



# Regional eXplorer (ReX)

Latest updates and new developments

November 2017

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*Spatial Economist*



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markit<sup>®</sup>

are now



IHS Markit<sup>™</sup>

A merger of global  
information leaders



# What is ReX?

“ A consolidated platform of various integrated data sources that provides accurate and up-to-date statistics down to municipal level ”



# Updated ReX Interface

A new panel



Information

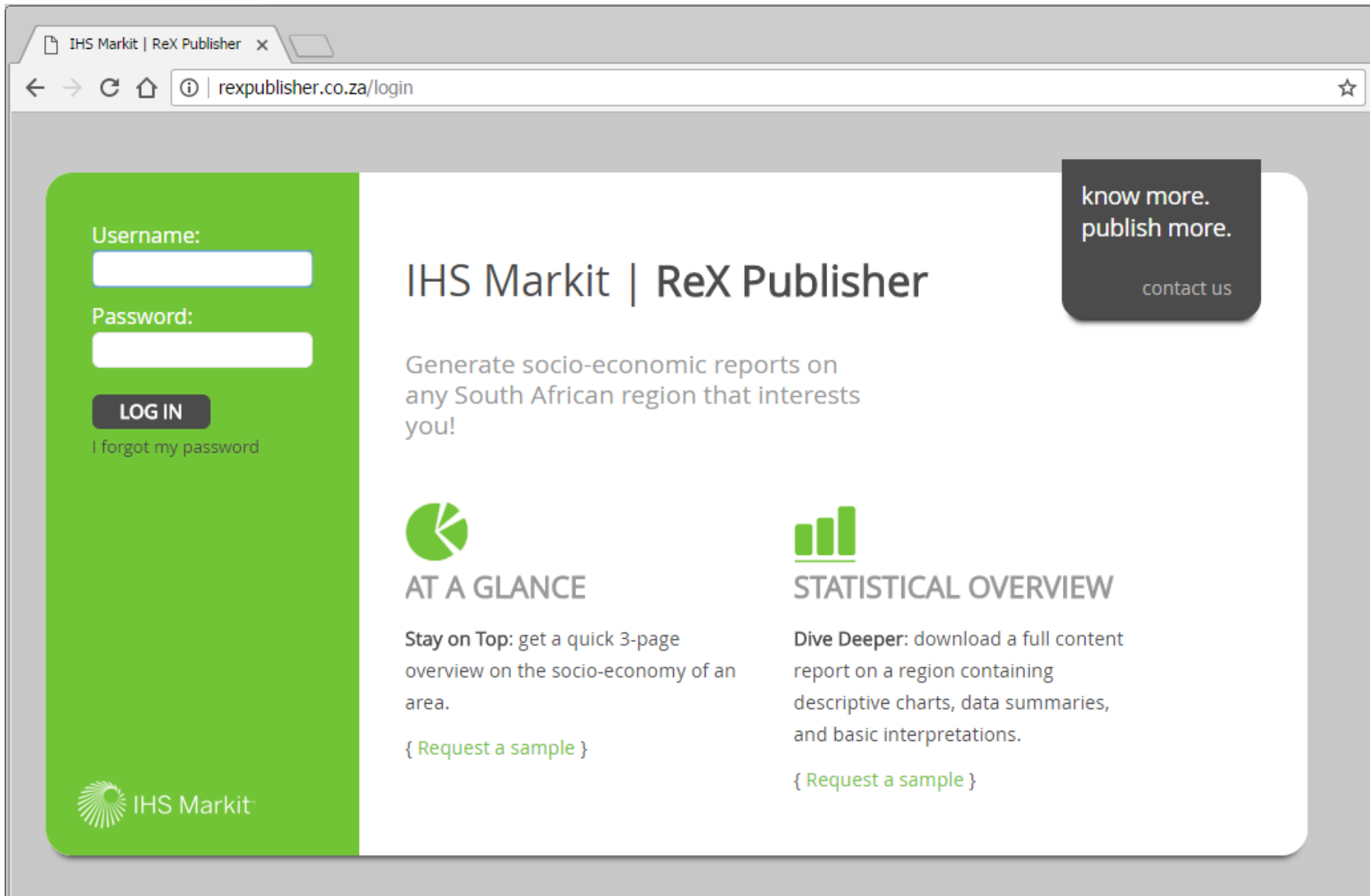
Options

Change Orientation

Extract Data

# What is ReX Publisher?

# Web-based [www.rexpublisher.co.za](http://www.rexpublisher.co.za)



The screenshot shows a web browser window with the address bar displaying "rexpublisher.co.za/login". The page features a green sidebar on the left with a login form containing fields for "Username:" and "Password:", a "LOG IN" button, and a link for "I forgot my password". The main content area has a header "IHS Markit | ReX Publisher" and a sub-header "Generate socio-economic reports on any South African region that interests you!". Below this are two columns: "AT A GLANCE" with a pie chart icon and "STATISTICAL OVERVIEW" with a bar chart icon. A dark grey button in the top right corner says "know more. publish more." with a "contact us" link below it. The IHS Markit logo is also present in the bottom left corner of the page.

IHS Markit | ReX Publisher x

rexpublisher.co.za/login

Username:

Password:

**LOG IN**

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**IHS Markit | ReX Publisher**

Generate socio-economic reports on any South African region that interests you!

**know more. publish more.**

[contact us](#)

**AT A GLANCE**


**Stay on Top:** get a quick 3-page overview on the socio-economy of an area.

[{ Request a sample }](#)

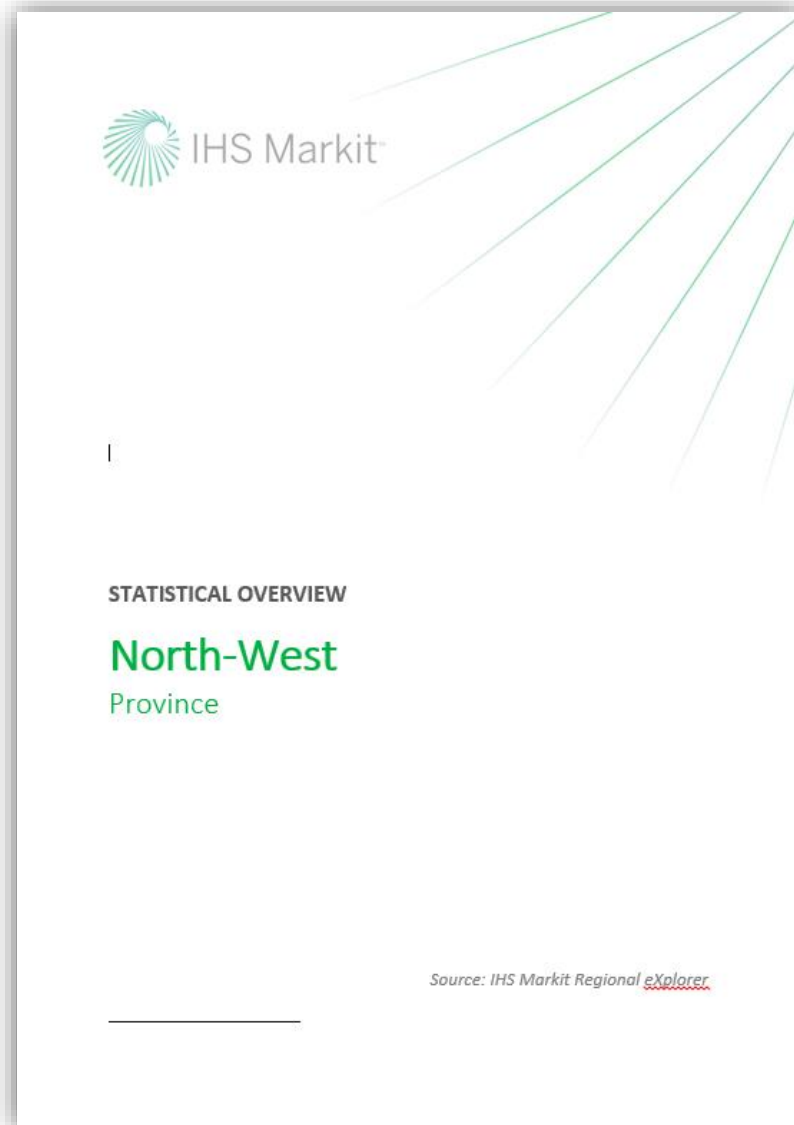
**STATISTICAL OVERVIEW**

**Dive Deeper:** download a full content report on a region containing descriptive charts, data summaries, and basic interpretations.

[{ Request a sample }](#)

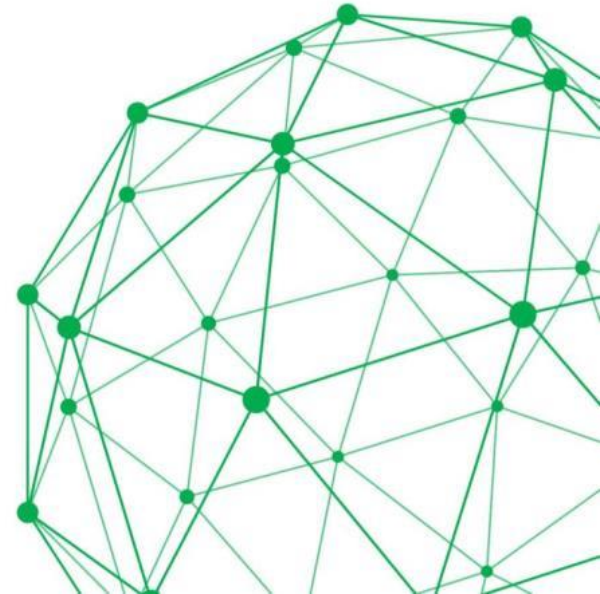
 IHS Markit





## STATISTICAL OVERVIEW

**Dive Deeper:** download a full content report on a region containing descriptive charts, data summaries, and basic interpretations.



