. What has it thought us about geo-statistical integration?
- SA Spatial Data Infrastructure (SASDI)
- SA Developmental Agenda
- Spatial Analysis focus
- Concluding remarks



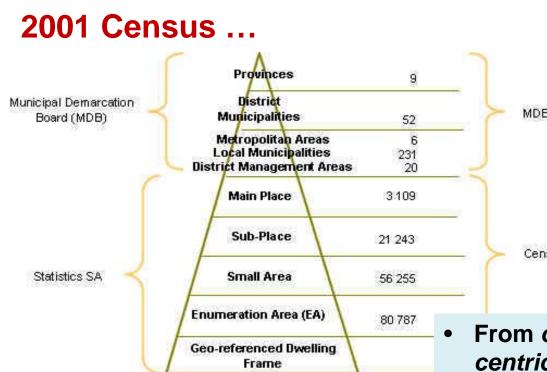
1996 Census laid the foundation for many things...







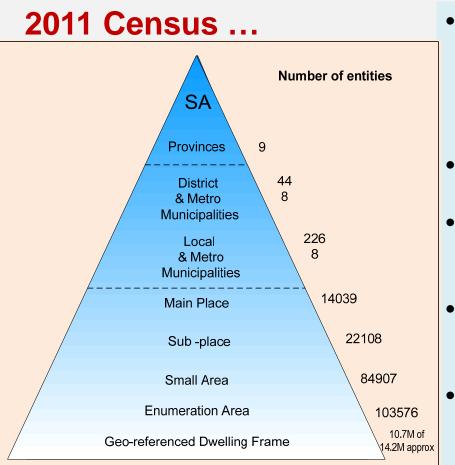
- 1st set of digital EAs for SA. 1st spatial set of places. SuperCross/ Map.
- 4 Government Departments working collaboratively towards common goal (Stats SA, Rural Development, Independent Electoral Commission, Municipal Demarcation Board)
- Key fundamental principles
 - Collaborative maintenance of fundamental geographic data sets
 - Geo-statistical building block







- From *census-centric to corporate centric* – Geography Division was established.
- Maintain a Standard Geographic Frame.
- Collaborative arrangements for spatial data.
- Addressing the un-addressed. The start of the Dwelling Frame. Aggressive data collection process from Cities, Municipalities, other Government Departments, private sector purchase.





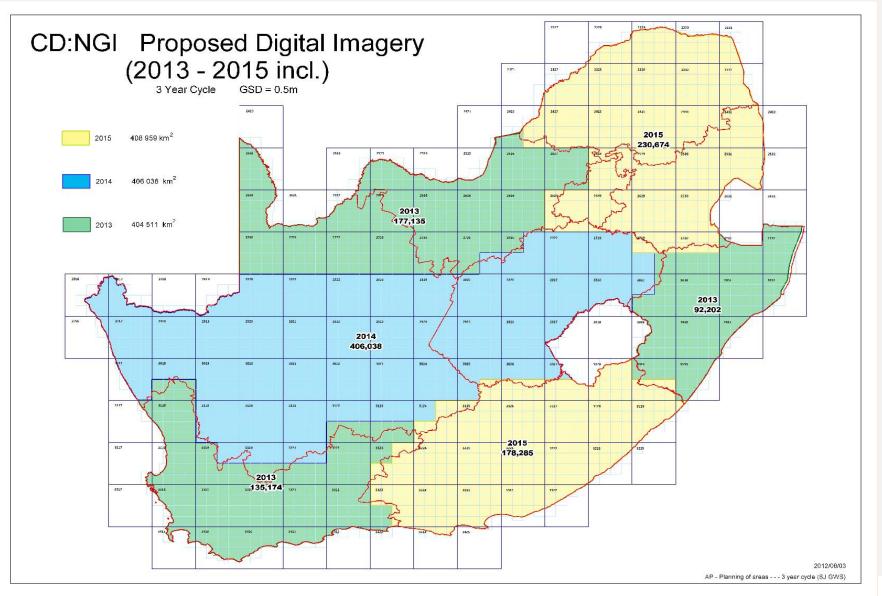
- Dwelling points together with aerial & satellite photography basis for demarcation. Dwelling Frame updated from census listings.
- Maintain a Standard Geographic Frame.
- Collaborative arrangements for spatial data.
- Resurrection of the Committee of Spatial Information (CSI) & SASDI.
- First draft of SA's National Development Plan was released.
- Team of 12 goes back to school "the CRUISE program" was established.



