Estimates of National Expenditure 2023

Vote 35: Science and Innovation

National Treasury

Republic of South Africa



Vote 35

Science and Innovation

Budget summary

			2023/24		2024/25	2025/26
	Current	Transfers and	Payments for			
R million	payments	subsidies	capital assets	Total	Total	Total
MTEF allocation						
Administration	317.9	15.7	10.4	344.1	359.3	375.2
Technology Innovation	75.6	2 492.8	-	2 568.4	2 307.9	1 957.8
International Cooperation and Resources	73.2	76.7	_	149.9	156.6	163.5
Research, Development and Support	55.9	5 990.1	_	6 046.0	5 854.5	5 680.5
Socioeconomic Innovation Partnerships	55.4	1 710.5	_	1 765.9	1 845.4	1 928.0
Total expenditure estimates	578.0	10 285.8	10.4	10 874.2	10 523.7	10 105.0
For the state of	4: :					

Executive authority Minister of Science and Innovation
Accounting officer Director-General of Science and Innovation
Website www.dst.gov.za

Vote purpose

Realise the full potential of science and technology in social and economic development by developing human resources, research and innovation.

Mandate

The Department of Science and Innovation derives its mandate from the 1996 White Paper on Science and Technology, which introduced the concept of the national system of innovation – a set of interacting organisations and policies through which South Africa creates, acquires, diffuses and puts into practice new knowledge to help achieve individual and collective goals. A coordinated and efficient national system of innovation will help the country achieve its national development priorities by promoting change through innovation, and enable all South Africans to enjoy the economic, sociopolitical and intellectual benefits of science, technology and innovation.

Selected performance indicators

Table 35.1 Performance indicators by programme and related priority

						Estimated			
			Audit	ed perforr	nance	performance	N	TEF targe	ts
Indicator	Programme	MTSF priority	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of commercial	Technology		11	15	4	5	5	5	5
outputs in designated areas	Innovation								
per year		Priority 2: Economic							
Number of technology	Technology	transformation and job	_1	18	10	20	25	30	30
demonstrations, prototypes,	Innovation	creation							
products and services									
developed per year									
Funds invested by	International		R300m	R300m	R300m	R300m	R400m	R400m	R400m
international partners in	Cooperation								
their own organisations and	and Resources								
initiatives targeted at									
cooperation with South									
African partners in the areas		Driarity 7, A hottor							
of research, innovation,		Priority 7: A better Africa and world							
science, technology and		Africa and world							
innovative human capital									
development as part of									
cooperation initiatives									
implemented by the									
department per year									

The Estimates of National Expenditure is available at www.treasury.gov.za. Additional tables in Excel format can be found at www.treasury.gov.za and www.vulekamali.gov.za.

Table 35.1 Performance indicators by programme and related priority (continued)

						Estimated			
			Audited performance			performance	N	TEF target	ts
Indicator	Programme	MTSF priority	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of doctoral students	Research,		3 100	3 100	3 200	3 200	3 200	3 200	3 200
awarded bursaries per year,	Development								
as reflected in reports from	and Support								
the National Research									
Foundation and relevant									
entities									
Number of pipeline	Research,		10 800	10 800	10 800	10 800	10 900	10 900	10 900
postgraduate students	Development								
(BTech, honours and masters	and Support								
students) awarded bursaries		Driggity 2. Education							
per year, as reflected in		Priority 3: Education, skills and health							
reports from the National		Skiiis and nealth							
Research Foundation and									
relevant entities									
Number of researchers	Research,		4 500	4 600	4 700	4 700	4 700	4 700	4 700
awarded research grants per	Development								
year through programmes	and Support								
managed by the National									
Research Foundation, as									
reflected in the foundation's									
project reports									
Number of knowledge and	Socioeconomic		57	70	70	70	70	70	70
innovation products added to	Innovation								
the industrial development	Partnerships								
and green economy									
intellectual property		Priority 2: Economic							
portfolio per year through		transformation and job							
fully funded or co-funded		creation							
research initiatives		Creation							
Number of knowledge	Socioeconomic		6	5	5	5	5	5	5
products on innovation for	Innovation								
inclusive development	Partnerships								
published per year									

^{1.} No historical data available.

Expenditure overview

Over the medium term, the department plans to focus on providing funding for research infrastructure to strengthen South Africa's research and innovation capabilities, including implementing the national space strategy; developing human capital; and advancing innovation to improve South Africa's competitiveness in the global market through measures such as supporting emerging farmers.

The department's expenditure is expected to increase at an average annual rate of 3.4 per cent, from R9.1 billion in 2022/23 to R10.1 billion in 2025/26. Transfers and subsidies account for an estimated 94 per cent (R29.7 billion) of total expenditure over the MTEF period. The second-largest cost driver is compensation of employees, spending on which increases from R357.7 million in 2022/23 to R403.8 million in 2025/26 at an average annual rate of 4.1 per cent.

Strengthening research infrastructure and innovation capabilities

In recognising that the availability of adequate research infrastructure is vital for the development of a robust and competitive national system of innovation, the department will continue to fund projects that are in line with the South African research infrastructure roadmap. These include constructing large national infrastructure platforms and facilities; acquiring scientific equipment; and developing pilot plants, technology demonstrators and specialised facilities such as drug development and aerospace platforms. In support of this, the department is allocated R3.9 billion over the period ahead in the *Basic Science and Infrastructure* subprogramme in the *Research Development and Support* programme.

The department's work is also geared towards strengthening research capabilities. Key among these are the South African National Space Agency's space infrastructure hub project, a multiyear infrastructure development project that involves the development of space infrastructure such as satellite imagery to map geographical information, satellite-based augmentation systems and earth observation satellites; and the Square Kilometre

Array, which is a global endeavour to construct the world's largest and most sensitive wavelength radio telescope. These initiatives are supported by additional allocations over the MTEF period of R1.2 billion to the South African National Space Agency for the space infrastructure hub project and R1.3 billion to the South African Radio Astronomy Observatory for the expansion of the Square Kilometre Array in the *Space Science* subprogramme in the *Technology Innovation* programme.

Developing human capital

Human capital is key to the development of a national system of innovation that is globally competitive and responsive to South Africa's developmental needs. In recognition of this, the department provides support through granting postgraduate bursaries and scholarships; sponsoring internships; and funding emerging and established researchers, including for strategic instruments such as the South African research chairs initiative and centres of excellence projects. To date, the department has awarded 257 research chairs, 240 of which are operational. Centres of excellence serve as hubs that draw a range of universities and science councils together to tackle challenges in areas such as health, food security, human development, energy and biodiversity. In support of these efforts, R8.7 billion is allocated over the MTEF period to the *Human Capital and Science Promotions* subprogramme in the *Research, Development and Support* programme.

Advancing innovation to improve South Africa's competitiveness in the global market

Over the medium term, the department plans to advance innovation and address key competitiveness challenges, including market sustainability and facilitating access to new export markets. To achieve this, it intends to support 15 commercial outputs in designated areas such as health care and 85 technology demonstrations, prototypes, products and services each year over the period ahead. These include locally developed fermentation-based skin care products and cotton baling machines for small-scale farmers. The department also plans to financially support black emerging farmers; train artisans in the space, energy and bioeconomy sectors; train graduates through experiential learning opportunities in the energy sector; and support learnership initiatives in publicly financed research and development institutions. Spending for these initiatives is expected to amount to R6.8 billion over the MTEF period in the *Technology Innovation* programme.