Microsoft Word ribbon: FILE, HOME, INSERT, DESIGN, PAGE LAYOUT, REFERENCES, MAILINGS, REVIEW, VIEW, ZOTERO. Font: Calibri (Body), 11. Paragraph: Bullets, Indentation, Spacing, Paragraph Style. Styles: Normal, Table 1, No Spacing, Heading 1, Heading 2.

Navigation pane: Search document. HEADINGS | PAGES | RESULTS. Statistical overview: North-West Province. 1. Demography (1.1 Total Population, 1.2 Population by population group, Gender and Age, 1.3 Number of Households by Population Group, 1.4 HIV+ and AIDS estimates). 2. Economy (2.1 Gross Domestic Product by Region (GDP-R), 2.2 Gross Value Added by Region (GVA-R), 2.3 Tress Index, 2.4 Location Quotient). 3. Labour (3.1 Economically Active Population (EAP), 3.2 Total Employment, 3.3 Formal and Informal employment, 3.4 Unemployment). 4. Income and Expenditure (4.1 Number of Households by Income category, 4.2 Annual total Personal Income, 4.3 Annual per Capita Income, 4.4 Index of Buying Power). 5. Development (5.1 Human Development Index (HDI), 5.2 Gini Coefficient, 5.3 Poverty, 5.4 Education, 5.5 Functional literacy, 5.6 Population Density). 6. Crime. 7. Household Infrastructure. 8. Tourism. 9. International Trade.

participation rate and the unemployment rate decreased which indicates a negative outlook for the employment within North-West Province.

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TABLE 21. TOTAL EMPLOYMENT - NORTH-WEST AND NATIONAL TOTAL 2006-2016 [NUMBERS]

	North-West	National Total
2006	787,000	13,000,000
2007	785,000	13,500,000
2008	785,000	14,100,000
2009	787,000	14,000,000
2010	722,000	13,600,000
2011	714,000	13,800,000
2012	727,000	14,000,000
2013	757,000	14,500,000
2014	799,000	15,100,000
2015	826,000	15,500,000
2016	836,000	15,700,000
Average Annual growth 2006-2016	0.86%	1.89%

Source: IHS Markit Regional Explorer version 1160

In 2016, North-West employed 836 000 people which is 5.33% of the total employment in South Africa (15.7 million). Employment within North-West increased annually at an average rate of 0.86% from 2006 to 2016.

TABLE 22. TOTAL EMPLOYMENT PER BROAD ECONOMIC SECTOR - NORTH-WEST AND THE REST OF NATIONAL TOTAL 2016 [NUMBERS]

	North-West	Western Cape	Eastern Cape	Northern Cape	Free State	KwaZulu-Natal	Gauteng	Mpumalanga	Limpopo	Total National Total
Agriculture	47,800	212,000	91,200	43,800	65,000	137,000	40,500	86,600	126,000	651,788
Mining	133,000	3,600	1,240	33,200	40,600	10,500	81,600	76,500	76,300	456,828
Manufacturing	58,500	303,000	137,000	11,700	62,300	329,000	600,000	90,200	73,500	1,665,118
Electricity	3,240	9,280	5,760	1,760	7,880	9,910	24,510	20,700	11,600	94,027
Construction	54,900	190,000	156,000	26,000	49,300	229,000	342,000	94,500	139,000	1,279,923
Trade	157,000	477,000	319,000	49,800	173,000	560,000	1,000,000	228,000	295,000	3,265,881
Transport	29,400	121,000	70,900	10,800	33,600	162,000	326,000	53,700	47,900	655,078
Finance	84,400	439,000	153,000	23,100	66,900	327,000	1,170,000	135,000	108,000	2,503,214
Community services	190,000	445,000	399,000	88,600	196,000	621,000	965,000	231,000	303,000	3,437,336
Households	77,600	159,000	123,000	27,900	88,700	235,000	359,000	85,400	114,000	1,277,940
Total	836,000	2,360,000	1,460,000	316,000	783,000	2,420,000	4,910,000	1,110,000	1,290,000	15,682,943

Source: IHS Markit Regional Explorer version 1160

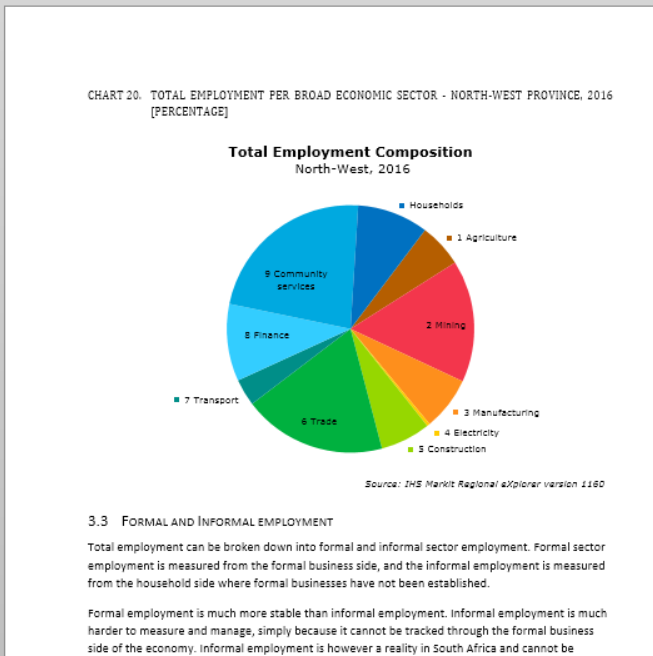
3.2 TOTAL EMPLOYMENT

Employment data is a key element in the estimation of unemployment. In addition, trends in employment within different sectors and industries normally indicate significant structural changes in the economy. Employment data is also used in the calculation of productivity, earnings per worker, and other economic indicators.

**Definition:** Total employment consists of two parts: employment in the formal sector, and employment in the informal sector

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# CITY OF JOHANNESBURG METROPOLITAN MUNICIPALITY

Gauteng Province

2016

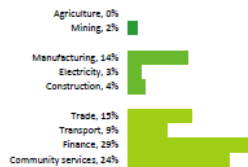
## ECONOMICS

Gross Domestic Product

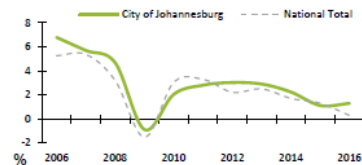
**R 657 bn**  
Current prices

**15.1%**  
of national GDP

Sector composition



Economic growth: 2006-2016



Top 10 sectors (GVA)

	2016
Finance and Insurance	95.0
Other service activities	50.0
Other business activities	46.4
Health and social work	35.4
Retail trade and repairs of goods	35.4
Wholesale and commission trade	35.3
Land and Water transport	30.3
Real estate activities	29.7
Public administration and defence activities	29.6
Construction	21.3
All other smaller sectors	171.4

Economic growth annual % change

	2015-2016	10 year avg.
City of Johannesburg	1.3%	2.5%
National Total	0.3%	2.1%

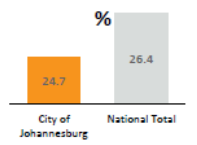
## LABOUR MARKET

Employment

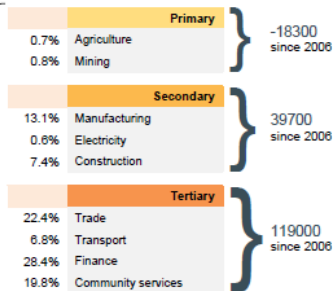
**2.04 m**  
number of jobs

**13.0%**  
of national employment

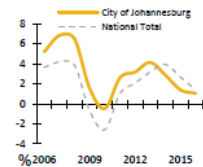
Unemployment



Jobs created or lost: 2006-2016



Employment growth: 2006-2016



Employment growth Annual % change

**1.1%** 2015-2016  
**2.9%** 10 year avg

**1.4%** 2015-2016  
**1.9%** 10 year avg

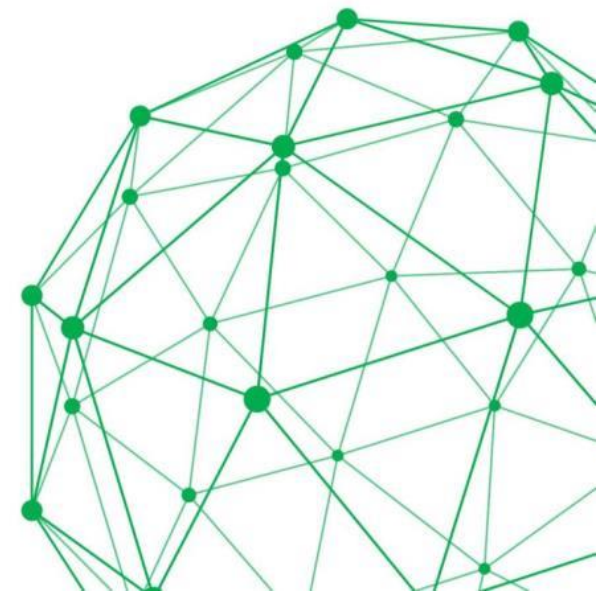
Informal employment 2016

	Employees	Informal	% informal
City of Johannesburg	2	0	14.0%
National Total	16	3	16.6%



# AT A GLANCE

Stay on Top: get a quick 3-page overview on the socio-economy of an area.



