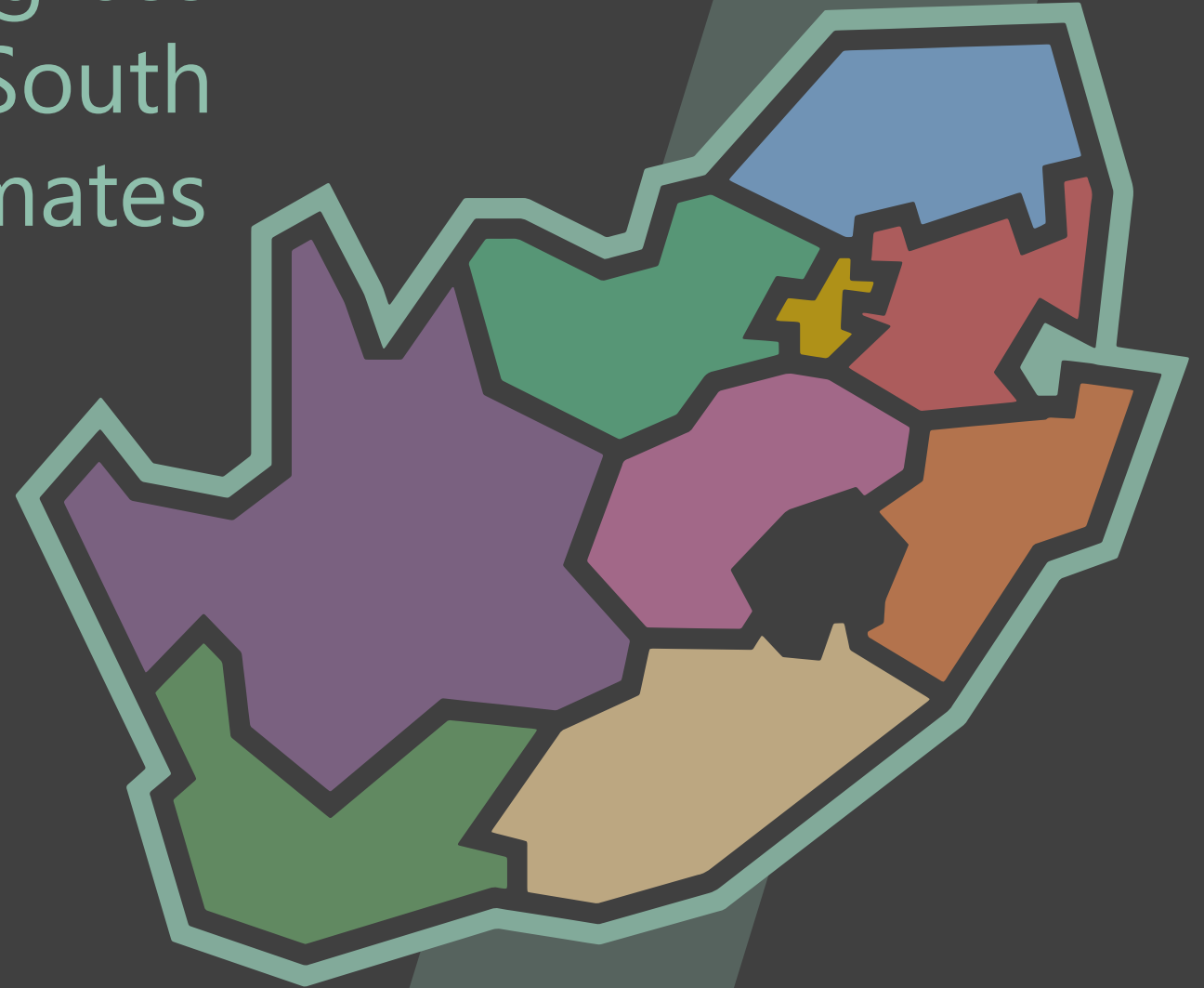


Estimation of regional gross domestic product for South Africa: experimental estimates