Expenditure trends and estimates

Table 35.2 Vote expenditure trends and estimates by programme and economic classification

Programmes

- 1. Administration
- 2. Technology Innovation
- 3. International Cooperation and Resources
- 4. Research, Development and Support
- 5. Socioeconomic Innovation Partnerships

Programme						Average:					Average:
-					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Medium	n-term expend	diture	rate	Total
	Aud	lited outcom	2	appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Programme 1	352.1	262.2	304.5	352.1	0.0%	3.8%	344.1	359.3	375.2	2.1%	3.5%
Programme 2	1 236.7	1 379.8	1 719.6	1 907.0	15.5%	18.7%	2 568.4	2 307.9	1 957.8	0.9%	21.5%
Programme 3	136.0	114.2	131.8	149.4	3.2%	1.6%	149.9	156.6	163.5	3.1%	1.5%
Programme 4	4 578.4	3 731.0	4 991.4	4 979.2	2.8%	54.8%	6 046.0	5 854.5	5 680.5	4.5%	55.5%
Programme 5	1 778.2	1 678.0	1 814.7	1 757.6	-0.4%	21.1%	1 765.9	1 845.4	1 928.0	3.1%	18.0%
Total	8 081.4	7 165.3	8 962.0	9 145.3	4.2%	100.0%	10 874.2	10 523.7	10 105.0	3.4%	100.0%
Change to 2022				12.0			1 629.6	863.9	12.5		
Budget estimate											

Table 35.2 Vote expenditure trends and estimates by programme and economic classification (continued)

Economic classification			, , ,			Average:	•				Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Medium	-term expend	diture	rate	Total
	Aud	lited outcome	•	appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Current payments	558.7	429.0	485.6	579.9	1.2%	6.2%	578.0	603.9	630.9	2.9%	5.9%
Compensation of employees	336.7	321.9	332.8	357.7	2.0%	4.0%	370.5	386.8	403.8	4.1%	3.7%
Goods and services ¹	222.1	107.0	152.8	222.2	0.0%	2.1%	207.5	217.1	227.2	0.7%	2.1%
of which:											
Advertising	13.2	4.3	21.3	11.3	-5.0%	0.2%	13.6	14.2	14.8	9.4%	0.1%
Consultants: Business and	12.4	10.3	13.9	21.2	19.7%	0.2%	17.3	18.0	18.8	-4.0%	0.2%
advisory services											
Agency and	9.2	10.2	14.2	12.7	11.4%	0.1%	16.4	17.1	17.9	12.2%	0.2%
support/outsourced services											
Property payments	42.3	13.3	16.2	14.5	-30.1%	0.3%	14.5	15.2	15.8	3.1%	0.1%
Travel and subsistence	61.9	7.3	16.3	58.9	-1.6%	0.4%	61.0	63.9	66.9	4.3%	0.6%
Venues and facilities	17.5	1.5	2.3	16.0	-2.9%	0.1%	15.6	16.2	16.8	1.7%	0.2%
Transfers and subsidies1	7 514.8	6 729.7	8 467.4	8 554.1	4.4%	93.7%	10 285.8	9 909.2	9 463.4	3.4%	94.0%
Departmental agencies and	5 165.3	4 721.3	6 017.0	6 547.8	8.2%	67.3%	8 269.1	7 798.6	7 258.3	3.5%	73.5%
accounts											
Higher education institutions	_	252.9	240.5	-	0.0%	1.5%	_	_	_	0.0%	0.0%
Foreign governments and	-	-	2.0	-	0.0%	0.0%	_	_	-	0.0%	0.0%
international organisations											
Public corporations and	1 811.7	1 495.8	1 957.5	1 512.7	-5.8%	20.3%	1 604.4	1 679.7	1 755.0	5.1%	16.1%
private enterprises											
Non-profit institutions	533.6	259.1	249.2	493.6	-2.6%	4.6%	412.3	430.8	450.1	-3.0%	4.4%
Households	4.2	0.5	1.1	-	-100.0%	0.0%	_	_	_	0.0%	0.0%
Payments for capital assets	7.8	6.1	8.9	11.3	13.2%	0.1%	10.4	10.6	10.7	-1.7%	0.1%
Machinery and equipment	7.8	6.1	8.9	11.3	13.2%	0.1%	10.4	10.6	10.7	-1.7%	0.1%
Payments for financial assets	0.1	0.5	0.1	_	-100.0%	0.0%	-	-	-	0.0%	0.0%
Total	8 081.4	7 165.3	8 962.0	9 145.3	4.2%	100.0%	10 874.2	10 523.7	10 105.0	3.4%	100.0%

^{1.} Tables with expenditure trends, annual budget, adjusted appropriation and audited outcome are available at www.treasury.gov.za and www.vulekamali.gov.za.

Transfers and subsidies expenditure trends and estimates

Table 35.3 Vote transfers and subsidies trends and estimates

					Average	Average: Expen-				Average	Average: Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Mediur	n-term expend	iture	rate	Total
_	Au	dited outcome		appropriation	(%)	(%)		estimate		(%)	(%)
R thousand	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Households											
Social benefits											
Current	2 644	478	1 070	_	-100.0%	_				-	_
Households	2 644	478	1 070	_	-100.0%	-				-	-
Departmental agencies and accounts											
Departmental agencies (non-											
business entities)											
Current	4 070 309	3 941 266	4 496 668	4 752 876	5.3%	55.2%	5 660 218	5 535 330	5 329 869	3.9%	55.7%
Various institutions: Institutional and	1 838	315	-	_	-100.0%	-	-	-	-	_	-
programme support research											
Various institutions: Biofuels	2 000	7 889	9 130	_	-100.0%	0.1%	-	-	-	_	-
research											
Various institutions: Technology	2 188	3 646	3 471	_	-100.0%	_	_	_	-	-	-
transfer offices: Support of research											
units											
Various institutions: Implementation	31 258	47 080	44 130	_	-100.0%	0.4%	_	-	_	_	-
of bioeconomy strategy											
Various institutions: Energy grand	-	47 232	43 318	54 451	-	0.5%	44 622	46 626	48 715	-3.6%	0.5%
challenge research											
Various institutions: Health	49 020	52 686	103 752	_	-100.0%	0.7%	-	-	-	_	_
innovation research	27.055	22.225	20.225	24.040	0.50/		24.422	22.525	22.225	2.40/	0.00/
Various institutions: HIV and AIDS	27 866	29 205	30 225	31 019	3.6%	0.4%	31 139	32 537	33 995	3.1%	0.3%
prevention and treatment											
technologies research	_	43 776	42 580			0.3%					
Various institutions: Hydrogen	_	43 //6	42 580	_	_	0.3%	_	_	_	_	_
strategy research Various institutions: Innovation	14 868	125 000	168 946	468 294	215.8%	2.5%	521 389	544 804	569 211	6.7%	5.5%
projects research	14 000	125 000	100 940	400 294	215.6%	2.5%	321 309	344 604	309 211	0.776	3.3%
Various institutions: Space science	54 400	36 202	42 390	111 121	26.9%	0.8%	33 419	34 920	36 484	-31.0%	0.6%
research: Economic competitiveness	34 400	30 202	42 330	111 121	20.570	0.670	33 413	34 320	30 404	-31.070	0.070
and support package											
National Research Foundation:	1 623	500	4 968	13 765	103.9%	0.1%	6 792	7 097	7 415	-18.6%	0.1%
Research and development in	1 023	300	4 300	13 703	103.570	0.170	0732	, 657	7 413	10.070	0.170
indigenous knowledge systems											
Technology Innovation Agency	440 929	408 825	447 703	458 370	1.3%	5.6%	460 131	480 795	502 335	3.1%	5.0%
South African National Space Agency	143 464	161 196	202 193	162 439	4.2%	2.1%	163 063	170 386	178 019	3.1%	1.8%
Medical Research Council: Social		33 422	-		-	0.1%		_	-	-	-
impact bond		· · -									