“

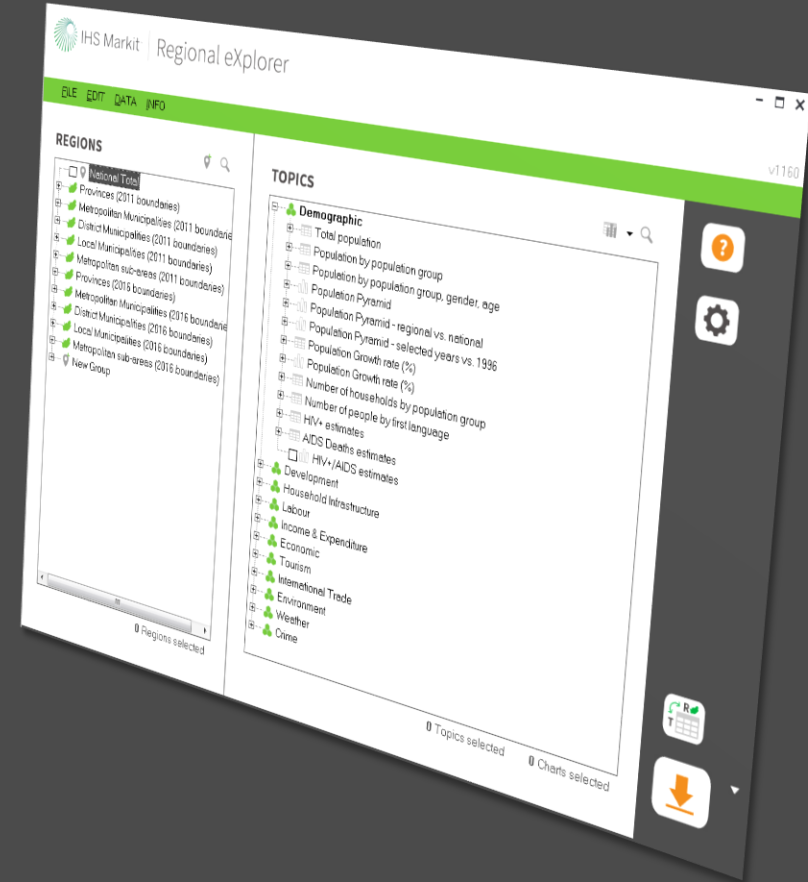
Much more than  
just a data solution

”

Quality

Customer  
Delight

Insight



# New ReX Fiscal Module



**Overview**



**Description**



**Preliminary  
Results**

FILE EDIT DATA INFO

## REGIONS



- National Total
- Provinces (2011 boundaries)
- Metropolitan Municipalities (2011 boundaries)
- District Municipalities (2011 boundaries)
- Local Municipalities (2011 boundaries)
- Metropolitan sub-areas (2011 boundaries)
- Provinces (2016 boundaries)
- Metropolitan Municipalities (2016 boundaries)
- District Municipalities (2016 boundaries)**
  - Western Cape
  - Eastern Cape
  - Northern Cape
  - Free State
  - KwaZulu-Natal
  - North-West
  - Gauteng**
    - DC42 Sedibeng
    - DC48 West Rand
  - Mpumalanga
  - Limpopo
- Local Municipalities (2016 boundaries)
- Metropolitan sub-areas (2016 boundaries)
- MIIF classification based on 2016 boundaries
- My own areas

1 Regions selected

## TOPICS

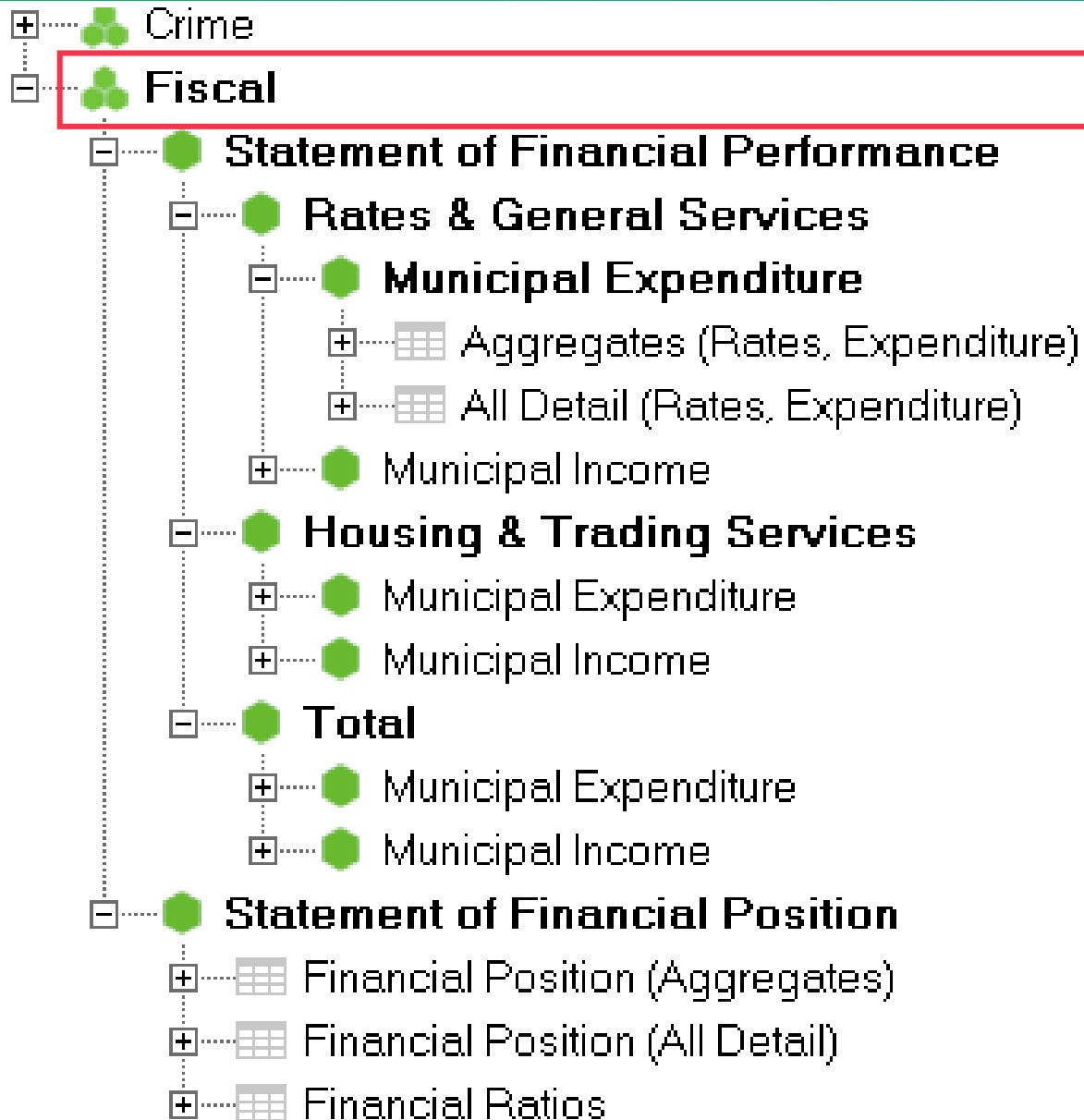


- Labour
- Income & Expenditure
- Economic
- Tourism
- International Trade
- Environment
- Weather
- Crime
- Fiscal**
  - Statement of Financial Performance**
    - Rates & General Services**
      - Municipal Expenditure**
        - Aggregates (Rates, Expenditure)
        - All Detail (Rates, Expenditure)
      - Municipal Income
    - Housing & Trading Services**
      - Municipal Expenditure
      - Municipal Income
    - Total**
      - Municipal Expenditure
      - Municipal Income
  - Statement of Financial Position**
    - Financial Position (Aggregates)
    - Financial Position (All Detail)
    - Financial Ratios