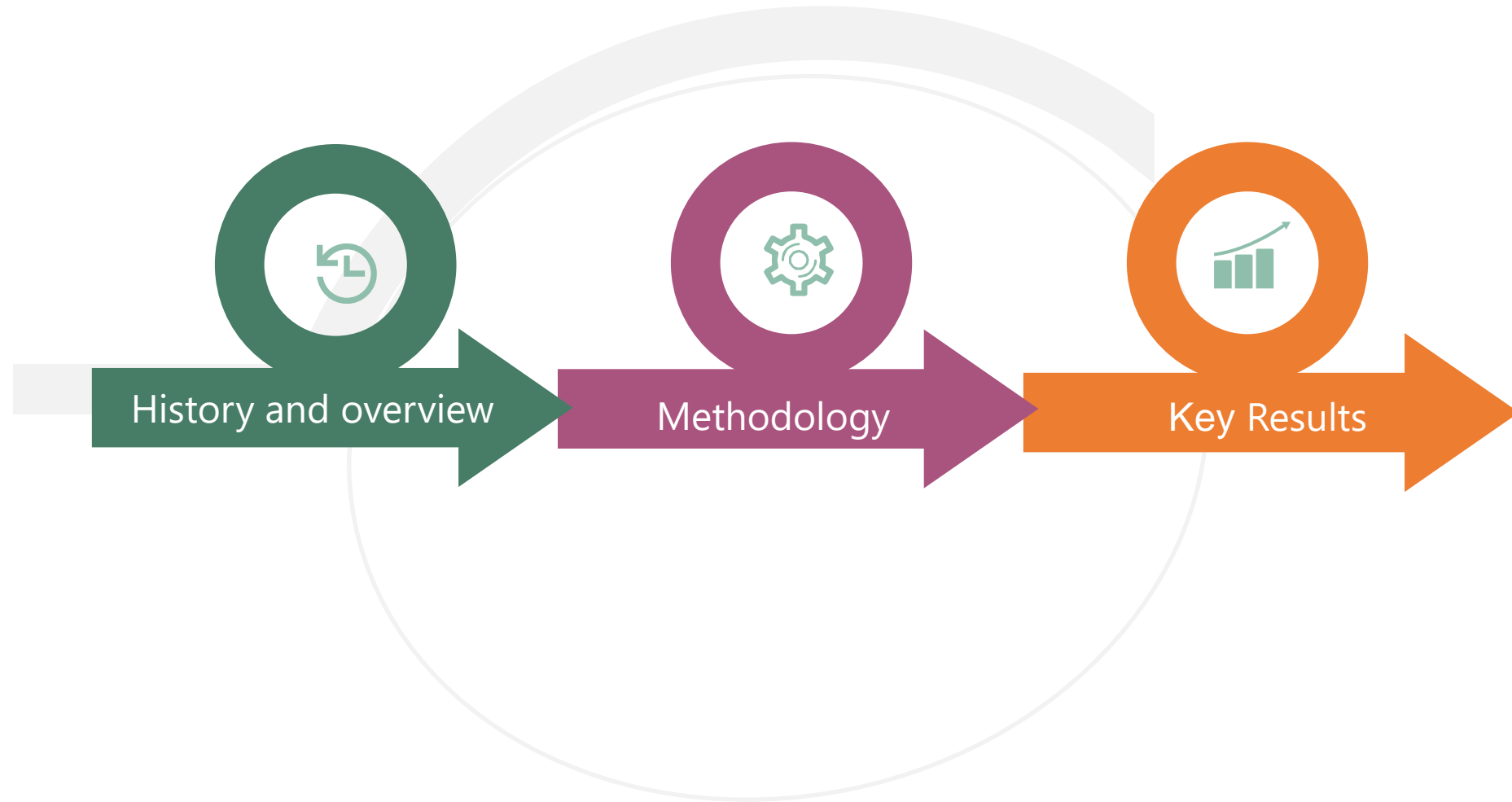


Group of Experts on National Accounts
23-25 April 2024

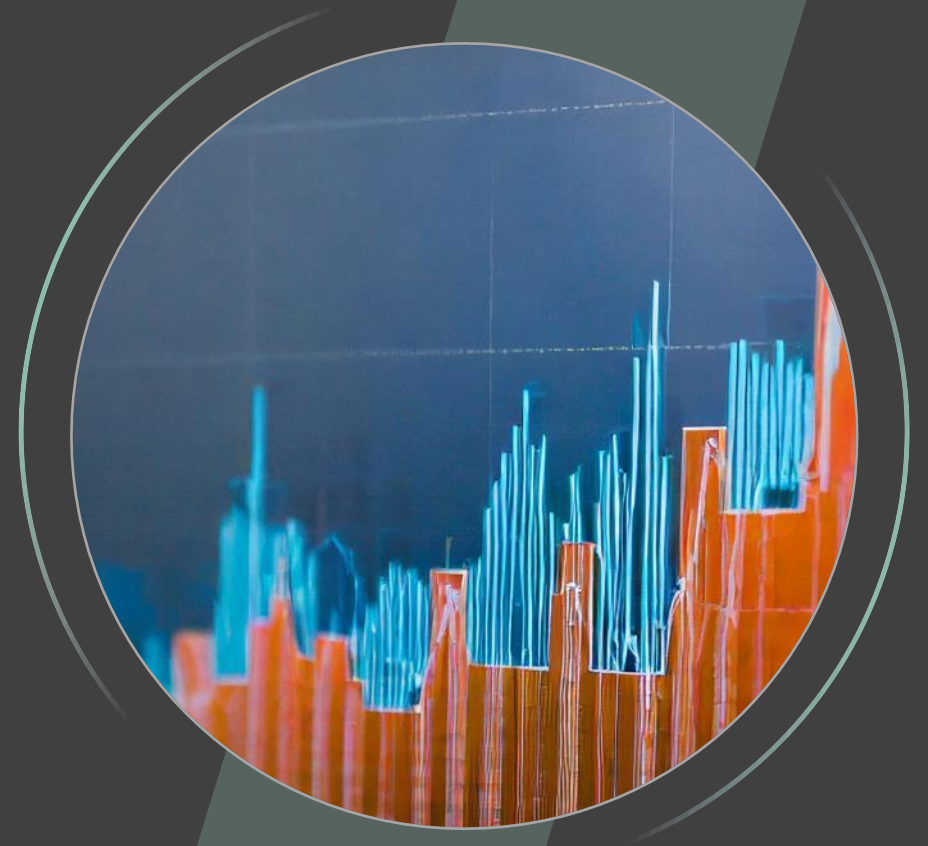
Bokang Vumbukani-Lepolesa
Chief Director National Accounts

IMPROVING LIVES THROUGH DATA ECOSYSTEMS

Overview



Regional GDP history and overview



Why are provincial GDP data important in South Africa?

