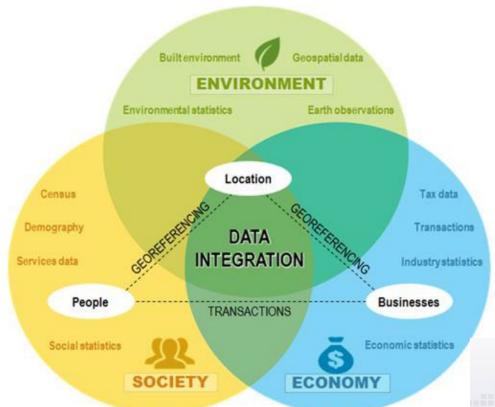
Presentation to the

Expert Group Meeting on the United Nations Demographic Yearbook
System









Source: The Global Statistical Geospatial Framework, United Nations (2019)

Stats Sa

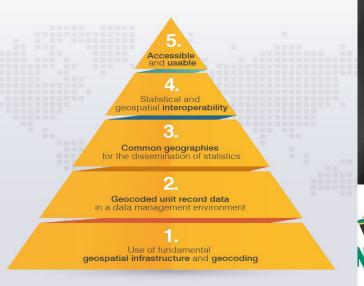
Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA

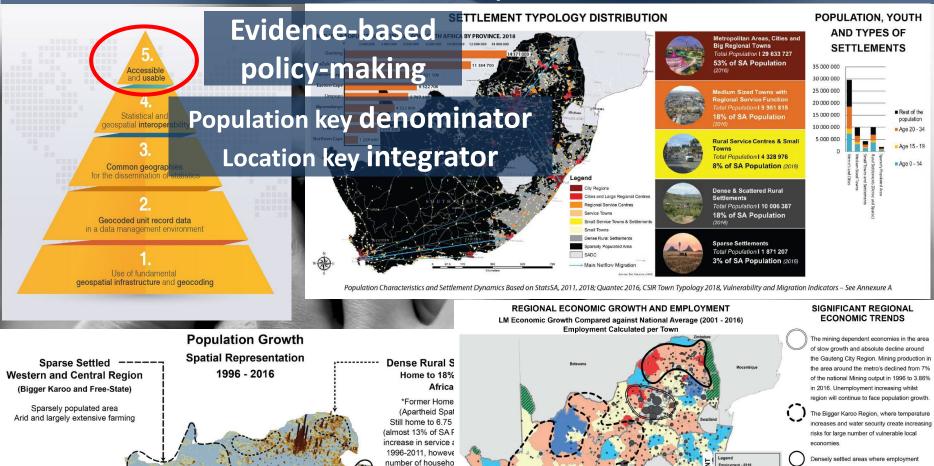
Interconnection of the 3 key PILLARS of DEVELOPMENT

Policy questions requires vertical and horizontal responses

Location, Location, Location...

GSGF - mechanism for geospatially enabled statistics





minimum livi

Grew with 4.16 million people

1996-2016

Densely Settle Corrido (KwaZulu-Natal to

Home to 17.7 million 32% of Population ar

2030 NDP

vulnerability is very high and where population

growth exceeds economic growth.

Large and growing urban regions with stagnant economies and low employment

Demographic change using CSIR Town Type

Population Growth (1996 - 2016)

-20 000 - -42 354

-10 000 - -19 999

0 - 9 999

0 - 100

Number of people per mesozone

100 - 1 000.

1 000 - 10 000

10 000 - 20 000

20 000 - 50 000

50 000 - 150 000

150 000 - 265 020

Cities and Towns

Home to 79 out of every 100

South Africans while only

constituting 6.9% of the

country's total land area

Source: Draft National Spatial Development Framework (2019)

Data: StatsSA 2011 and Quantec 2016



Use of population census and survey data

Geocoded unit record data

Com for the di

geospatial infrastructure and geocoding

Predictive Modelling. (F-H model based

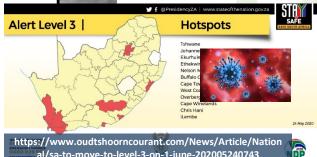
estimates) (a) headcount index (lower poverty line), (b) headcount index (upper poverty line)

Source: Laldaparsad, S (2019)

Scarce resources. Targeted developmental responses

Predictive Modelling. Covariates from Census 2011 and the Quarterly Labour Force Survey (Q3-2019) - Patterns & trends from 2011 to 2019 - 58 municipalities with persistent unemployment

Population amongst the municipalities in South Africa (40% of the countries population is found in 8 municipalities)