0 Topics selected

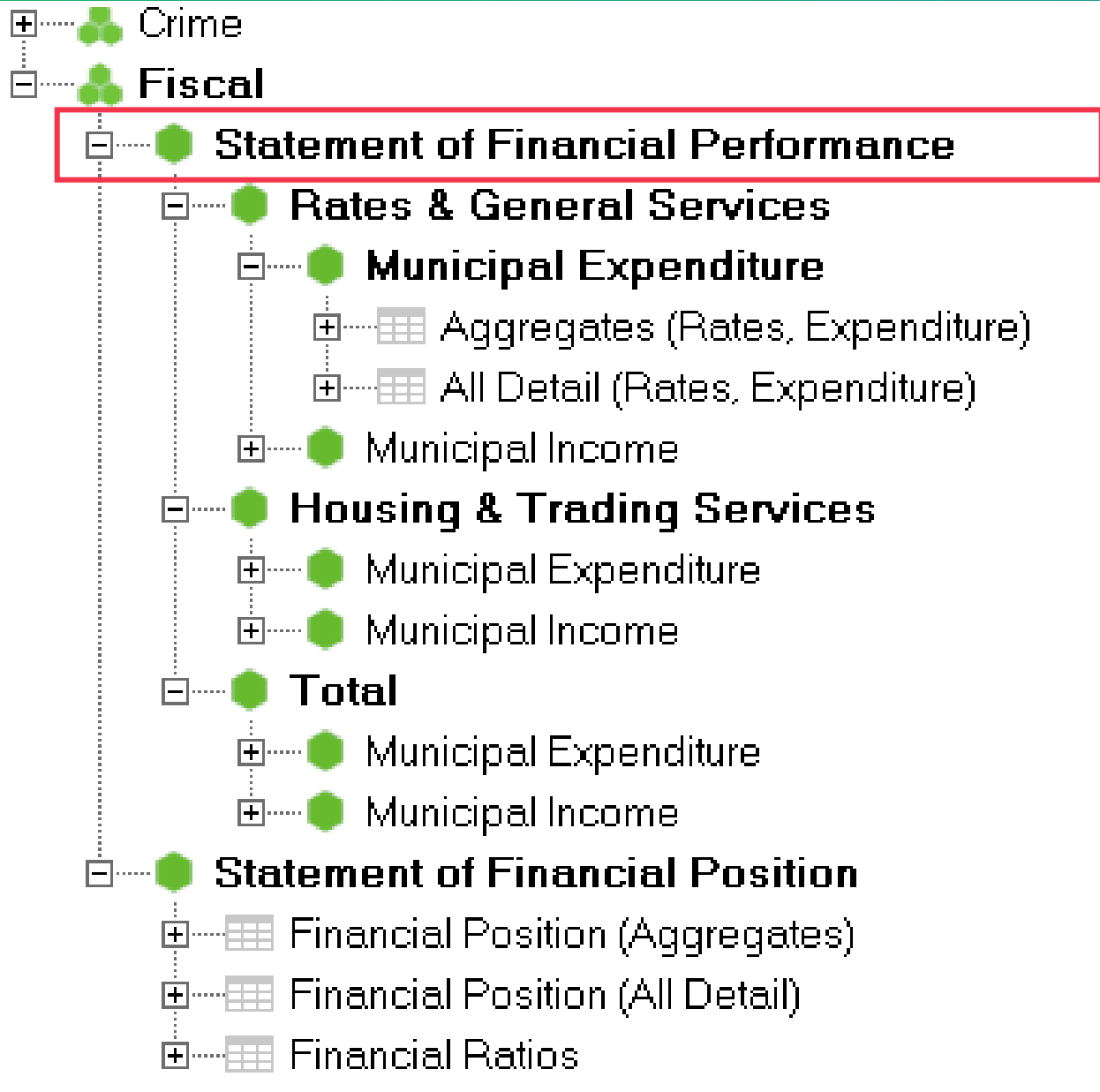
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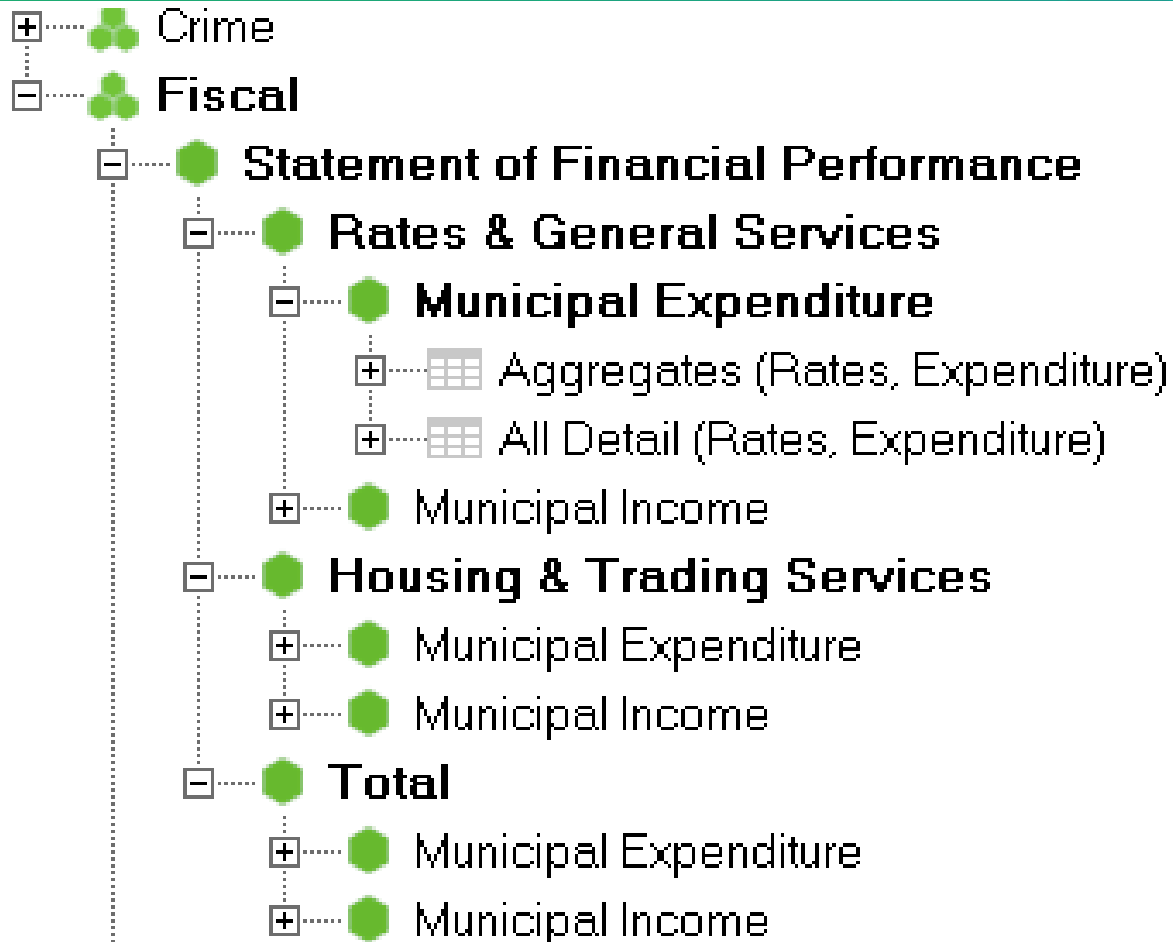