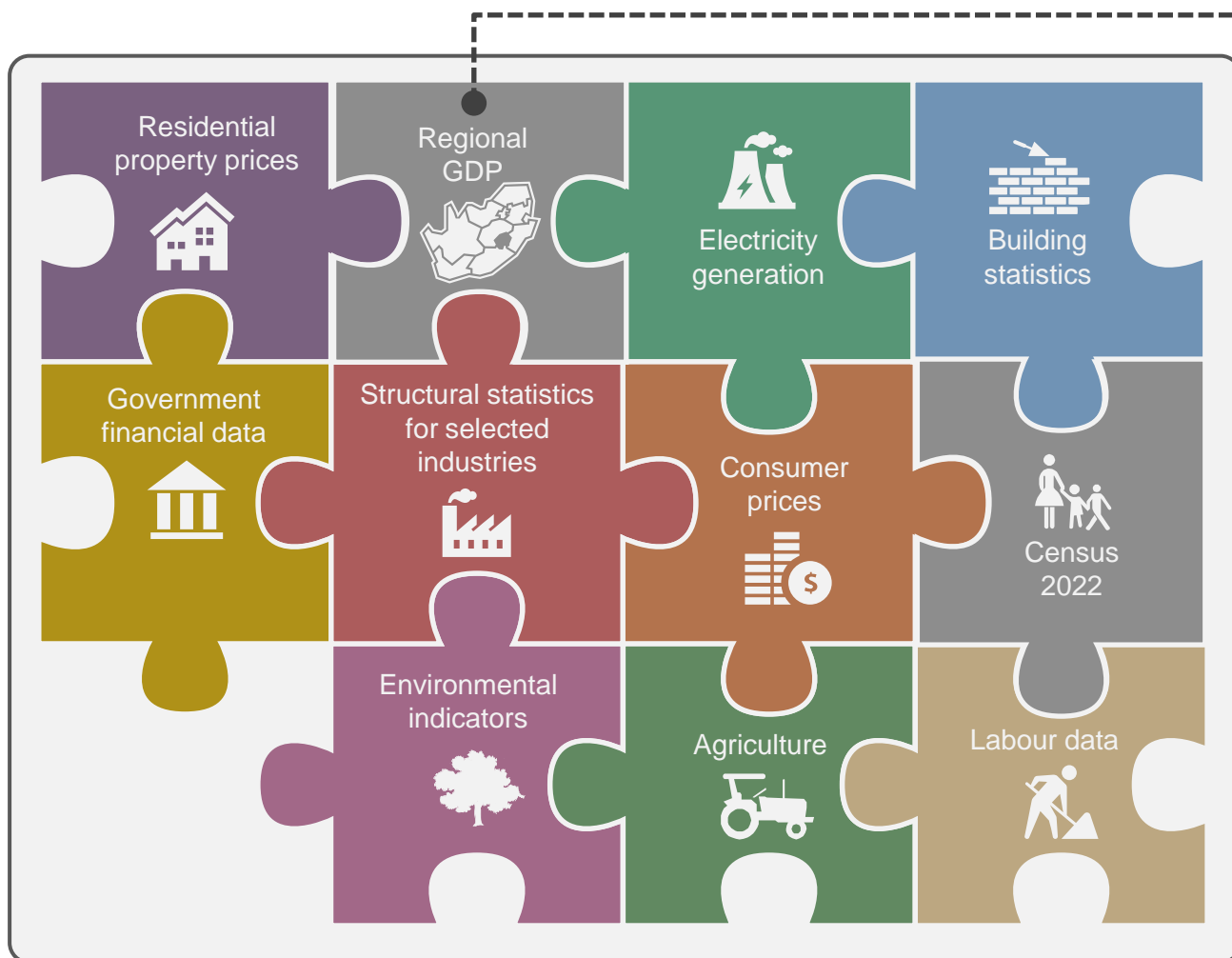


- There is a strong policy interest in economic growth in different parts of the country, for provincial policy formulation and evaluation
- Provincial institutions are interested to see how they rank against their peers and the extent to which their economies contribute to the country as a whole
- Provincial information helps private investors make better investment decisions
- Provincial GDP estimates are used as one of the indicators for equitable allocation of funds across South African provinces
- Provincial data enhances the existing body of economic and econometric models

Stats SA's offerings of sub-regional data

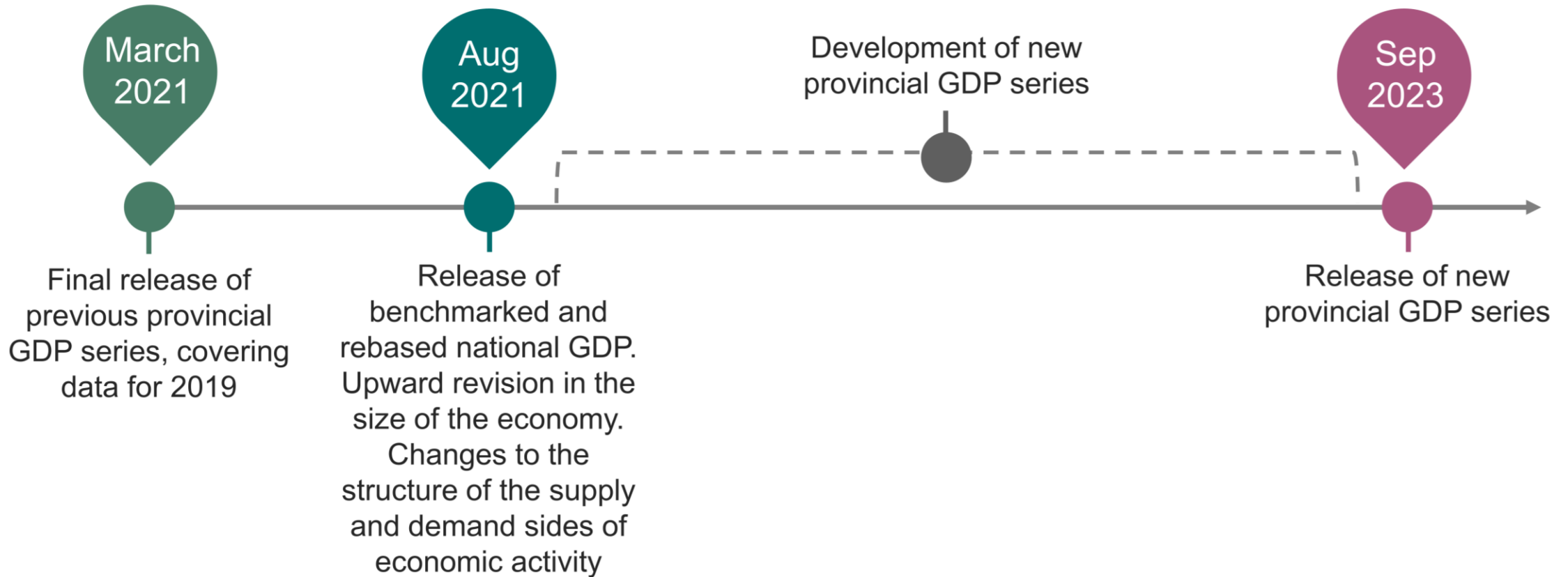
Stats SA publishes sub-national economic data for selected releases and reports

However, there are still data gaps that we are trying to close; hence the estimation of regional GDP