Collaborative arrangements for spatial data ...

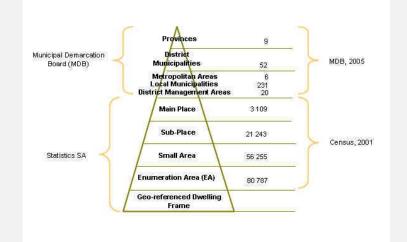
	National Government			Period		Cost		
	Departments	nents Data sets		Period		Cost		
CDNGI (Rural Development)		Imagery (2008-2011), topo sheets/ vectors, place names		Imagery-2008-2011		Gov data exchange; R7.7 mil		
	Dept of Human Settlement	Informal Settlements, RDP housing		2010 Gov data exchange				
	Dept of Education	School points		2010 Gov data exchange				
	Dept of Health	Hospitals, clinics		2009 Gov data exchange				
	Dept of Rural Development: Surveyor General	National Cadastre	Private Se Parastatal	ctor /	Data	a sets	Period	Cost
	Dept of Rural Development: Spatial planning	Tribal Boundaries						
	Dept of Water Affairs	Villages (rural comn and reservoirs			Counc Electo Autho Datab Street Intere Town Postal Schem	inces, Municipalities, District ncils, Magisterial Districts, toral Wards, Tribal norities, National Address abase, Cadastre, Deeds Data, et Centrelines, Points of rest, Suburb Boundaries, n Boundaries, Postal Codes, al Code Regions, Sectional emes, Proclaimed Town		
	Dept Of Local Government and Traditional affairs - KZN(Current Cogta)	Tribal Boundaries, w						
		Municipal Boundarie and Provincial boun						
	IEC	Wards and Voting st data where voting ta				daries, Built Up Coverage, I Communities		R. 500 000 for a three year maintainance cost.
		Police Stations, polic attributes (National Excel format						
	SanParks	Private nature reser national parks, prov	Eskom			Spatial)Building Count s and polygon data		Data exchange collaboration in place
		Imagery and vector zones, cadastre)	Geospace and oth service providers	er imagery	Image		·	Gov data exchange

Collaborative arrangements for spatial data continues ...





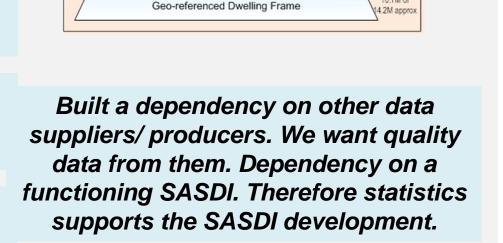
Our experience. What has stood the test of time? ...



Standard Geographic Frame (consistent & stable over time)

Geo-statistical Building Block against which information can be collected & rolled up for dissemination

Updated & reliable fundamental sampling frames: Dwelling/ Address Frames; the Business Frame



SA

Provinces

District

& Metro

Municipalities

Local & Metro

Municipalities

Main Place

Sub -place

Small Area

Enumeration Area

9

44

8

226

14039

22108

84907

103576 10.7M of



Resurrection of the Committee for Spatial Information; Establishment of SASDI ...