Table 35.3 Vote transfers a	nd subsidies	trends an	d estimat	tes (continu	ed)						
					Average growth	Average: Expen- diture/				Average growth	Average: Expen- diture/
				Adjusted	rate	Total	Mediur	n-term expend	iture	rate	Total
R thousand	2019/20	dited outcome 2020/21	2021/22	appropriation 2022/23	(%)	(%) - 2022/23	2023/24	estimate 2024/25	2025/26	(%) 2022/23	(%)
Various institutions: Space science	2013/20	2020/21	-	- 2022/23	2013/20	- 2022/23	775 000	434 000	2023/20	-	3.2%
research: Space Infrastructure Hub											
National Research Foundation:	15 876	2 583	14 670	17 077	2.5%	0.2%	17 143	17 913	18 716	3.1%	0.2%
Bilateral cooperation for global science development											
Various institutions: Global science:	18 279	25 949	26 049	_	-100.0%	0.2%	_	_	_	_	_
International multilateral											
agreements											
Various institutions: Global science: African multilateral agreements	_	6 764	1 307	_	-	-	-	-	-	_	_
Academy of Science of South Africa	26 983	24 840	33 210	33 839	7.8%	0.4%	33 970	35 496	37 086	3.1%	0.4%
Various institutions: Astronomy	32 789	32 469	20 668	41 715	8.4%	0.4%	41 876	43 757	45 717	3.1%	0.5%
research and development											
Various institutions: Policy	27 116	28 266	35 276	37 944	11.9%	0.4%	38 090	39 801	41 584	3.1%	0.4%
development on human and social development dynamics											
National Research Foundation:	922 337	762 252	954 004	1 005 661	2.9%	11.7%	1 010 719	1 056 110	1 103 424	3.1%	10.9%
Human resources development for											
science and engineering National Research Foundation:		23 057		19 104		0.1%	19 178	20 039	20 937	3.1%	0.2%
Human resources development for	_	25 057	_	19 104	_	0.1%	19 17 6	20 059	20 937	3.170	0.2%
science and engineering: Economic											
competitiveness and support											
package	042.205	050 460	062.507	007.400	1.00/	12.00/	1 001 205	1.046.051	1 002 014	2.10/	10.00/
National Research Foundation Various institutions: Science	943 385 64 273	859 469 30 000	962 587 57 943	997 408 80 763	1.9% 7.9%	12.0% 0.7%	1 001 295 94 428	1 046 051 98 669	1 092 914 103 089	3.1% 8.5%	10.8% 1.0%
awareness, research and initiatives	04273	30 000	37 343	50703	7.570	0.770	34 420	30 003	103 003	0.570	1.070
to encourage youth participation in											
science	F.C. 20F	544 500	500 550	502.002	2.40/	7.40/	COE 240	622.200	660 720	2.40/	6.50/
National Research Foundation: South African research chairs	566 305	544 508	588 550	602 902	2.1%	7.4%	605 218	632 398	660 729	3.1%	6.5%
initiative to develop human											
resources in science											
Various institutions: Strategic	191 335	166 154	135 600	97 332	-20.2%	1.9%	242 258	253 138	264 479	39.5%	2.2%
science platforms for research and development											
Various institutions: Economic	33 823	_	_	_	-100.0%	0.1%	_	_	_	_	_
competitiveness and support											
package: Local manufacturing											
capacity research and technical											
support Various institutions: Economic	39 565	_	_	_	-100.0%	0.1%	_	_	_	_	_
competitiveness and support						5.2,5					
package: Local systems of innovation											
for the cold chain technologies											
project Various institutions: Advanced	904	752	18 760	_	-100.0%	0.1%	_	_	_	_	_
manufacturing technology strategy						3.2,1					
implementation											
Various institutions: Innovative	24 829	30 446	60 348	46 777	23.5%	0.5%	49 784	52 020	54 350	5.1%	0.5%
research and development Human Sciences Research Council	324 155	289 325	314 394	321 098	-0.3%	4.0%	322 332	336 808	351 897	3.1%	3.5%
Various institutions: Local	28 689	75 672	50 363	86 574	44.5%	0.8%	82 897	83 550	87 293	0.3%	0.9%
manufacturing capacity research and											
technical support			40.747	45 452		0.40/	45.542	46.240	46.026	2.40/	0.20/
Various institutions: Local systems of innovation for the cold chain	_	-	10 717	15 453	-	0.1%	15 513	16 210	16 936	3.1%	0.2%
technologies project											
National Research Foundation:	8 448	6 232	10 750	-	-100.0%	0.1%	_	-	-	-	-
Research information management											
system Human Science Research Council:	12 404	11 252	15 221	15 557	7.8%	0.2%	15 617	16 318	17 049	3.1%	0.2%
Develop and monitor science and	12 404	11 232	13 221	13 337	7.070	0.270	15 017	10 310	17 043	3.170	0.270
technology indicators											
Various institutions: Environmental	19 360	24 302	43 445	34 213	20.9%	0.4%	34 345	35 887	37 495	3.1%	0.4%
innovation	1 004 007	700.000	1 520 255	1 704 011	17.00/	16.69/	2 600 000	2 262 248	1 020 400	2.40/	22 50/
Capital Various institutions: Hydrogen	1 094 997	780 060 48 693	1 520 355 81 199	1 794 911	17.9%	16.6% 0.4%	2 608 890	2 263 318	1 928 406	2.4%	22.5%
strategy (capital)		.5 055	51 155			5.475					
Various institutions: Infrastructure	408 023	253 712	420 982	699 695	19.7%	5.7%	899 583	939 983	982 094	12.0%	9.2%
projects for research and											
development National Research Foundation:	686 974	477 655	1 018 174	1 095 216	16.8%	10.5%	1 709 307	1 323 335	946 312	-4.8%	13.3%
Square Kilometre Array: Capital	000 374	477 033	1 010 1/4	1 053 216	10.0/0	10.5/0	1 / 05 30 /	1 323 333	J-0 312	4.0/0	13.3/0
contribution to research											

Table 35.3 Vote transfers a	ila subsiales	s trenus and	u estimat	es (continu	eaj	Avorago					Average
					Average	Average: Expen-				Average	Average: Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Mediu	n-term expendi	iture	rate	Total
B thousand		dited outcome	2021/22	appropriation	(%)	(%) - 2022/23	2023/24	estimate	2025/26	(%)	(%) - 2025/26
R thousand Households	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Other transfers to households											
Current	1 605	50	60	-	-100.0%	-	_	_	-	-	_
Households	245	_	60	-	-100.0%	-	_	-	-	-	-
Various institutions: Policy	280	-	-	-	-100.0%	-	_	-	-	-	-
development on human and social development dynamics											
National Research Foundation:	1 080	_	_	-	-100.0%	_	_	_	_	_	_
Human resources development for											
science and engineering		50									
Various institutions: Strategic science platforms for research and development	=	50	-	_	-	-	=	_	_	_	-
Foreign governments and											
international organisations			2 000								
Current National Research Foundation:			2 000 2 000	_	_	-				_	_
Bilateral cooperation for global science development			2 000								
Public corporations and private enter	prises										
Other transfers to public corporations						_					
Current Various institutions: Tachnology	456 766 8 353	445 033 5 059	520 742 7 745	299 002	-13.2% -100.0%	5.5% 0.1%	304 105	321 044	335 426	3.9%	3.3%
Various institutions: Technology transfer offices: Support of research units	8 353	5 059	7 745	_	-100.0%	0.1%	_	_	_	_	-
Various institutions: Implementation of bioeconomy strategy	7 100	1 000	6 000	-	-100.0%	-	-	-	-	-	-
Various institutions: Energy grand challenge research	3 550	-	2 200	_	-100.0%	_	-	-	-	_	-
Various institutions: Health innovation research Various institutions: Hydrogen	- 25 884	_	2 300	_	-100.0%	0.1%	_	_	_	_	_
strategy research Various institutions: Hydrogen	13 086	_	_	_	-100.0%	0.1%	_	_	_	_	_
strategy (capital) Various institutions: Innovation	450	3 383	77 284	_	-100.0%	0.3%	_	_	_	_	_
projects research											
Various institutions: Space science research: Economic competitiveness and support package	5 000	22 600	29 070	_	-100.0%	0.2%	-	-	-	_	-
National Research Foundation: Research and development in	3 200	1 000	-	_	-100.0%	-	-	-	-	-	-
indigenous knowledge systems Various institutions: Emerging	80 700	80 500	84 700	119 750	14.1%	1.2%	120 210	125 609	131 236	3.1%	1.3%
research areas Various institutions: Global science: International multilateral	3 636	393	2 440	_	-100.0%	-	-	-	-	-	-
agreements											
Various institutions: Global science: African multilateral agreements	4 380	2 785	4 000	_	-100.0%	-	-	-	-	-	-
National Research Foundation: Human resources development for	41 234	42 000	32 128	_	-100.0%	0.4%	-	-	-	_	-
science and engineering National Research Foundation: Human resources development for	22 000	-	18 607	-	-100.0%	0.1%	-	-	-	-	-
science and engineering: Economic competitiveness and support											
package Various institutions: Science	_	_	18 732	_	_	0.1%	_	_	_	_	_
awareness, research and initiatives to encourage youth participation in			16 /32	_		0.1%					
science Various institutions: Strategic science platforms for research and	14 900	20 100	17 633	_	-100.0%	0.2%	_	_	-	-	-
development Various institutions: Economic	46 178	-	-	_	-100.0%	0.1%	-	-	-	-	_
competitiveness and support package: Local manufacturing capacity research and technical											
support Various institutions: Advanced manufacturing technology strategy	58 356	56 737	26 454	36 000	-14.9%	0.6%	38 000	40 000	41 792	5.1%	0.4%
implementation Various institutions: Innovative	1 000	_	5 758	_	-100.0%	-	_	_	_	_	_
research and development Various institutions: Information	27 975	33 915	35 475	42 929	15.3%	0.4%	43 094	45 029	47 046	3.1%	0.5%
Communication Technology Various institutions: Local manufacturing capacity research and	-	40 574	30 358	_	-	0.2%	-	-	-	-	-
technical support											