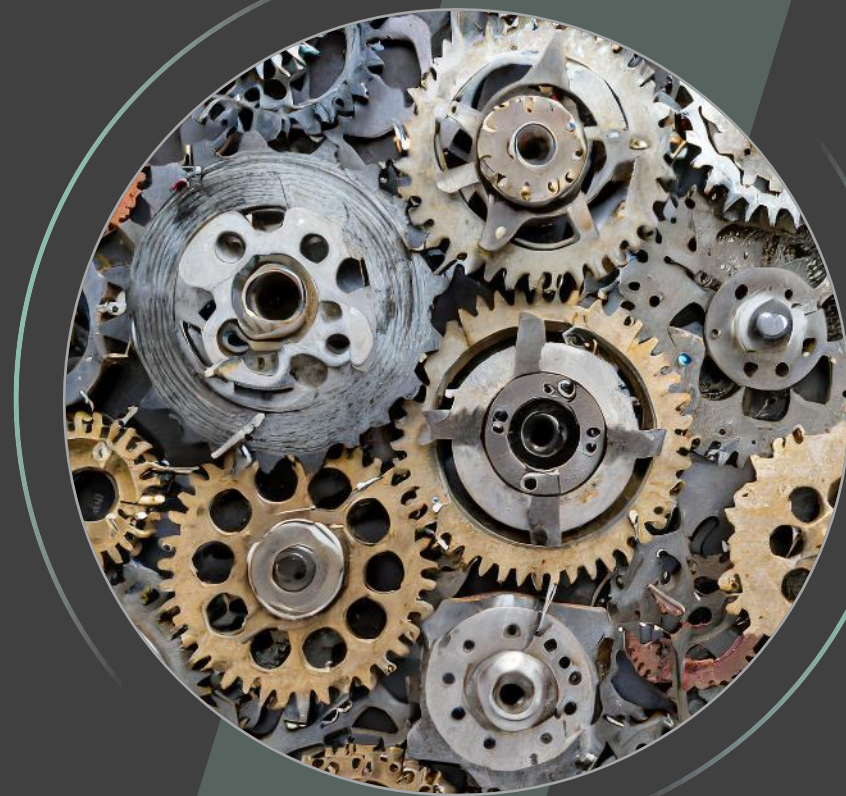


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History of the new provincial GDP



Regional GDP methodology



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stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA



Estimating provincial GDP figures



- Top down approach
- Provincial GDP estimates are compiled from the distribution of industry totals from supply and use tables (SUT) across provinces using provincial indicators
- Provincial indicators, derived from various sources, were used as distribution keys
- Data gaps were filled through extrapolation and interpolation with available data
- The provincial estimates were balanced and adjusted to maintain consistency with national totals

Volume estimates



- A double deflation technique was used to compile volume estimates at constant prices
- Output and intermediate consumption were deflated separately using relevant price indices

Industries: Sources of data

1. Agriculture, forestry & fishing



Component	Indicator variable and unit of measurement	Source
SIC 11: Crops and animal production, hunting and related service activities	Sales and purchases of goods and services, rand values	Stats SA: Census of Commercial Agriculture (Report 11-02-01)
	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 12: Forestry and logging activities	Round wood processed, tons	DALRRD: Report on Commercial Timber Resources and Primary Round Wood Processing in South Africa
SIC 13: Fishing and aquaculture activities	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
Informal	Number of households using wood	Stats SA: General Household Survey (P0318)

2. Mining & quarrying



Component	Indicator variable and unit of measurement	Source
SIC 2: Mining and quarrying industry	Sales and purchases of goods and services, rand values	Stats SA: SIS – Mining industry (Report No. 20-01-02)
	Total sales, rand values	Department of Mineral Resources and Energy (DMRE)
	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
Informal	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)


3. Manufacturing



Component	Indicator variable and unit of measurement	Source
SIC 3: Manufacturing industry	Sales and purchases of goods and services, rand values	Stats SA: SIS – Manufacturing industry (Report No. 30-02-04)
SIC 306: Manufacturing of tobacco products	Number of people employed	Empirical research and media reports
Informal Small scale Non-observed	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)

Industries: Sources of data

4. Electricity, gas & water



Component	Indicator variable and unit of measurement	Source
SIC 411: Production, collection and distribution of electricity	Electricity generated and available for distribution, gigawatt-hours	Stats SA: Electricity generated and available for distribution (P4141)
SIC 4111: Local	Income from sales and expenditure, rand values	Stats SA: Quarterly Financial Statistics of Municipalities (P9110 and P9110.1)
SIC 4120-30: Manufacturing and distribution of gaseous fuels through mains	Income from sales of goods and services, rand values	Stats SA: SIS – Electricity, Gas and Water Supply (Report No. 41-01-02)
SIC 42: Collection, purification and distribution of water	Income from sales of goods and services, rand values	Stats SA: SIS – Electricity, Gas and Water Supply (Report No. 41-01-02)
SIC 4211: Local	Income from sales and expenditure, rand values	Stats SA: Quarterly Financial Statistics of Municipalities (P9110 and P9110.1)
Informal	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)

Industries: Sources of data


5. Construction



Component	Indicator variable and unit of measurement	Source
SIC 5: Construction industry	Number of buildings reported as completed Number of people employed	Stats SA: Building Statistics (Report No. 50-11-01) Stats SA: Quarterly Labour Force Survey (P0211)


Industries: Sources of data

6. Trade services




Component	Indicator variable and unit of measurement	Source
SIC 61: Wholesale trade, commission trade	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 62: Retail trade		
SIC 64: Hotels and restaurants		
SIC 63: Sale, maintenance and repair of motor vehicles	Income from sales, rand values Number of people employed	NAAMSA Stats SA: Quarterly Labour Force Survey (P0211)

7. Transport, storage & communication




Component	Indicator variable and unit of measurement	Source
SIC 711: Rail transport	Passenger volumes Number of employees	PRASA Transnet Freight Lines
SIC 712: Road transport	Number of live vehicles	eNaTIS, National Department of Transport
SIC 713: Transport via pipeline	Number of employees	Transnet Pipelines
SIC 72: Water transport	Total cargo handled	Transnet National Ports Authority
SIC 73: Air transport	Passenger volumes	ACSA Gateway Airport Authority Limited

7. Transport, storage & communication (continued)



Component	Indicator variable and unit of measurement	Source
SIC 7411: Cargo handling	Total cargo handled	Transnet National Ports Authority
SIC 7412: Storage and warehouse	Number of people employed	Transnet Freight Lines
SIC 7419: Forwarding of freight		
SIC 7413: Operation of terminals, infrastructure, etc.	Vessel arrivals and total cargo shipped	Transnet National Ports Authority
SIC 7414: Travel agencies	Outbound passenger volumes	ACSA
	Number of people employed	Stats SA: Quarterly Labour Force Survey
SIC 75: Post and telecommunications	Number of people employed	Stats SA: Quarterly Labour Force Survey
Informal	Passenger volumes	Stats SA: General Household Survey (P0318)

8. Finance, real estate & business services




Component	Indicator variable and unit of measurement	Source
SIC 81: Financial intermediation excluding insurance and pension funding	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 82: Insurance and pension funding	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 83: Activities auxiliary to financial intermediation	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 84: Real estate activities	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)