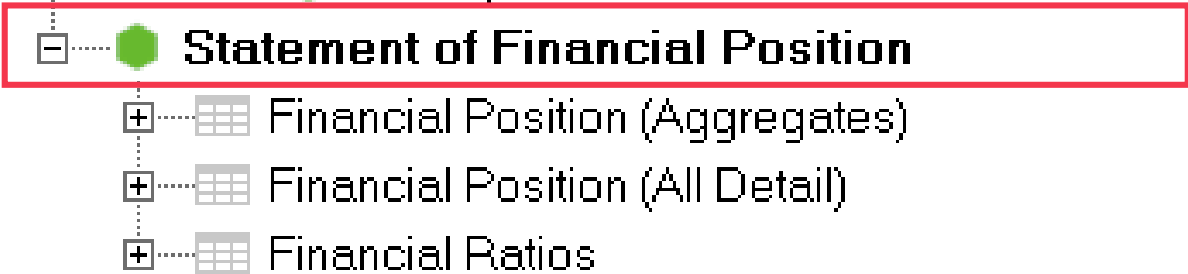
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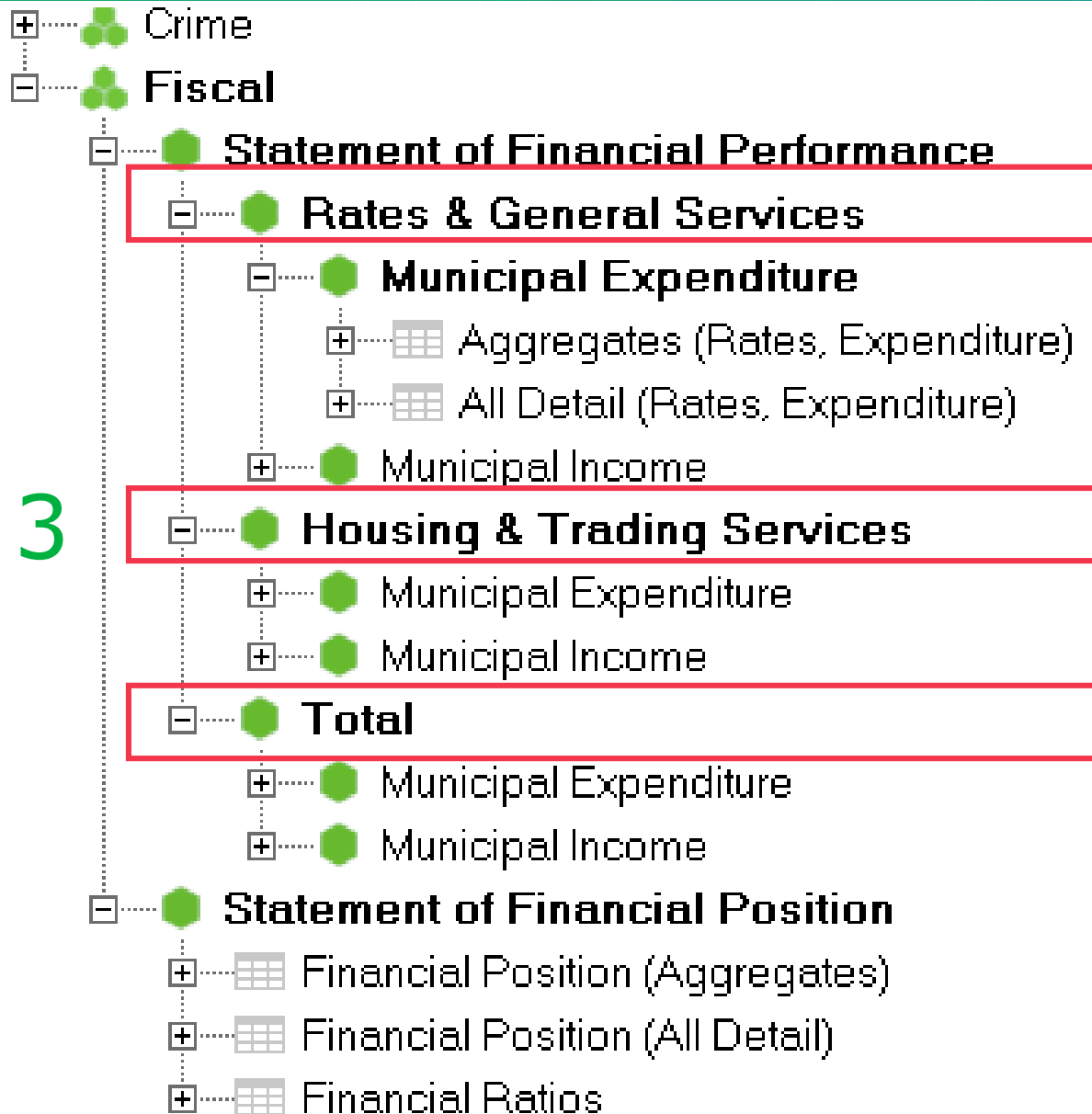
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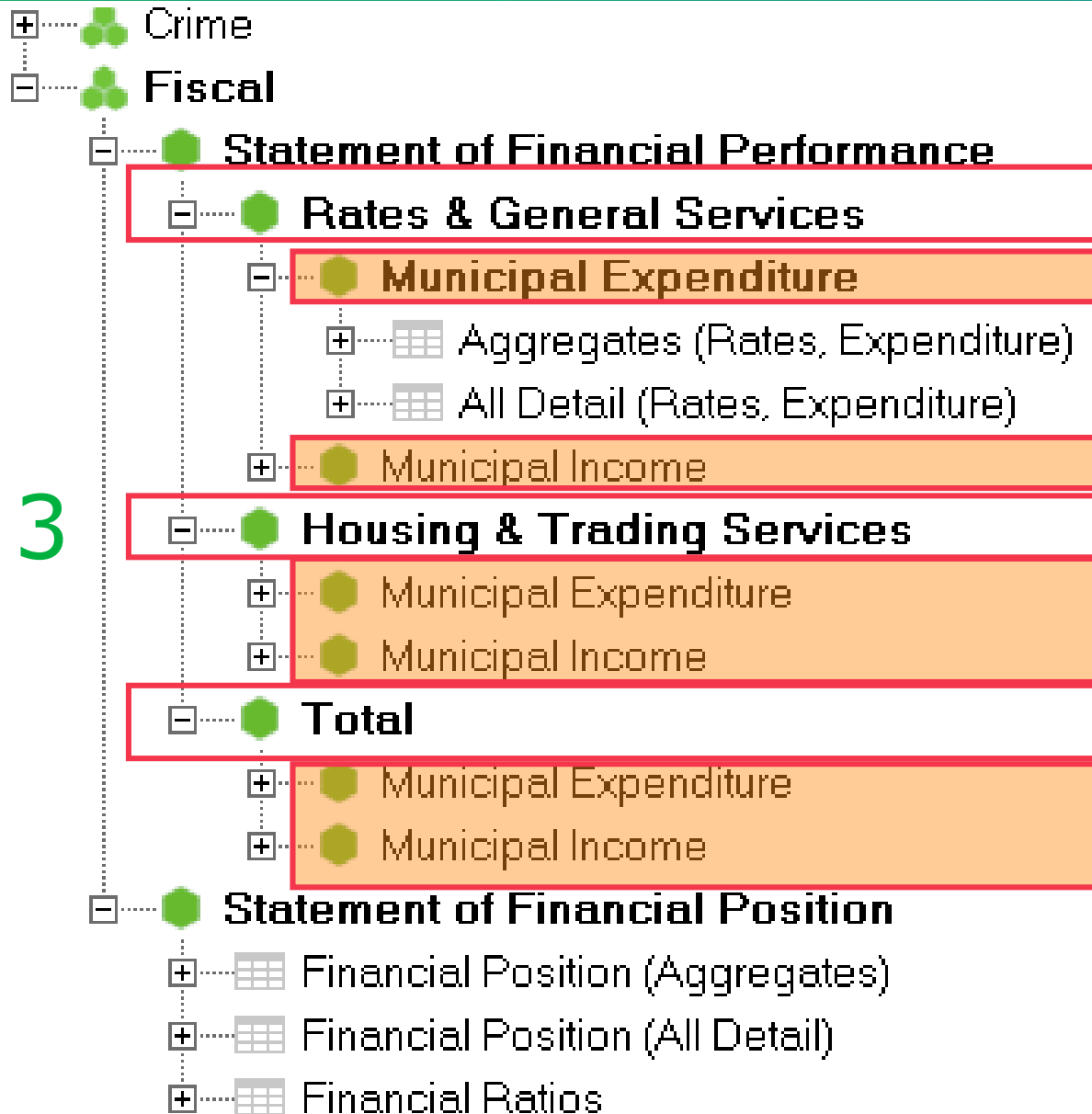
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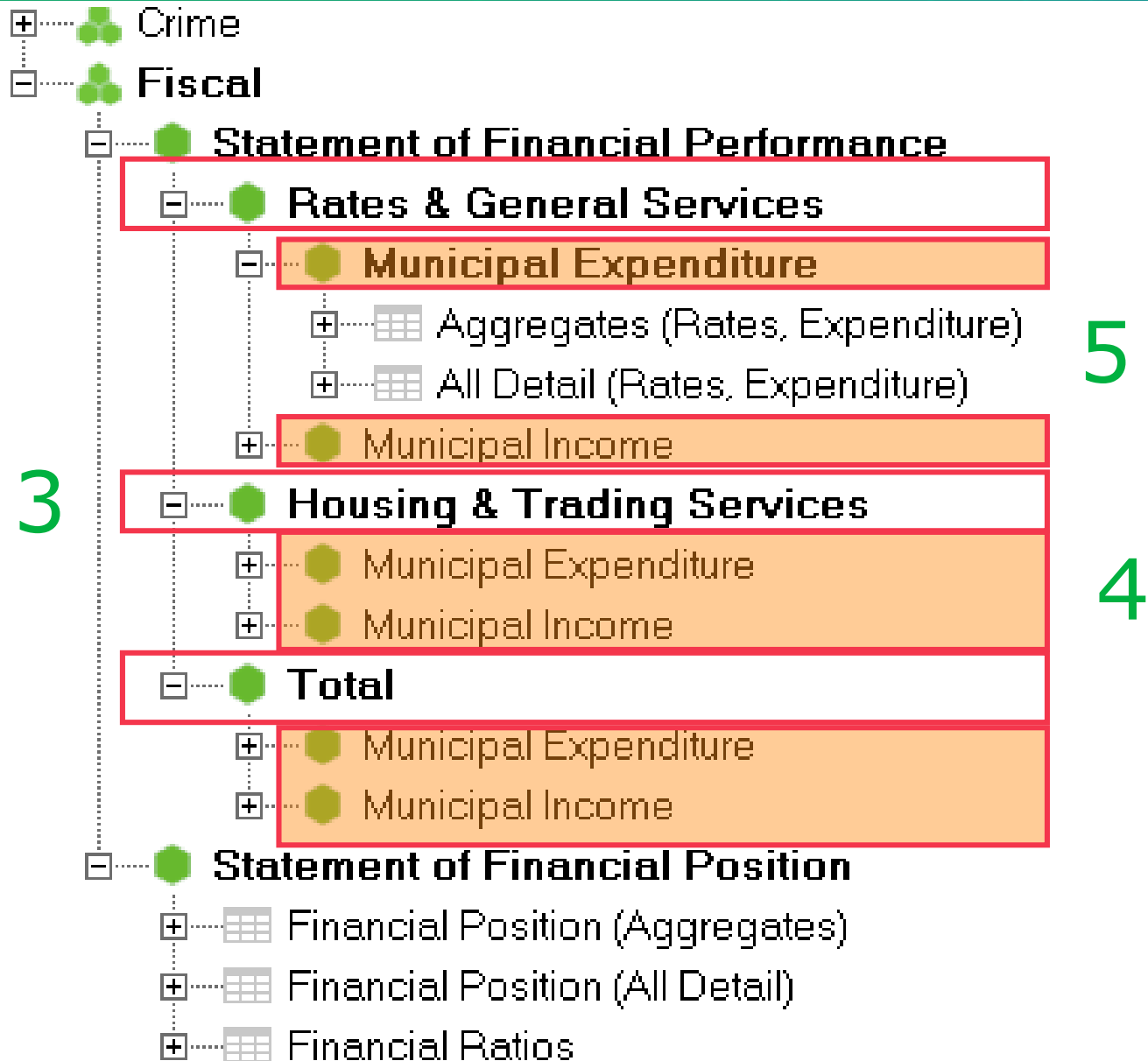


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4

2

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2



**Overview**



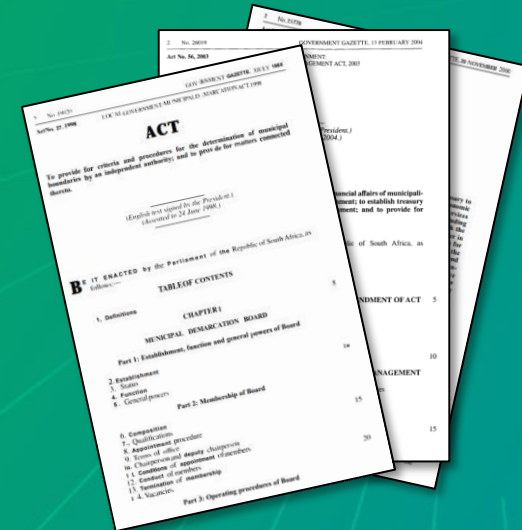
**Description**



**Preliminary  
Results**

# Description

- Compiled from Administrative Data.
- Main Data Sources:
  - National Treasury
  - StatsSA
- Data Publications:
  - Annual MTREF (NT)
  - Quarterly Section 71 Reports (NT)
  - P9114: Financial Survey of Municipalities (StatsSA)
    - Consolidated Income & Expenditure statements
    - Consolidated Statement of Financial Position.



# Description

- Financial Years (year ending June) :
  - 2011/12 – 2015/2016
- Spatial Standardisation
  - Depending on your subscription, the Fiscal Module is available for the following demarcations:
    - 2006
    - 2011
    - 2016
- Slight difference in how totals add up across municipalities.
  - National & Provincial totals include A, B & C munics.
  - District Municipalities are not the sum of their locals.