Table 35.3 Vote transfers ar	nd subsidies	trends and	d estimat	es (continu	ed)						
					Average growth	Average: Expen- diture/				Average growth	Average: Expen- diture/
				Adjusted	rate	Total	Medium	n-term expendi	ture	rate	Total
R thousand	2019/20	ited outcome 2020/21	2021/22	appropriation 2022/23	2019/20	(%) - 2022/23	2023/24	estimate 2024/25	2025/26	(%)	(%) - 2025/26
Council for Scientific and Industrial	21 139	43 863	63 506	65 073	45.5%	0.6%	65 323	68 257	71 315	3.1%	0.7%
Research: Mining research and											
development											
Various institutions: Local systems of	6 793	29 495	4 329	-	-100.0%	0.1%	_	_	-	-	-
innovation for the cold chain technologies project											
Various institutions: Resource-based	52 852	45 884	37 223	35 250	-12.6%	0.5%	37 478	42 149	44 037	7.7%	0.4%
industries research and	32 032	.5 00 .	5, <u>22</u> 5	33 230	12.070	0.570	37 .70	.2.1.5		71770	0.170
development											
Various institutions: Environmental	9 000	15 745	17 000	-	-100.0%	0.1%	-	-	-	-	-
innovation				244 422	4= ==/	2 22/				4=/	2.00/
Capital	376 282	142 555	315 100	211 439	-17.5%	3.3%	294 188	307 400	321 172	15.0%	3.0%
Council for Scientific and Industrial Research: Cyberinfrastructure	251 686	60 218	237 121	211 439	-5.6%	2.4%	294 188	307 400	321 172	15.0%	3.0%
research and development											
Various institutions: Infrastructure	124 596	82 337	77 979	_	-100.0%	0.9%	_	_	_	_	_
projects for research and											
development											
Higher education institutions		424.040	422.400			0.00/					
Current Various institutions: Institutional and		131 948 9 384	123 499 3 121	_		0.8%				_	
programme support research		3 364	3 121	_		_				_	_
Various institutions: Technology	_	27 412	33 805	_	_	0.2%	_	_	_	_	_
transfer offices: Support of research											
units											
Various institutions: Implementation	-	600	-	-	-	-	-	-	-	-	-
of the bioeconomy strategy		_	500								
Various institutions: Health innovation research	_	_	500	_	_	_	_	_	_	_	-
Various institutions: Hydrogen	_	7 966	_	_	_	_	_	_	_	_	_
strategy research											
Various institutions: Space science	_	13 657	2 237	-	_	0.1%	_	_	_	-	-
research: Economic competitiveness											
and support package		22.645	4.604			0.40/					
National Research Foundation: Research and development in	-	23 615	1 601	_	-	0.1%	-	-	-	_	-
indigenous knowledge systems											
Various institutions: Emerging	_	18 100	24 208	_	_	0.1%	_	_	_	_	_
research areas											
National Research Foundation:		4 349	-	-	-	-	-	-	-	-	-
Bilateral cooperation for global											
science development Various institutions: Global science:	_	6 356	11 115	_	_	0.1%	_	_	_	_	_
International multilateral		0 330	11 113			0.170					
agreements											
Various institutions: Global science:	_	602	1 299	-	_	-	_	_	_	-	-
African multilateral agreements											
Various institutions: Astronomy	-	60	-	-	-	-	_	-	-	-	-
research and development Various institutions: Policy	_	2 139	_	_	_	_	_	_	_	_	_
development on human and social		2 133		_		_				_	_
development dynamics											
National Research Foundation:	_	2 000	6 798	-	-	-	_	-	-	-	-
Human resources development for											
science and engineering			40.405			2.40/					
Various institutions: Science awareness, research and initiatives	-	3 498	13 105	_	-	0.1%	-	-	-	_	-
to encourage youth participation in											
science											
Various institutions: Strategic	-	12 210	17 560	-	-	0.1%	_	-	-	-	_
science platforms for research and											
development											
Various institutions: Innovative research and development	_	-	8 150	-	-	-	_	-	-	-	-
Capital	_	121 000	117 027	_	_	0.8%		_		_	_
Various institutions: Hydrogen		20 613	- 11/ 02/	_	_	0.8%				_	_
strategy (capital)		20 013				0.170					
Various institutions: Infrastructure	_	100 387	117 027	-	-	0.7%	-	-	-	_	_
projects for research and											
development											

Table 35.3 Vote transfers ar				Adjusted	Average growth rate	Average: Expen- diture/ Total	Mediur	n-term expendi	ture	Average growth rate	Average: Expen- diture/ Total
_	Auc	lited outcome		appropriation	(%)	(%)		estimate		(%)	(%)
R thousand	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	2025/26
Non-profit institutions Current	316 900	110 012	106 955	409 502	8.9%	3.0%	324 510	339 084	354 275	-4.7%	3.7%
Various institutions: Institutional and	18 484	5 896	12 021	15 665	-5.4%	0.2%	15 726	16 432	17 168	3.1%	0.2%
programme support research						0.2,0				0.2,1	
Various institutions: Biofuels	5 640	-	-	9 365	18.4%	-	9 401	9 823	10 263	3.1%	0.1%
research											
Various institutions: Implementation	2 200	7 895	-	39 335	161.5%	0.2%	44 683	46 690	48 782	7.4%	0.5%
of the bioeconomy strategy	27.225				400.00/	2 40/					
Various institutions: Energy grand	37 396	_	_	-	-100.0%	0.1%	_	_	_	-	-
challenge research Various institutions: Health	50			94 986	1138.5%	0.3%	55 197	57 676	60 260	-14.1%	0.7%
innovation research	30	_	_	34 380	1136.376	0.370	33 137	37 070	00 200	-14.1/0	0.776
Various institutions: Hydrogen	16 574	_	_	93 630	78.1%	0.4%	43 797	45 764	47 814	-20.1%	0.6%
strategy research											
Various institutions: Innovation	4 135	31 946	5 000	_	-100.0%	0.1%	-	_	-	-	-
projects research											
International Centre for Genetic	40 815	14 981	26 135	17 973	-23.9%	0.3%	16 626	17 373	18 151	0.3%	0.2%
Engineering and Biotechnology	40.000				400.00/						
Various institutions: Space science	10 000	_	-	_	-100.0%	_	-	-	_	_	-
research: Economic competitiveness and support package											
Various institutions: Technology	27 369	1 630	_	44 073	17.2%	0.2%	44 242	46 229	48 300	3.1%	0.5%
transfer offices: Support for research	27 303	1 050		44 07 3	17.270	0.270	44 242	40 223	40 300	3.170	0.570
units											
National Research Foundation:	9 100	900	-	_	-100.0%	-	-	_	-	-	-
Research and development in											
indigenous knowledge systems											
Medical Research Council: Social	-	_	-	35 125	-	0.1%	35 260	36 844	38 495	3.1%	0.4%
impact bond	21.000				100.00/	0.10/					
Various institutions: Emerging research areas	31 900	_	_	_	-100.0%	0.1%	_	_	-	_	_
National Research Foundation:	_	3 783	_	_	_	_	_	_	_	_	_
Bilateral cooperation for global		3 7 6 3									
science development											
Various institutions: Global science:	21 162	5 136	7 003	48 581	31.9%	0.3%	48 768	50 958	53 241	3.1%	0.5%
International multilateral											
agreements											
Various institutions: Global science:	3 652	200	3 887	10 769	43.4%	0.1%	10 810	11 295	11 801	3.1%	0.1%
African multilateral agreements Various institutions: Astronomy	_	4 985	4 955	-				_	_		_
research and development		4 363	4 333								
Various institutions: Policy	1 500	1 582	1 670	_	-100.0%	_	_	_	_	_	_
development on human and social											
development dynamics											
National Research Foundation:	11 157	1 800	9 950	-	-100.0%	0.1%	-	-	-	-	-
Human resources development for											
science and engineering	47.000				400.00/	2 40/					
Various institutions: Science	17 020	_	838	-	-100.0%	0.1%	_	_	_	-	-
awareness, research and initiatives to encourage youth participation in											
science											
Various institutions: Strategic	15 930	1 000	600	_	-100.0%	0.1%	_	_	_	_	_
science platforms for research and											
development											
Various institutions: Economic	17 524	-	-	-	-100.0%	0.1%	_	-	-	-	-
competitiveness and support											
package: Local systems of innovation											
for the cold chain technologies											
project Various institutions: Advanced	100	_	_	-	-100.0%			_	_		
manufacturing technology strategy	100	-	_	_	100.0%		-	_	-	_	
implementation											
Various institutions: Innovative	13 076	3 954	2 852	_	-100.0%	0.1%	_	_	_	_	_
research and development											
Various institutions: Information	10 274	4 000	6 343	-	-100.0%	0.1%	-	-	-	-	-
Communication Technology											
Various institutions: Local systems of	_	17 424	-	_	-	0.1%	-	-	-	-	-
innovation for the cold chain											
technologies project Various institutions: Resource-based	800	_	_		-100.0%		_	_			
Various institutions: Resource-based industries research and	800	_	-	_	-100.0%	_	_	_	-	_	_
development											
Various institutions: Environmental	1 042	2 900	25 701	_	-100.0%	0.1%	_	_	_	_	_
innovation	-										
Capital	216 690	149 105	142 292	84 103	-27.1%	1.9%	87 810	91 753	95 864	4.5%	0.9%
Various institutions: Hydrogen	61 859	_	_	84 103	10.8%	0.5%	87 810	91 753	95 864	4.5%	0.9%
strategy (capital)											
Various institutions: Infrastructure	154 831	149 105	142 292	_	-100.0%	1.4%	_	_	-	-	-
projects for research and											
development											