8. Finance, real estate & business services (continued)



Component	Indicator variable and unit of measurement	Source
SIC 85: Renting of machinery and equipment	Income from services rendered Number of employees	Stats SA: (SIS) – Real estate, activities auxiliary to financial intermediation and business services industry (Report No. 80-04-02) Stats SA: Quarterly Labour Force Survey (P0211)
SIC 86: Computer and related activities	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 87: Research and development		
SIC 88: Other business activities		
SIC 8: Informal	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)


9. General government services



Component	Indicator variable and unit of measurement	Source
SIC 911: Central SIC 913: Local	Salaries and wages; and expenditure on goods and services, rand values Number of people employed	Stats SA: Financial statistics of consolidated general government (P9119.4) Stats SA: Quarterly Labour Force Survey (P0211)
SIC 912: Provincial	Salaries and wages; and expenditure on goods and services, rand values	Stats SA: Financial statistics of provincial government (P9121)

Industries: Sources of data

10. Personal services



Component	Indicator variable and unit of measurement	Source
SIC 92: Education	Number of learners	EMIS database, Department of Basic Education
SIC 93: Health and social work	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
SIC 94: Sewage and refuse disposal, sanitation and similar activities		
SIC 95: Activities of membership organisations n.e.c.		
SIC 96: Recreational, cultural and sporting activities		
SIC 99: Other service activities		
Households	Number of people employed	Stats SA: Quarterly Labour Force Survey (P0211)
Non-profit institutions		
Informal		

Key results

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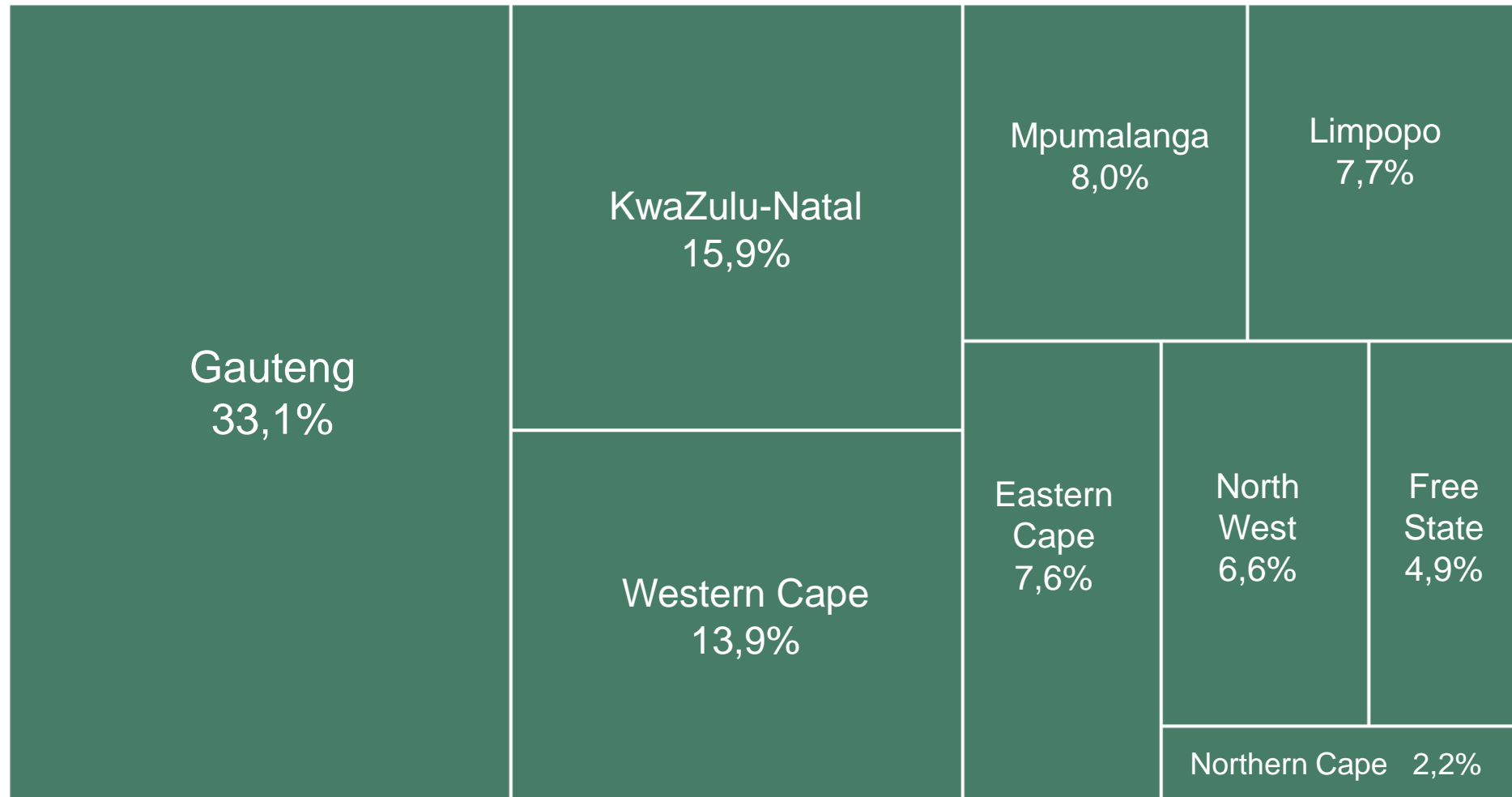
stats sa