**Overview**



**Description**



**Preliminary  
Results**

# Preliminary Results

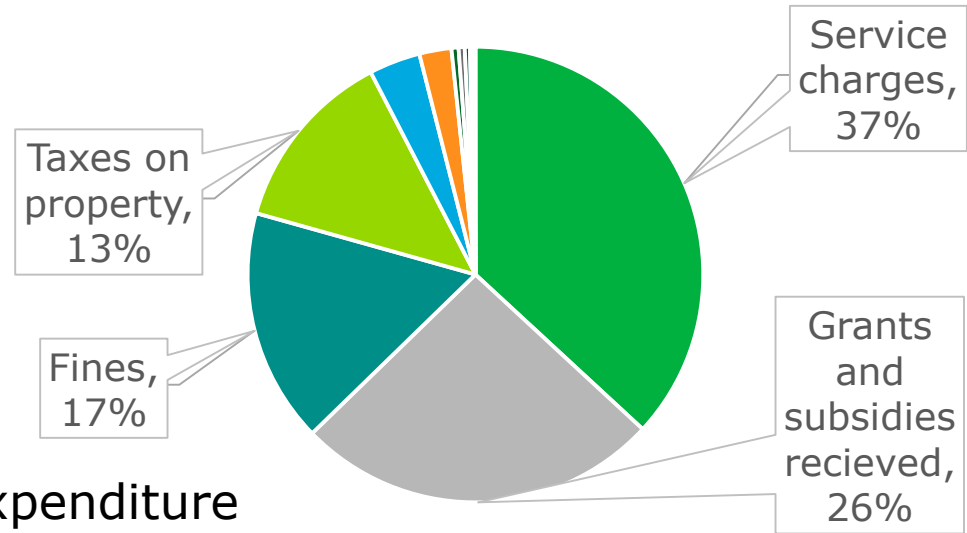
Statement of Financial Performance

Statement of Financial Position

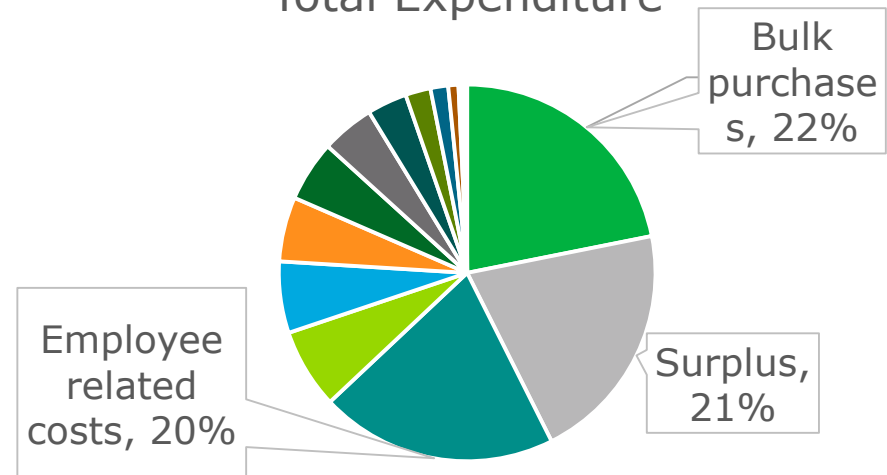
Financial Ratios

Income & Expenditure  
R 389 billion  
in 2015/16

Total Income



Total Expenditure



# Preliminary Results



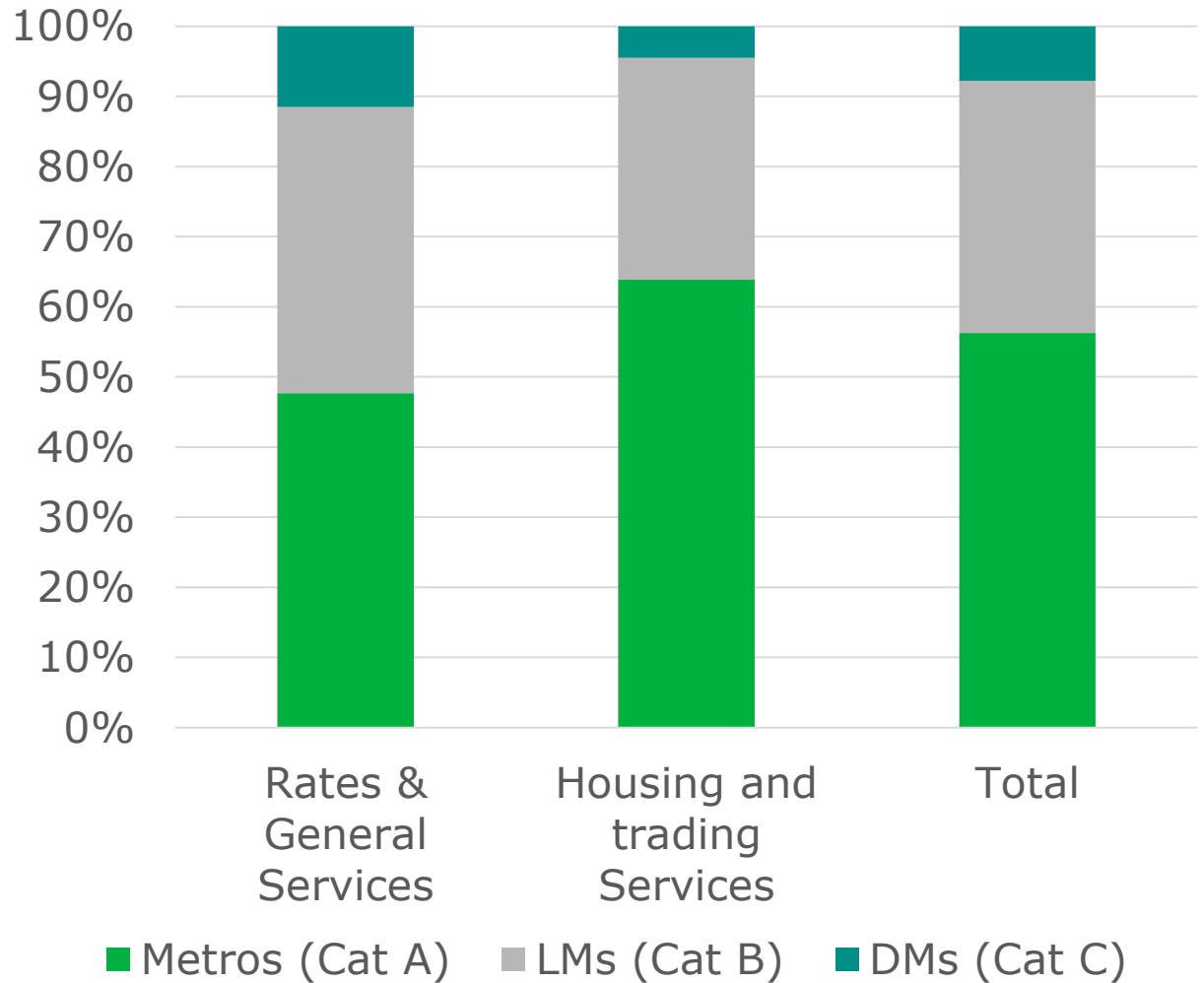
Statement of Financial Performance



Statement of Financial Position



Financial Ratios



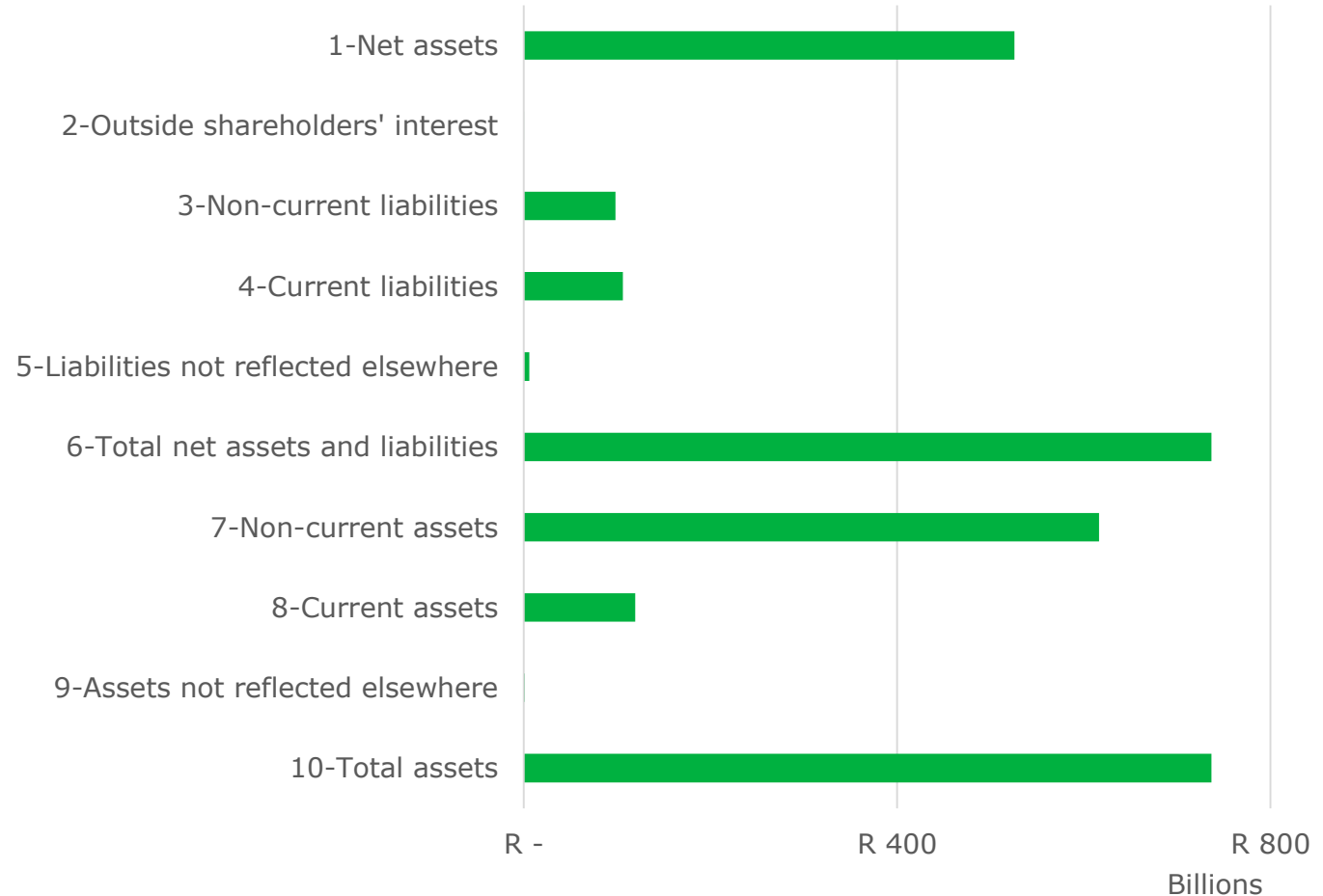
# Preliminary Results

Statement of  
Financial  
Performance

Statement of  
Financial  
Position

Financial  
Ratios

Total Balance sheet: 2015/16



## Preliminary Results



Statement of  
Financial  
Performance

- **Current Ratio**
- **Acid test Ratio**
- **Debt Ratio**



Statement of  
Financial  
Position



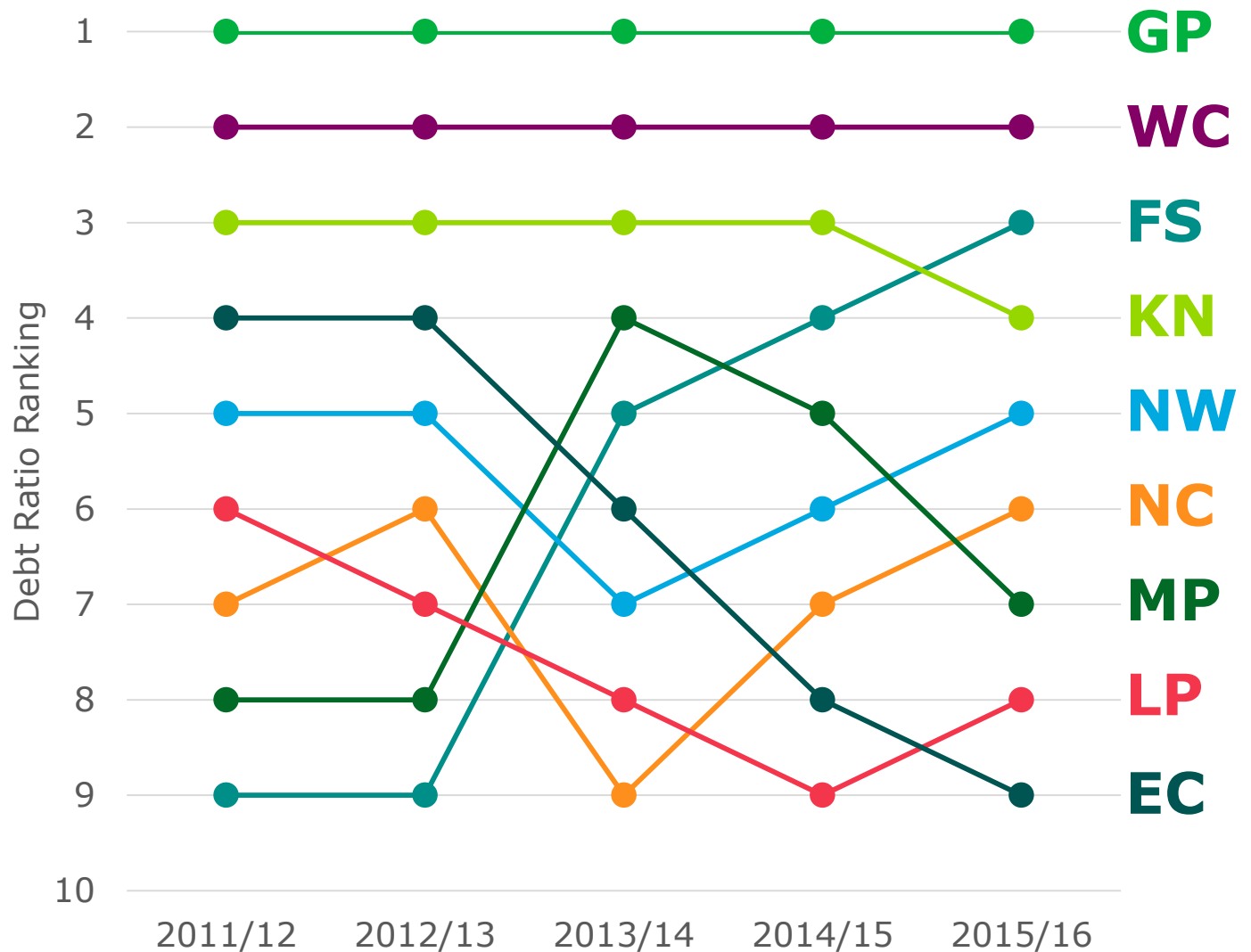
Financial  
Ratios

# Which Provinces are most in Debt?

Statement of Financial Performance

Statement of Financial Position

Financial Ratios



## Preliminary Results

Statement of  
Financial  
Performance

- **Current Ratio**
- **Acid test Ratio**
- **Debt Ratio**

Statement of  
Financial  
Position

- **Municipal** debt was R211 billion in 2016.  
(includes non-current and current liabilities)

Financial  
Ratios

- Total assets was worth R737 billion
- This translates to a debt **ratio** of 29%.
- In other words, 29c of every rand used to finance **municipal** operations was in the form of debt.