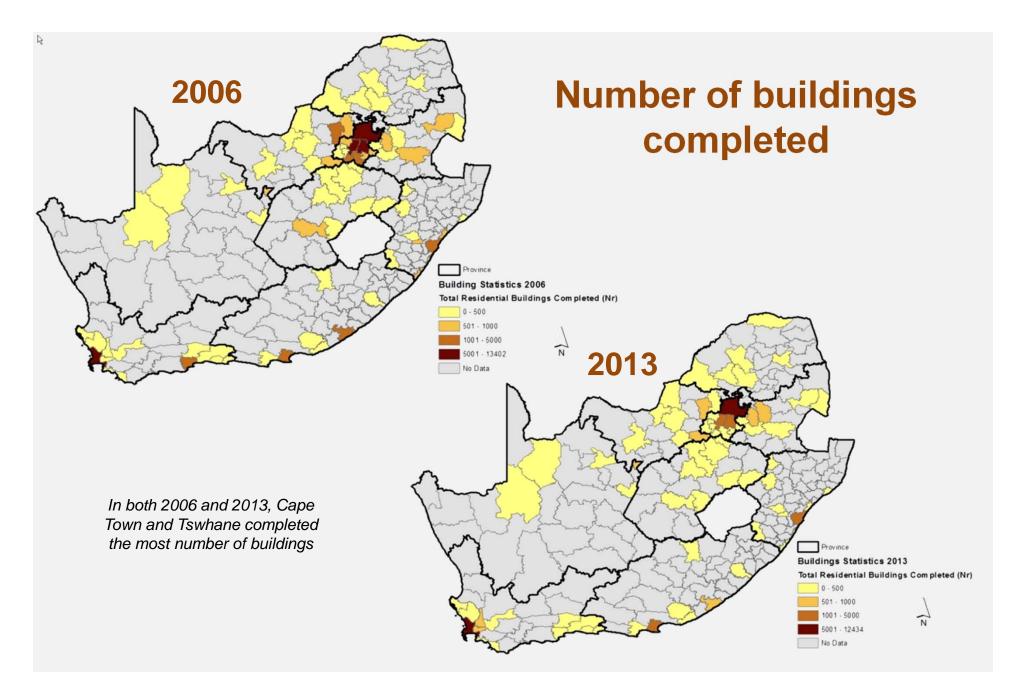
- SDI Act was promulgated in 2003.
- Main focus to establish South African Spatial Data Infrastructure (SASDI). Promoting Availability, Accessibility, Usability, Relevance, Reliability – for spatial information.
- 1st meeting of Committee for Spatial Information (CSI) June 2010.
- CSI Sub-Committees established. Work of sub-committees began April 2011. Stats SA was assigned responsibility for the Data Sub-committee.
- Achievements: Defining core spatial data sets & the list of data custodians; define & develop the metadata catalogue; SASDI Website up and running although not a fully-fledged geo-portal as yet; policies, guidelines & procedures drafted.
- Busy with South African Geo-Information Management Strategy:
 - Embedding spatial data within the country's Developmental Agenda. Giving it relevance. Promoting its usability.
 - Strategically locating the function of spatial data coordination; leadership



CRUISE Programme ...

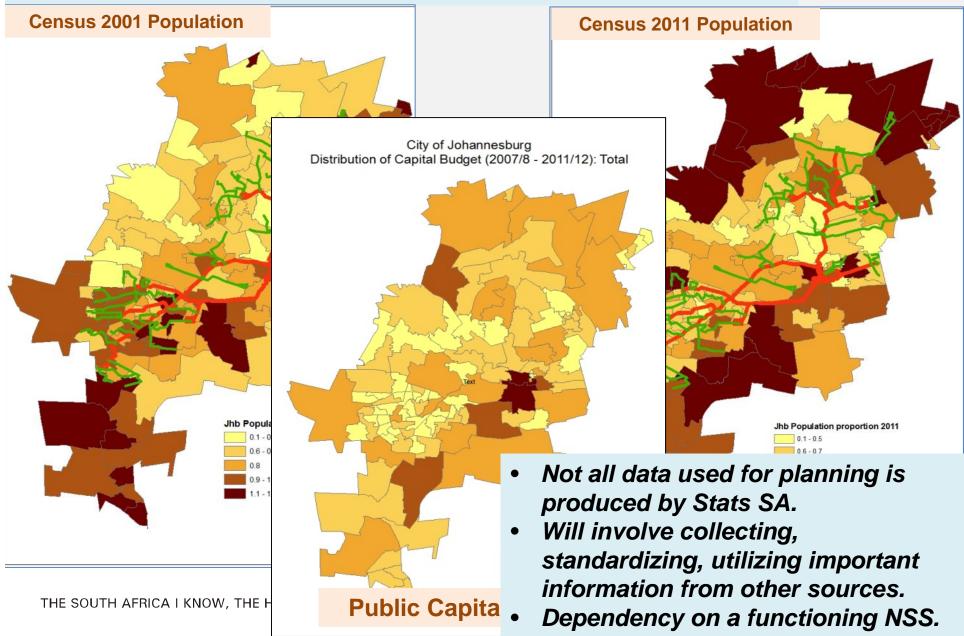
- Usability of data. The STORY about our country. Builds on our motto - The South Africa I know. The HOME I understand.
- Builds geo-spatial statistical thinking. Expands the depth & breadth of our information needs.
- 1 year intensive Masters Programme. Produces journal articles, dealing with critical aspects of our developmental agenda using spatial and statistical data like transforming spatial distortions in settlement planning; the impact of corridor development; municipal service delivery, etc.