Department:
Statistics South Africa
REPUBLIC OF SOUTH AFRICA



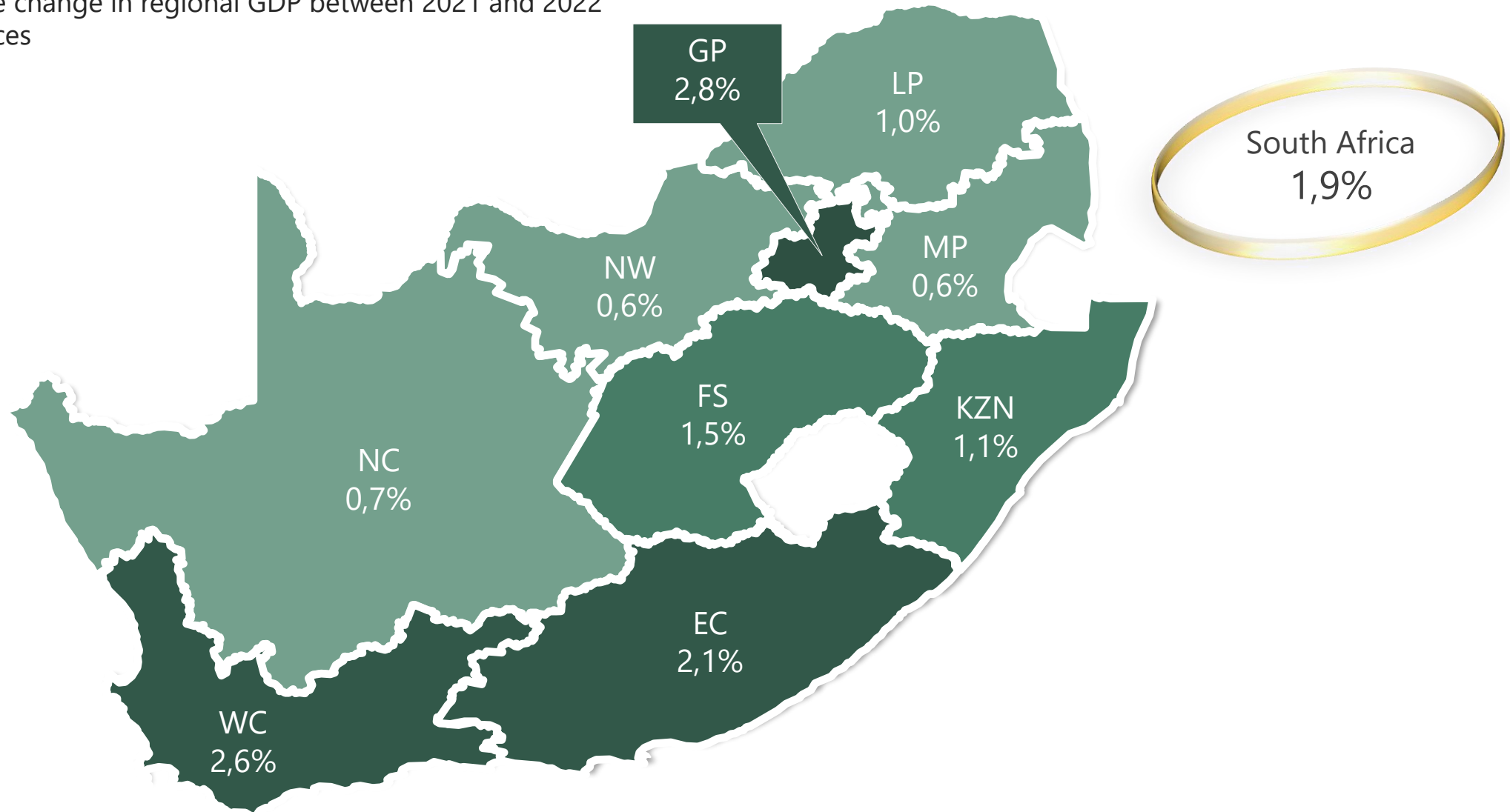
There are notable differences in contribution of regions to the GDP of South Africa

Percentage contribution to South African GDP in 2022, current prices (Total: R6,6 trillion)



Growth varied considerably across the regions

Annual percentage change in regional GDP between 2021 and 2022
Constant 2015 prices



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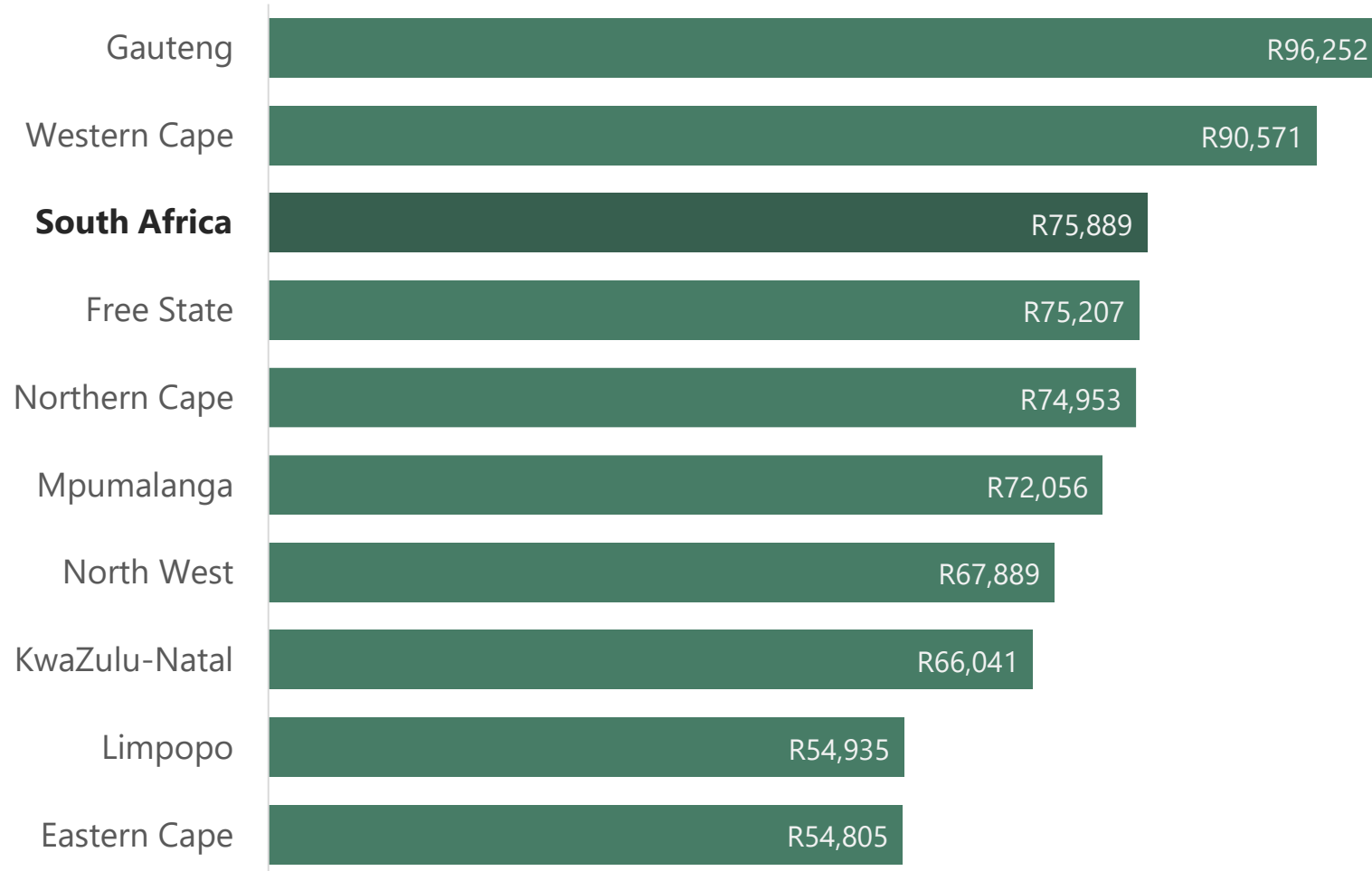
Regional GDP growth rates (2013–2022)