# Preliminary Results

24 out of 257  
Municipalities  
are above 0.45

Most are DMs

Statement of  
Financial  
Performance

Statement of  
Financial  
Position

Financial  
Ratios

Cod	Name	2016	Pop
JC19	DC19 Thabo Mofutsanyane	2.21	743088
JC07	DC07 Pixley ka Seme	1.84	199785
JC08	DC08 ZF Mgcawu (Siyanda)	1.61	258318
JC40	DC40 Dr Kenneth Kaunda	1.23	745838
JC05	DC05 Central Karoo	1.09	73204
JC03	DC03 Overberg	0.95	278706
JC48	DC48 West Rand	0.93	840908
JC37	DC37 Bojanala Platinum	0.90	1671530
J203	FS203 Ngwathe	0.88	126049
JC42	DC42 Sedibeng	0.73	959955
JC16	DC16 Xhariep	0.73	122297
JC32	DC32 Ehlanzeni	0.72	1793578
JC06	DC06 Namakwa	0.67	127617
J392	NW392 Naledi	0.65	72168
J223	KZN223 Mpfofana	0.63	36503
J341	LIM341 Musina	0.59	124823
J064	NC064 Kamiesberg	0.59	10655
J006	TSH City of Tshwane	0.56	3235094
J184	FS184 Matjhabeng	0.51	419235
J194	FS194 Maluti-a-Phofung	0.49	337136
J383	NW383 Mahikeng	0.49	307509
J396	NW396 Lekwa-Teemane	0.48	58534
J004	JHB City of Johannesburg	0.47	4938105
J045	WC045 Oudtshoorn	0.46	97945
J205	FS205 Mafube	0.45	61000
J093	NC093 Magareng	0.44	24347



## Preliminary Results



### Statement of Financial Performance

- Factors to consider with the debt ratio:
  - Powers and functions
  - Regulatory environment
  - Accessibility to finances
  - Cash flows



### Statement of Financial Position

- Larger municipalities are perceived to be more stable financially and thus should carry a smaller risk of defaulting on loans.