Table 35.3 Vote transfers and subsidies trends and estimates (continued)

				-	Average growth	Average: Expen- diture/				Average growth	Average: Expen- diture/
				Adjusted	rate	Total	Mediur	n-term expendi	iture	rate	Total
_	Au	dited outcome	!	appropriation	(%)	(%)		estimate		(%)	(%)
R thousand	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Public corporations and private enterp	rises										
Other transfers to private enterprises											
Current	12 796	14 614	143 210	_	-100.0%	0.5%				_	_
Various institutions: Technology	2 625	4 421	-	_	-100.0%	_	-	-	-	-	-
transfer offices: Support of research											
units											
Various institutions: Implementation	1 069	-	-	_	-100.0%	_	-	-	-	-	-
of bioeconomy strategy											
Various institutions: Health	2 161	-	1 500	-	-100.0%	-	-	-	-	-	-
innovation research											
Various institutions: Innovation	-	-	140 000	_	-	0.4%	-	-	-	-	-
projects research											
Various institutions: Space science	-	-	977	-	-	-	-	-	-	-	-
research: Economic competitiveness											
and support package											
National Research Foundation:	1 200	_	-	_	-100.0%	_	_	-	-	-	_
Research and development in											
indigenous knowledge systems											
Various institutions: Global science:	669	3 264	733	-	-100.0%	-	-	-	-	-	_
International multilateral											
agreements											
Various institutions: Strategic	_	2 000	-	_	-	_	_	-	-	-	_
science platforms for research and											
development											
Various institutions: Economic	4 900	_	-	-	-100.0%	-	-	_	-	-	-
competitiveness and support											
package: Local systems of innovation											
for the cold chain technologies											
project											
Various institutions: Advanced	172	87	-	_	-100.0%	_	_	-	-	-	_
manufacturing technology strategy											
implementation											
Various institutions: Local systems of	_	4 842	-	_	_	_	_	_	_	_	_
innovation for the cold chain											
technologies project											
Public corporations and private											
enterprises											
Subsidies on products and production						45.50					40.00/
Current	965 823	893 581	978 449	1 002 269	1.2%	12.3%	1 006 119	1 051 303	1 098 401	3.1%	10.9%
Council for Scientific and Industrial	965 823	893 581	978 449	1 002 269	1.2%	12.3%	1 006 119	1 051 303	1 098 401	3.1%	10.9%
Research	7 54 4 04 5	6 720 765	0.467.457	0.554.655	4.401	400.004	40 305 053	0.000.335	0.460.410	2.461	400.001
Total	7 514 812	6 729 702	8 467 427	8 554 102	4.4%	100.0%	10 285 840	9 909 232	9 463 413	3.4%	100.0%

Personnel information

Table 35.4 Vote personnel numbers and cost by salary level and programme¹

Programmes

- 1. Administration
- 2. Technology Innovation
- 3. International Cooperation and Resources
- 4. Research, Development and Support

5. Socioeconon			lips																
		of posts																	Average:
	estima	ted for																Average	Salary
	31 Mar	ch 2023			Nur	nber and c	ost ² of p	ersoni	nel posts fi	lled/pla	nned f	or on fund	ed estab	lishm	ent			growth	level/
		Number																rate	Total
		of posts	A	ctual		Revise	ed estim	ate			Medi	um-term ex	penditu	ire est	imate			(%)	(%)
	Number	additional											•						
	of	to the																	
	funded	establish-																	
	posts	ment	2	021/22		20	022/23		2	023/24		2	024/25		2	025/26		2022/23	- 2025/26
					Unit			Unit			Unit			Unit			Unit		
Science and In	cience and Innovation			Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary level	495	5	371	332.8	0.9	378	357.7	0.9	399	370.5	0.9	389	386.8	1.0	402	403.8	1.0	2.1%	100.0%
1-6	70	2	56	15.8	0.3	51	14.9	0.3	55	15.5	0.3	53	15.8	0.3	55	16.9	0.3	2.8%	13.7%
7 – 10	143	2	96	42.9	0.4	101	47.8	0.5	111	51.8	0.5	105	52.0	0.5	112	56.5	0.5	3.4%	27.3%
11 – 12	152	-	116	118.8	1.0	120	128.9	1.1	125	133.8	1.1	124	140.8	1.1	126	145.3	1.2	1.6%	31.6%
13 – 16	126	1	98	147.1	1.5	102	161.3	1.6	104	164.6	1.6	103	173.0	1.7	105	179.9	1.7	1.0%	26.4%
Other	4	_	5	8.2	1.6	4	4.8	1.2	4	4.8	1.2	4	5.1	1.3	4	5.2	1.3	-	1.0%
Programme	495	5	371	332.8	0.9	378	357.7	0.9	399	370.5	0.9	389	386.8	1.0	402	403.8	1.0	2.1%	100.0%
Programme 1	247	5	188	155.0	0.8	196	169.2	0.9	211	175.9	0.8	206	183.7	0.9	210	191.7	0.9	2.3%	52.5%
Programme 2	62	_	46	44.7	1.0	48	48.9	1.0	51	53.4	1.0	49	55.8	1.1	51	58.2	1.1	2.0%	12.7%
Programme 3	69	_	49	48.3	1.0	49	53.6	1.1	52	55.1	1.1	50	57.5	1.1	53	60.0	1.1	2.7%	13.0%
Programme 4	55	-	45	42.6	0.9	41	40.8	1.0	39	40.2	1.0	38	42.0	1.1	41	43.8	1.1	0.2%	10.2%
Programme 5	62	-	43	42.2	1.0	44	45.2	1.0	46	45.9	1.0	46	47.9	1.0	47	50.0	1.1	2.2%	11.7%

^{1.} Data has been provided by the department and may not necessarily reconcile with official government personnel data.

^{2.} Rand million.

Departmental receipts

Table 35.5 Departmental receipts by economic classification

		, ,					Average:					Average:
						Average	Receipt				Average	Receipt
						growth	item/				growth	item/
				Adjusted	Revised	rate	Total				rate	Total
	Aı	udited outcom	e	estimate	estimate	(%)	(%)	Medium-te	rm receipts	estimate	(%)	(%)
R thousand	2019/20	2020/21	2021/22	2022/23	3		- 2022/23	2023/24	2024/25	2025/26		- 2025/26
Departmental receipts	19 416	2 241	1 090	726	726	-66.6%	100.0%	683	733	783	2.6%	100.0%
Sales of goods and	67	69	69	70	70	1.5%	1.2%	60	60	60	-5.0%	8.5%
services produced by												
department												
Other sales	67	69	69	70	70	1.5%	1.2%	60	60	60	-5.0%	8.5%
of which:												
Services rendered:	67	69	69	70	70	1.5%	1.2%	60	60	60	-5.0%	8.5%
Commission on												
insurance												
Sales of scrap, waste,	2	2	4	6	6	44.2%	0.1%	3	3	3	-20.6%	0.5%
arms and other used												
current goods												
of which:												
Sales: Scrap, waste and	2	2	4	6	6	44.2%	0.1%	3	3	3	-20.6%	0.5%
other goods												
Interest, dividends and	13	13	37	30	30	32.1%	0.4%	20	20	20	-12.6%	3.1%
rent on land												
Interest	13	13	37	30	30	32.1%	0.4%	20	20	20	-12.6%	3.1%
Sales of capital assets	-	-	235	-	-	-	1.0%	_	_	-	-	-
Transactions in financial assets and liabilities	19 334	2 157	745	620	620	-68.2%	97.4%	600	650	700	4.1%	87.9%
Total	19 416	2 241	1 090	726	726	-66.6%	100.0%	683	733	783	2.6%	100.0%

Programme 1: Administration

Programme purpose

Provide strategic leadership, management and support services to the department.