Annual percentage change in GDP
Constant 2015 prices



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GDP per capita Eastern Cape recorded the lowest GDP per capita (2022)



GDP source: *Provincial gross domestic product: experimental estimates, 2013–2022. Discussion document (D0441.1)* GDP: Constant 2015 prices Population source: Mid-year population estimates, 2022 (published in July 2022)

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Eastern Cape is the only province whose GDP per capita was higher in 2022 than in 2013

Index 2013=100 COVID-19 had a severe impact on GDP per capita in all provinces

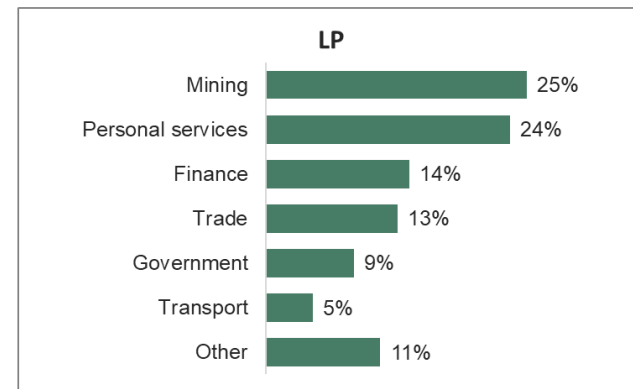
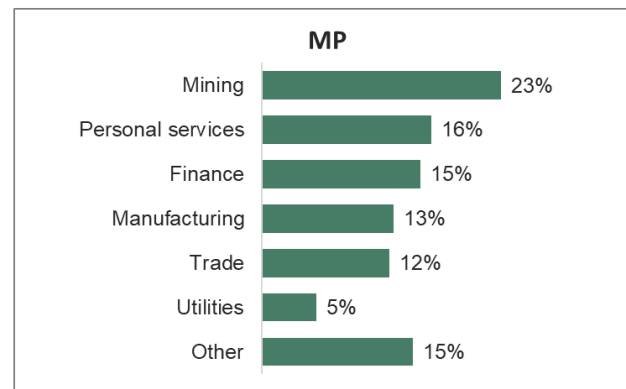
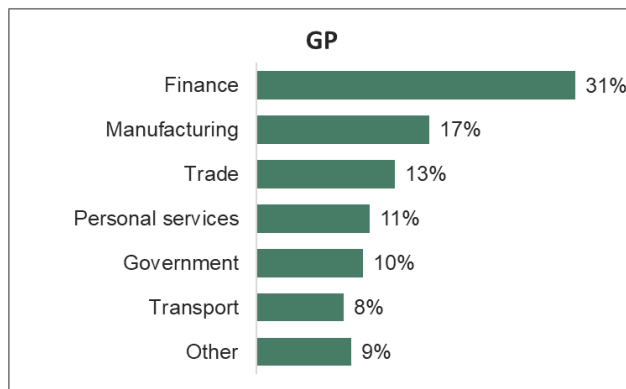
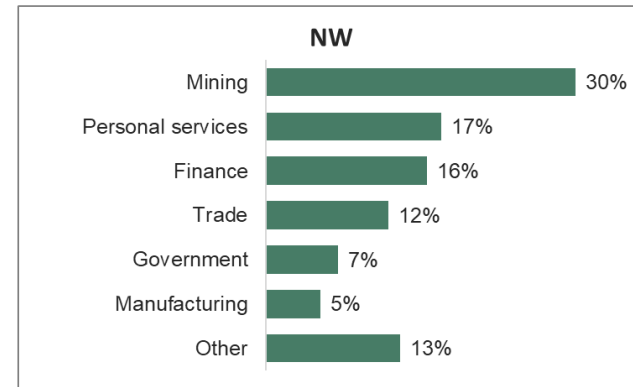
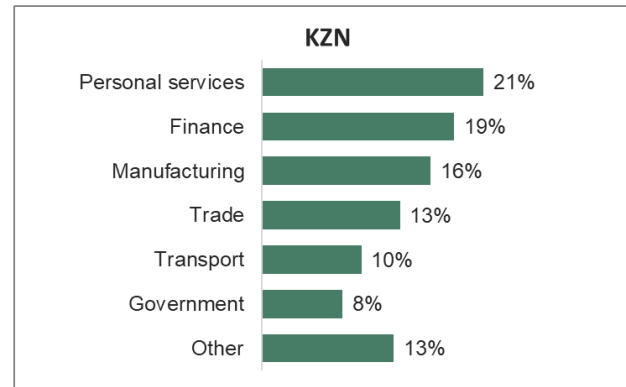
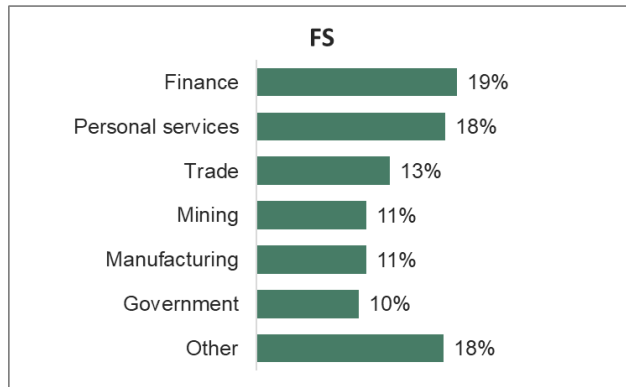
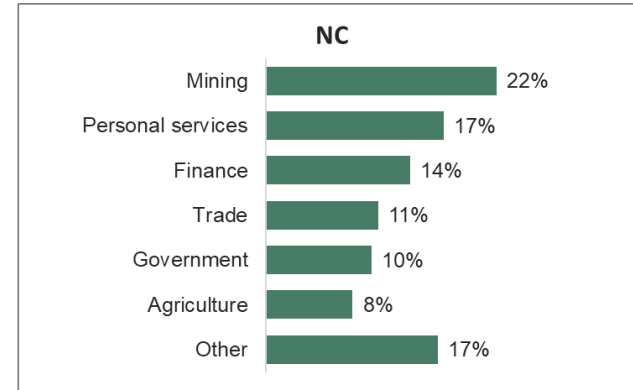
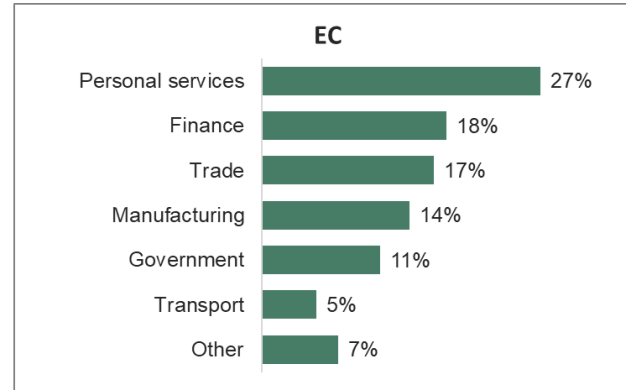
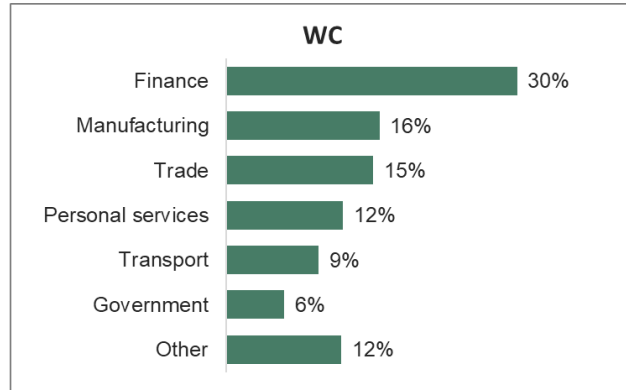