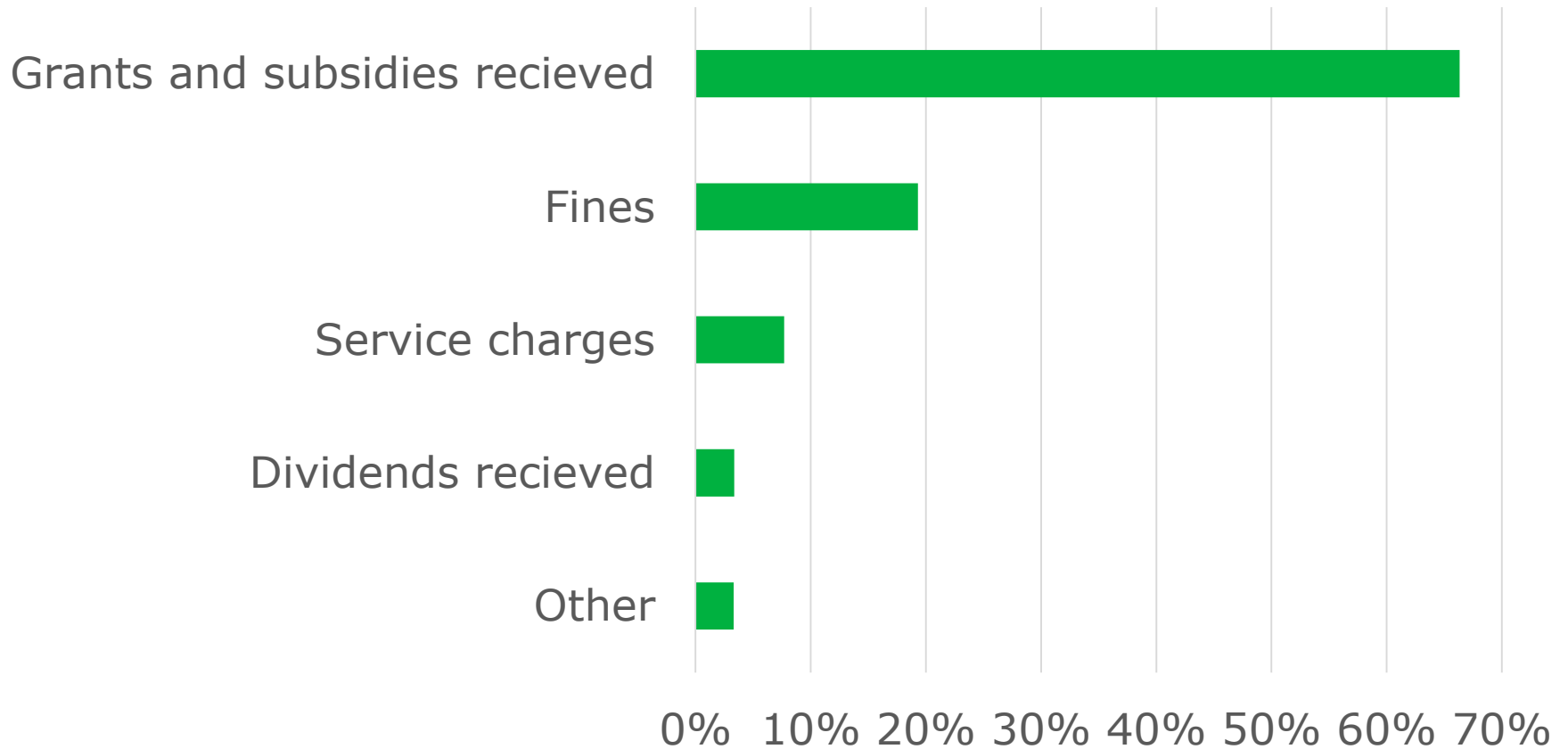


### Financial Ratios

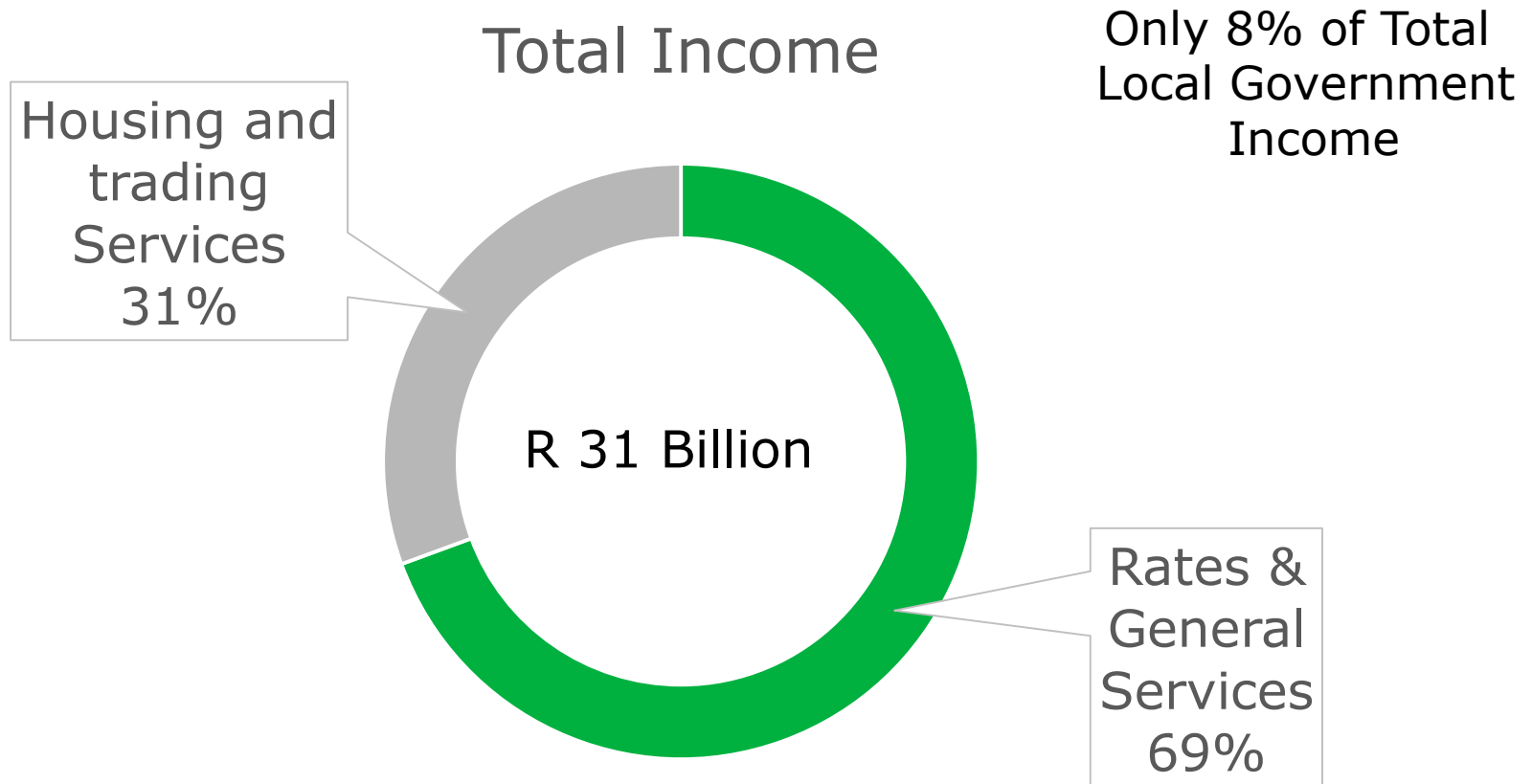
- District Municipalities are almost completely dependent on National and Provincial Grants and tend to have high debt ratios.

# District Income Break Down

## Income Categories

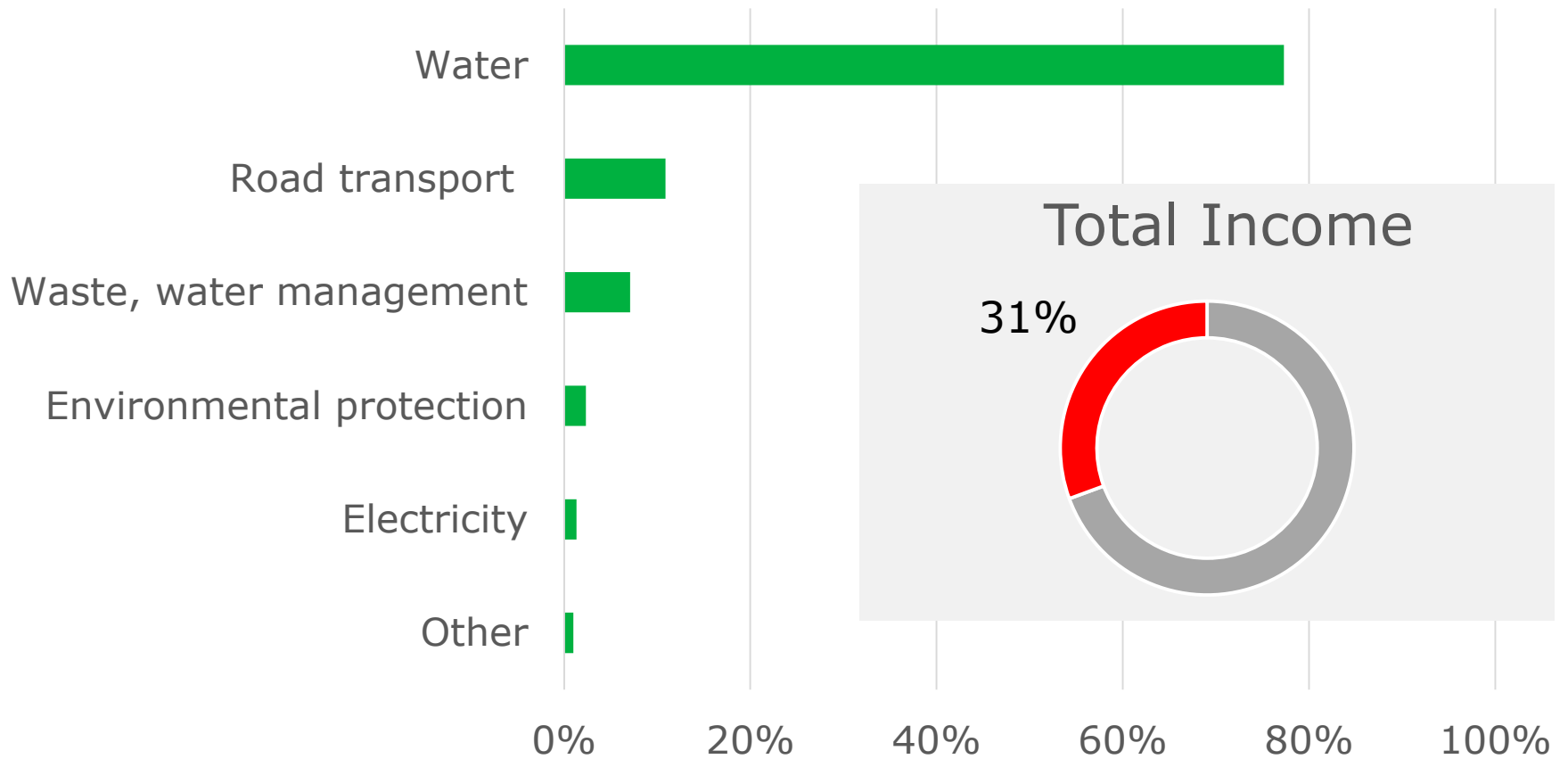


## District Income Break Down



# District Income Break Down

Income Functions: Housing & Trading Services



# THANK YOU!

## ReX Fiscal Module

Available from our next quarterly release  
(early 2018)

Please contact **Johan Boshoff**  
for more information:

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To gain **early access**, please contact me:

[evan.burger@ihsmarkit.com](mailto:evan.burger@ihsmarkit.com)