Expenditure trends and estimates

Table 35.6 Administration expenditure trends and estimates by subprogramme and economic classification

Subprogramme Average: Expendiditure/ Adjusted appropriation Average: Expendiditure/ Adjusted appropriation Average: Expendiditure/ Bit propriation (%) Medium-term expenditure propriation R million 2019/20 2020/21 2021/22 2022/23 2019/20 - 2022/23 2023/24 2024/25 2025/26 Ministry 2.9 4.9 2.6 5.8 26.3% 1.3% 5.7 6.0 6.3 Institutional Planning and Support 170.1 113.2 145.3 162.7 -1.5% 46.5% 169.5 177.1 184.9 Corporate Services 144.2 134.9 145.9 177.8 7.2% 47.4% 163.1 170.3 177.8 Office Accommodation 34.8 9.2 10.7 5.7 -45.3% 4.8% 5.7 6.0 6.2 Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 10.0 17.0 17.0 17.0 17.0 <td< th=""><th>2.4% 4.4% - 3.1% 2.1%</th><th>48.5% 48.2% 1.7% 100.0%</th></td<>	2.4% 4.4% - 3.1% 2.1%	48.5% 48.2% 1.7% 100.0%
R million 2019/20 2020/21 2021/22 2022/23 2019/20 - 2022/23 2023/24 2023/24 2023/25 2023/24 2023/24 2023/25 2023/25 2023/24 2023/25 2023/25 2023/24 2023/25 <th>growth rate (%) 2022/23 2.4% 4.4% 3.1% 2.1%</th> <th>diture/ Total (%) - 2025/26</th>	growth rate (%) 2022/23 2.4% 4.4% 3.1% 2.1%	diture/ Total (%) - 2025/26
R million 2019/20 2020/21 2021/22 2022/23 2019/20 - 2022/23 2023/24 2023/24 2023/25 2023/24 2023/24 2023/25 2023/25 2023/24 2023/25 <th>rate (%) 2022/23 2.4% 4.4% - 3.1% 2.1%</th> <th>Total (%) - 2025/26 1.7% 48.5% 48.2% 1.7% 100.0%</th>	rate (%) 2022/23 2.4% 4.4% - 3.1% 2.1%	Total (%) - 2025/26 1.7% 48.5% 48.2% 1.7% 100.0%
R million 2019/20 2020/21 2021/22 2019/20 - 2022/23 2019/20 - 2022/23 2023/24 2023/25 2023/26 2	(%) 2022/23 2.4% 4.4% - 3.1% 2.1%	(%) - 2025/26 1.7% 48.5% 48.2% 1.7% 100.0%
R million 2019/20 2020/21 2021/22 2022/23 2019/20 - 2022/23 2023/24 2024/25 2025/26 Ministry 2.9 4.9 2.6 5.8 26.3% 1.3% 5.7 6.0 6.3 Institutional Planning and Support 170.1 113.2 145.3 162.7 -1.5% 46.5% 169.5 177.1 184.9 Corporate Services 144.2 134.9 145.9 177.8 7.2% 47.4% 163.1 170.3 177.8 Office Accommodation 34.8 9.2 10.7 5.7 -45.3% 4.8% 5.7 6.0 6.2 Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 17.0 17.0 10.8 11.1 11.4	2022/23 2.4% 4.4% - 3.1% 2.1%	- 2025/26 1.7% 48.5% 48.2% 1.7% 100.0%
Ministry 2.9 4.9 2.6 5.8 26.3% 1.3% 5.7 6.0 6.3 Institutional Planning and Support 170.1 113.2 145.3 162.7 -1.5% 46.5% 169.5 177.1 184.9 Corporate Services 144.2 134.9 145.9 177.8 7.2% 47.4% 163.1 170.3 177.8 Office Accommodation 34.8 9.2 10.7 5.7 -45.3% 4.8% 5.7 6.0 6.2 Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 17.0 17.0 10.8 11.1 11.4	2.4% 4.4% - 3.1% 2.1%	1.7% 48.5% 48.2% 1.7% 100.0%
Institutional Planning and Support 170.1 113.2 145.3 162.7 -1.5% 46.5% 169.5 177.1 184.9 Corporate Services 144.2 134.9 145.9 177.8 7.2% 47.4% 163.1 170.3 177.8 Office Accommodation 34.8 9.2 10.7 5.7 -45.3% 4.8% 5.7 6.0 6.2 Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 17.0 10.8 11.1 11.4	4.4% - 3.1% 2.1%	48.5% 48.2% 1.7% 100.0%
Corporate Services 144.2 134.9 145.9 177.8 7.2% 47.4% 163.1 170.3 177.8 Office Accommodation 34.8 9.2 10.7 5.7 -45.3% 4.8% 5.7 6.0 6.2 Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 17.0 10.8 11.1 11.4	3.1% 2.1%	48.2% 1.7% 100.0%
Office Accommodation 34.8 9.2 10.7 5.7 -45.3% 4.8% 5.7 6.0 6.2 Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 17.0 10.8 11.1 11.4	3.1% 2.1% 2.2%	1.7% 100.0% 92.5%
Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2 Change to 2022 17.0 10.8 11.1 11.4	2.1%	92.5%
Change to 2022 17.0 10.8 11.1 11.4	2.2%	92.5%
	2.2%	
Economic classification		
Current payments 321.5 239.9 279.6 325.1 0.4% 91.8% 317.9 332.3 347.4	1 2%	
Compensation of employees 161.4 151.6 155.0 169.2 1.6% 50.1% 175.9 183.7 191.7	4.270	50.4%
Goods and services 160.1 88.3 124.6 155.9 -0.9% 41.6% 142.0 148.7 155.6	-0.1%	42.1%
of which:		
Advertising 11.4 4.3 21.3 10.1 -4.0% 3.7% 12.3 12.9 13.5	10.2%	3.4%
Consultants: Business and advisory 9.0 5.2 8.4 15.1 19.1% 3.0% 11.0 11.6 12.1	-7.2%	3.5%
services		
Agency and support/outsourced 7.2 7.8 9.8 4.8 -12.5% 2.3% 7.3 7.6 8.0	18.3%	1.9%
services		
Operating leases 2.7 4.1 3.7 4.7 21.0% 1.2% 7.4 8.0 8.7	22.5%	2.0%
Property payments 42.3 13.3 16.2 13.5 -31.7% 6.7% 13.5 14.1 14.8		3.9%
Travel and subsistence 33.7 4.5 11.0 36.8 3.0% 6.8% 36.9 38.6 40.3		10.7%
Transfers and subsidies 22.7 15.8 15.8 15.7 -11.7% 5.5% 15.7 16.4 17.2	3.1%	4.5%
Departmental agencies and accounts 1.8 0.3	-	-
Higher education institutions - 9.4 3.1 - - 1.0%	-	-
Non-profit institutions 18.5 5.9 12.0 15.7 -5.4% 4.1% 15.7 16.4 17.2	3.1%	4.5%
Households 2.4 0.2 0.7100.0% 0.3%	_	-
Payments for capital assets 7.8 6.1 8.9 11.3 13.2% 2.7% 10.4 10.6 10.7		
Machinery and equipment 7.8 6.1 8.9 11.3 13.2% 2.7% 10.4 10.6 10.7	-1.7%	3.0%
Payments for financial assets 0.1 0.5 0.1100.0% 0.1%	_	_
Total 352.1 262.2 304.5 352.1 - 100.0% 344.1 359.3 375.2		100.0%
Proportion of total programme 4.4% 3.7% 3.4% 3.8% 3.2% 3.4% 3.7%	-	-
expenditure to vote expenditure		

Table 35.6 Administration expenditure trends and estimates by subprogramme and economic classification (continued)

Details of transfers and subsidies						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Medium	-term expen	diture	rate	Total
_	Aud	lited outcon	ne	appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Households											
Social benefits											
Current	2.4	0.1	0.4	-	-100.0%	0.2%	-	-	-	_	-
Households	2.4	0.1	0.4	-	-100.0%	0.2%	-	-	_	_	-
Departmental agencies and accounts											
Departmental agencies (non-											
business entities)											
Current	1.8	0.3	-	_	-100.0%	0.2%	_	_	-	_	_
Various institutions: Institutional and	1.8	0.3	-	-	-100.0%	0.2%	-	-	-	-	_
programme support research											
Non-profit institutions											
Current	18.5	5.9	12.0	15.7	-5.4%	4.1%	15.7	16.4	17.2	3.1%	4.5%
Various institutions: Institutional and	18.5	5.9	12.0	15.7	-5.4%	4.1%	15.7	16.4	17.2	3.1%	4.5%
programme support research											
Higher education institutions											
Current	-	9.4	3.1	_	-	1.0%	_	_	-	-	-
Various institutions: Institutional and	-	9.4	3.1	-	_	1.0%	-	_	_	_	-
programme support research											