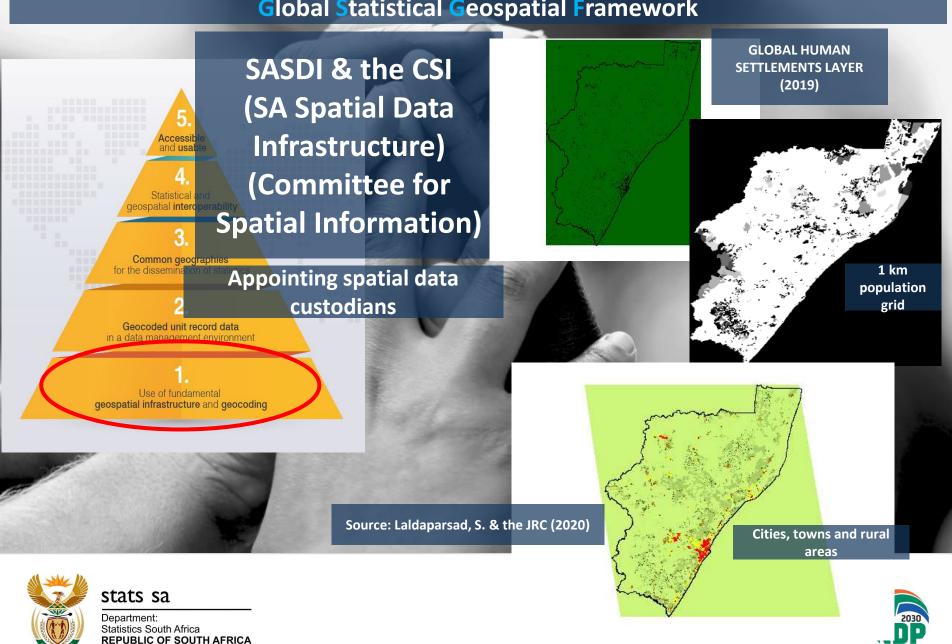


al/sa-to-move-to-level-3-on-1-june-202005240743

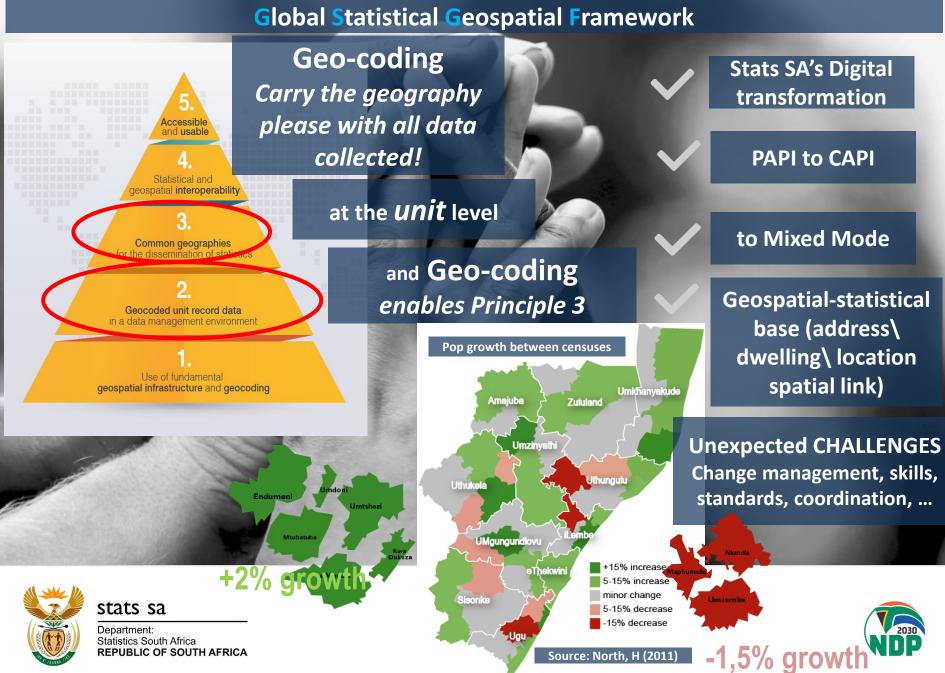
CENSUS 2011

Source: North, H (2011)

Source: Laldaparsad, S (2019)



Bridging Communities -





Challenges with implementing the GSGF

Speedy implementation! of SASDI (South African Spatial Data Infrastructure) (synergistic-collaborative geospatial infrastructure)

and similarly implementation! NSS (National Statistical System)
(official statistics (cost, context, currency, geographic disaggregation, new data, new methods, new technologies, new skills, ...), register (access, quality, ...)
and admin data (access, quality, ... COVID19 classic example), private sector data (privacy, ...) and other alternative data)

together Data Custodians, Data Quality: Standards & Methods, Data Maintenance Data Plans, and importantly Data CONTEXT (as expressed in National, Regional, Global Policy
Frameworks)

implementation, implementation!





Thank you

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