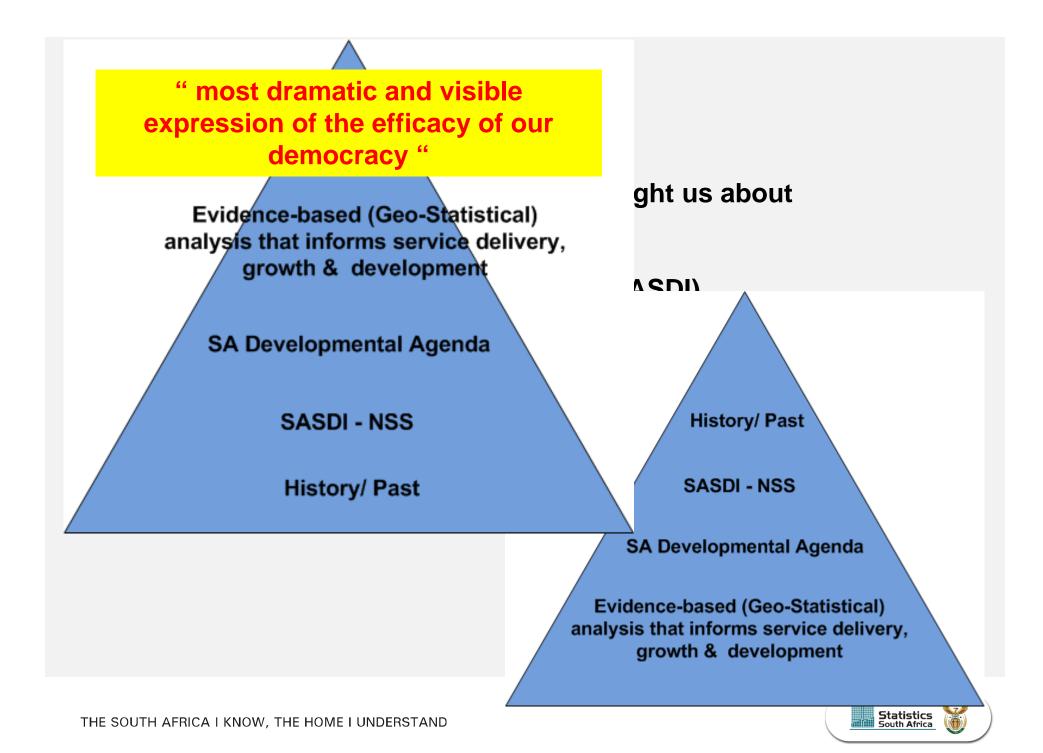
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Municipal Capital Investment Framework & Spatial Development Frameworks



Concluding remarks ...

- SASDI is not at a mature stage. Still difficulties with cooperation, data integration & harmonization, funding and leadership.
- Relevance with respect to SA Developmental Agenda for both the GEO & the STATISTICS needs re-strategising to collect, structure & present for Government's priorities.
- Censuses, surveys or statistical data in general, requires geography, the smaller (detail) the geography the better for planning. Statistics will benefit from a functioning SASDI & SASDI from statistics.
- Geo-statistical integration important. Stakeholders that collect statistics (like local municipalities, education, health, policing, and other sector Departments) must maintain the links with the smallest (lowest) geography – can be rolled up to place, ward, municipality, province or any other geography.
- Geo-statistical building block against which we all can collect data.
- Successful implementation of the National Statistical System (NSS)(part of the Statistics Act) & SASDI is important for South Africa's growth and development.



Thank U

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