Personnel information

Table 35.7 Administration personnel numbers and cost by salary level¹

	estima	of posts ted for ch 2023			Nur	nber and c	ost ² of p	erson	nel posts fi	lled/pla	nned f	or on fund	ed estab	olishm	ent			Average growth	Average: Salary level/
		Number of posts	A	ctual		Revise	ed estim	ate	•		Medi	um-term ex	(penditu	ıre est	imate			rate (%)	Total (%)
	Number	additional to the																	
	ot funded	establish-																	
	posts	ment	2	021/22		20	022/23		2	023/24		20	024/25		20	025/26		2022/23	- 2025/26
					Unit			Unit			Unit			Unit			Unit		
Administration	1		Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary level	247	5	188	155.0	0.8	196	169.2	0.9	211	175.9	0.8	206	183.7	0.9	210	191.7	0.9	2.3%	100.0%
1-6	50	2	39	10.9	0.3	37	10.8	0.3	43	11.8	0.3	41	12.1	0.3	42	12.6	0.3	4.3%	19.8%
7 – 10	86	2	57	24.3	0.4	64	29.1	0.5	71	31.8	0.4	69	32.9	0.5	70	34.0	0.5	3.0%	33.3%
11 – 12	59	_	47	49.0	1.0	47	52.4	1.1	48	53.4	1.1	48	56.6	1.2	48	57.6	1.2	0.7%	23.2%
13 – 16	48	1	40	62.5	1.6	44	72.3	1.6	45	74.1	1.6	44	76.9	1.7	46	82.3	1.8	1.5%	21.8%
Other	4	_	5	8.2	1.6	4	4.8	1.2	4	4.8	1.2	4	5.1	1.3	4	5.2	1.3	-	1.9%

^{1.} Data has been provided by the department and may not necessarily reconcile with official government personnel data.

Programme 2: Technology Innovation

Programme purpose

Enable research and development in space science and technology, energy security and the bioeconomy, and in the emerging and converging areas of nanotechnology, robotics, photonics and indigenous knowledge systems, to promote the realisation of commercial products, processes and services. Promote the protection and use of intellectual property, technology transfer and technology commercialisation through the implementation of enabling policies and interventions along the entire innovation value chain.

Objectives

- Facilitate and make strategic investments in space science and technology, energy, the bioeconomy, nanotechnology, robotics, photonics, indigenous knowledge systems, intellectual property management, technology transfer and technology commercialisation over the medium term by:
 - funding and/or maintaining 60 instruments to support the use of knowledge
 - generating 366 knowledge products (including published peer-reviewed scientific articles and the filing of applications for, or the registration or granting of, intellectual property rights)
 - developing and approving 14 science, technology and innovation strategic policy directives to enhance understanding and analyses that support the implementation of relevant interventions
 - developing and/or maintaining 12 decision support interventions to improve the delivery of government services or functions.

^{2.} Rand million.

Subprogrammes

- Space Science supports the creation of an environment conducive to the implementation of the national space strategy and the South African Earth observation strategy, and one that addresses the development of innovative applications and human capital to respond to national priorities and support socioeconomic development.
- Hydrogen and Energy supports a reduction in greenhouse gas emissions and air pollution while contributing to a more diverse and sustainable energy mix by enabling the widespread commercialisation of battery, fuel cell, renewable and net-zero carbon technologies. The implementation of the energy research development and innovation strategies also supports the penetration of clean and alternative energy technologies through research, development and validation efforts to be competitive with current technologies in terms of cost and performance. It also encourages the fostering of strategic partnerships between the public and private sectors to reduce institutional and market barriers to the commercialisation of these technologies.
- Bio-innovation leads the implementation of the national bioeconomy strategy approved by Cabinet in 2013.
 This aids projects, programmes and initiatives in support of bio-innovation in agriculture, health, industry, the environment and indigenous knowledge systems with the goal of growing the South African bioeconomy.
- Innovation Priorities and Instruments supports and strengthens the innovation policy package aimed at
 creating and sustaining an enabling environment for innovation, technology and development, and the
 commercialisation of publicly funded research and development initiatives.
- National Intellectual Property Management Office provides for the effective use of intellectual property that emanates from publicly financed research and development.
- Office of the Deputy Director-General: Technology Innovation provides management and administrative support to the programme and the office of the deputy director-general.

Average:

Expenditure trends and estimates

Table 35.8 Technology Innovation expenditure trends and estimates by subprogramme and economic classification

Subprogramme						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Medium	n-term exper	nditure	rate	Total
		dited outco		appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20		2021/22	2022/23	•	- 2022/23	2023/24	2024/25	2025/26		- 2025/26
Space Science	225.2	241.7	286.3	286.0	8.3%	16.6%	986.5	655.0	230.9	-6.9%	24.7%
Hydrogen and Energy	176.9	184.5	184.8	253.4	12.7%	12.8%	198.0	206.8	216.1	-5.2%	10.0%
Bio-innovation	194.9	227.0	237.1	248.9	8.5%	14.5%	210.3	219.8	229.6	-2.6%	10.4%
Innovation Priorities and Instruments	578.1	671.9	953.9	1 058.6	22.3%	52.3%	1 112.4	1 162.4	1 214.4	4.7%	52.0%
National Intellectual Property Management Office	55.2	51.0	53.3	56.3	0.6%	3.5%	56.3	58.8	61.5	3.0%	2.7%
Office of the Deputy Director-General:	6.4	3.6	4.2	3.9	-15.2%	0.3%	4.9	5.1	5.3	10.8%	0.2%
Technology Innovation											
Total	1 236.7	1 379.8	1 719.6	1 907.0	15.5%	100.0%	2 568.4	2 307.9	1 957.8	0.9%	100.0%
Change to 2022				123.0			775.1	434.0	(0.0)		
Budget estimate											
Economic classification											
Current payments	67.4	47.2	52.5	69.2	0.9%	3.8%	75.6	78.9	82.4	6.0%	3.5%
Compensation of employees	43.8	40.3	44.7	48.9	3.7%	2.8%	53.4	55.8	58.2	6.0%	2.5%
Goods and services	23.6	6.9	7.9	20.3	-4.9%	0.9%	22.2	23.2	24.2	6.0%	1.0%
of which:											
Communication	0.9	1.1	1.0	1.1	8.7%	0.1%	1.1	1.2	1.2	3.1%	0.1%
Consultants: Business and advisory services	2.5	3.5	2.2	1.5	-15.6%	0.2%	1.9	2.0	2.1	10.5%	0.1%
Agency and support/outsourced services	0.7	1.5	2.3	5.7	105.9%	0.2%	7.0	7.4	7.7	10.4%	0.3%
Entertainment	0.0	-	0.0	3.6	962.7%	0.1%	1.9	2.0	2.1	-16.4%	0.1%
Travel and subsistence	9.4	0.6	1.5	3.7	-26.6%	0.2%	5.6	5.8	6.1	17.6%	0.2%
Venues and facilities	6.4	0.1	0.7	2.6	-25.7%	0.2%	2.6	2.7	2.9	3.1%	0.1%
Transfers and subsidies	1 169.2	1 332.6	1 667.1	1 837.8	16.3%	96.2%	2 492.8	2 228.9	1 875.3	0.7%	96.5%
Departmental agencies and accounts	767.6	1 045.4	1 224.0	1 299.5	19.2%	69.5%	2 035.6	1 751.2	1 376.2	1.9%	73.9%
Higher education institutions	-	112.0	62.4	-	-	2.8%	-	-	-	_	-
Public corporations and private enterprises	154.4	118.0	349.6	119.8	-8.1%	11.9%	120.2	125.6	131.2	3.1%	5.7%
Non-profit institutions	247.0	57.4	31.1	418.6	19.2%	12.1%	337.0	352.2	367.9	-4.2%	16.9%
Households	0.2	_	0.0	-	-100.0%	-	_	_	_	-	-
Payments for financial assets	0.0	-	-	_	-100.0%	-	-	-	-	-	-
Total	1 236.7	1 379.8	1 719.6	1 907.0	15.5%	100.0%	2 568.4	2 307.9	1 957.8	0.9%	100.0%
Proportion of total programme	15.3%	19.3%	19.2%	20.9%	-	-	23.6%	21.9%	19.4%	_	-
expenditure to vote expenditure											