GDP: Constant 2015 prices Population source: Mid-year population estimates, 2022 (published in July 2022)

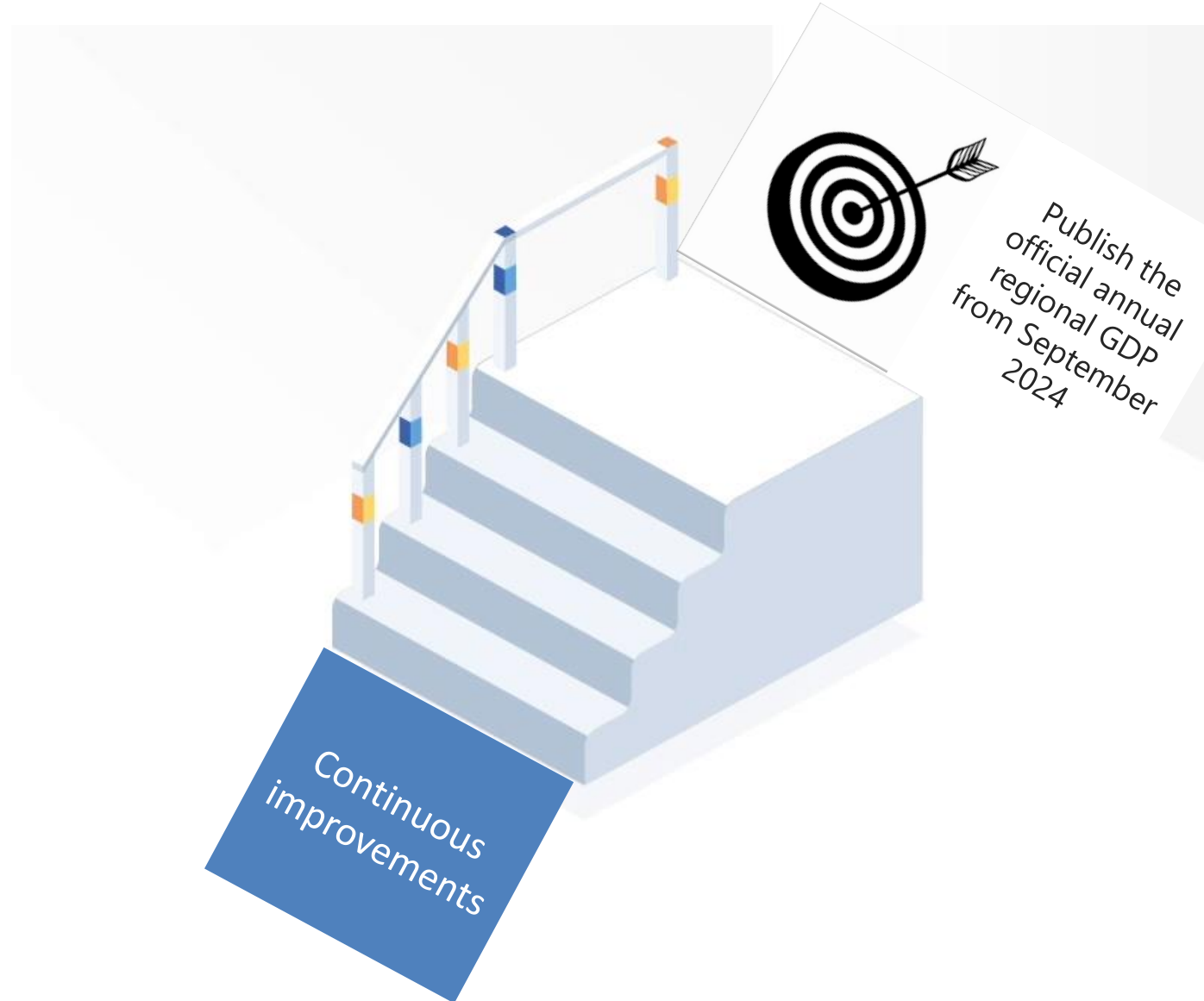
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Provincial industry composition in 2022

The largest industries in each province. Percentage contribution to provincial value added, current prices



Next steps



Thank you

Download the Regional GDP experimental estimates [here](#)

Email: BokangVL@statssa.gov.za