Details of transfers and subsidies				Adjusted	Average growth rate	Average: Expen- diture/ Total	Mediun	ı-term expe	nditure	Average growth rate	Average: Expen- diture/ Total
		dited outco		appropriation	(%)	(%)		estimate		(%)	(%)
R million Departmental agencies and accounts	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Departmental agencies (non- business entities)											
Current	767.6	996.7	1 142.8	1 299.5	19.2%	67.4%	2 035.6	1 751.2	1 376.2	1.9%	73.9%
Various institutions: Biofuels research	2.0	7.9	9.1	-	-100.0%	0.3%				-	73.370
Various institutions: Technology transfer	2.2	3.6	3.5	_	-100.0%	0.1%	_	_	_	_	_
offices: Support of research units											
Various institutions: Implementation of	31.3	47.1	44.1	-	-100.0%	2.0%	-	-	-	-	-
bioeconomy strategy		47.2	42.2	545		2 20/	44.6	46.6	40.7	2.60/	2.20
Various institutions: Energy grand challenge research	_	47.2	43.3	54.5	_	2.3%	44.6	46.6	48.7	-3.6%	2.2%
Various institutions: Health innovation	49.0	52.7	103.8	_	-100.0%	3.3%	_	_	_	_	_
research											
Various institutions: HIV and AIDS	27.9	29.2	30.2	31.0	3.6%	1.9%	31.1	32.5	34.0	3.1%	1.5%
prevention and treatment technologies											
research Various institutions: Hydrogen strategy		43.8	42.6		_	1.4%			_		
research	_	43.0	42.0	_	_	1.470	_	_	_	_	_
Various institutions: Innovation projects	14.9	125.0	168.9	468.3	215.8%	12.4%	521.4	544.8	569.2	6.7%	24.1%
research											
Various institutions: Space science	54.4	36.2	42.4	111.1	26.9%	3.9%	33.4	34.9	36.5	-31.0%	2.5%
research: Economic competitiveness and											
support package National Research Foundation: Research	1.6	0.5	5.0	13.8	103.9%	0.3%	6.8	7.1	7.4	-18.6%	0.4%
and development in indigenous knowledge	1.0	0.5	5.0	13.6	103.9%	0.5%	0.8	7.1	7.4	-18.0%	0.4%
systems											
Technology Innovation Agency	440.9	408.8	447.7	458.4	1.3%	28.1%	460.1	480.8	502.3	3.1%	21.8%
South African National Space Agency	143.5	161.2	202.2	162.4	4.2%	10.7%	163.1	170.4	178.0	3.1%	7.7%
Medical Research Council: Social impact	_	33.4	-	_	_	0.5%	-	-	-	_	-
bond							775.0	434.0		_	12.00/
Various institutions: Space science research: Space Infrastructure Hub	_	_	_	_	_	_	775.0	434.0	_	_	13.8%
Capital	_	48.7	81.2	_	_	2.1%	_	_	_	_	_
Various institutions: Hydrogen strategy	_	48.7	81.2	-	_	2.1%	_	_	_	_	_
(capital)											
Public corporations and private enterprises	i										
Public corporations											
Other transfers to public corporations Current	147.3	113.5	207.1	119.8	-6.7%	9.4%	120.2	125.6	131.2	3.1%	5.7%
Various institutions: Technology transfer	8.4	5.1	7.7	-	-100.0%	0.3%		-	-	-	-
offices: Support of research units											
Various institutions: Implementation of	7.1	1.0	6.0	-	-100.0%	0.2%	-	-	-	-	-
bioeconomy strategy	2.6				100.00/	0.10/					
Various institutions: Energy grand challenge research	3.6	_	_	_	-100.0%	0.1%	_	_	_	_	_
Various institutions: Health innovation	_	_	2.3	_	_	_	_	_	_	_	_
research											
Various institutions: Hydrogen strategy	25.9	-	-	_	-100.0%	0.4%	-	-	-	-	-
research					400.00/	2.20/					
Various institutions: Hydrogen strategy	13.1	-	-	-	-100.0%	0.2%	-	-	-	_	_
(capital) Various institutions: Innovation projects	0.5	3.4	77.3	_	-100.0%	1.3%	_	_	_	_	
research	0.3	J. 4	77.3	_	100.070	1.370	_	_	_		
Various institutions: Space science	5.0	22.6	29.1	-	-100.0%	0.9%	-	_	-	_	_
research: Economic competitiveness and											
support package											
National Research Foundation: Research	3.2	1.0	-	_	-100.0%	0.1%	-	-	-	_	-
and development in indigenous knowledge systems											
Various institutions: Emerging research	80.7	80.5	84.7	119.8	14.1%	5.9%	120.2	125.6	131.2	3.1%	5.7%
areas	L										
Public corporations and private enterprises											
Private enterprises											
Other transfers to private enterprises	7.4	4.4	1/1 5		-100.09/	2 50/					
Current Various institutions: Technology transfer	7.1 2.6	4.4 4.4	141.5		-100.0% -100.0%	2.5% 0.1%				_	_
offices: Support of research units	2.0	4.4	_	_	100.076	0.170	_	_	_	_	
Various institutions: Implementation of	1.1	_	_	_	-100.0%	_	_	_	_	_	_
bioeconomy strategy	1										
Various institutions: Health innovation	2.2	-	1.5	_	-100.0%	0.1%	-	-	-	-	-
research											
Various institutions: Innovation projects	_	-	140.0	-	_	2.2%	-	-	-	_	-
research National Research Foundation: Research	1.2	_	_	_	-100.0%	_	_	_	_	_	
and development in indigenous knowledge	1.2				200.070						

Table 35.8 Technology Innovation expenditure trends and estimates by subprogramme and economic classification (continued)

Table 35.8 Technology Innovation	expend	iture trer	nds and e	estimates by	subprog	ramme a	na econo	mic classi	fication	continu	ed)
Details of transfers and subsidies						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/		_		growth	diture/
				Adjusted	rate	Total	Mediun	n-term exper	nditure	rate	Total
B - 101		dited outco		appropriation	(%)	(%)	2022/24	estimate	2025/20	(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Non-profit institutions	405.3	F7.4	24.4	224 5	21.8%	0.70/	240.2	200.4	272.4	C 70/	43.00/
Current	185.2	57.4	31.1	334.5		9.7%	249.2	260.4	272.1	-6.7%	12.8%
Various institutions: Biofuels research	5.6 2.2	- 7.9	_	9.4 39.3	18.4% 161.5%	0.2% 0.8%	9.4 44.7	9.8 46.7	10.3 48.8	3.1% 7.4%	0.4% 2.1%
Various institutions: Implementation of the	2.2	7.9	_	39.3	101.5%	0.8%	44.7	40.7	40.0	7.4%	2.1%
bioeconomy strategy Various institutions: Energy grand	37.4		_		-100.0%	0.6%					
challenge research	37.4	_	_	_	-100.0%	0.0%	_	_	_	_	_
Various institutions: Health innovation	0.1	_	_	95.0	1138.5%	1.5%	55.2	57.7	60.3	-14.1%	3.1%
research	0.1	_	_	95.0	1138.376	1.5/6	33.2	37.7	00.3	-14.170	3.170
Various institutions: Hydrogen strategy	16.6	-	-	93.6	78.1%	1.8%	43.8	45.8	47.8	-20.1%	2.6%
research											
Various institutions: Innovation projects	4.1	31.9	5.0	_	-100.0%	0.7%	-	-	-	_	-
research											
International Centre for Genetic	40.8	15.0	26.1	18.0	-23.9%	1.6%	16.6	17.4	18.2	0.3%	0.8%
Engineering and Biotechnology											
Various institutions: Space science	10.0	-	-	_	-100.0%	0.2%	_	-	-	-	-
research: Economic competitiveness and											
support package											
Various institutions: Technology transfer	27.4	1.6	-	44.1	17.2%	1.2%	44.2	46.2	48.3	3.1%	2.1%
offices: Support for research units											
National Research Foundation: Research	9.1	0.9	-	_	-100.0%	0.2%	-	-	-	_	_
and development in indigenous knowledge											
systems Madical Passarch Council Social impact			_	35.1		0.6%	35.3	36.8	38.5	3.1%	1.7%
Medical Research Council: Social impact bond	_	_	_	35.1	_	0.6%	33.3	30.8	36.3	3.1%	1.7%
Various institutions: Emerging research	31.9	_	_	_	-100.0%	0.5%	_	_	_	_	_
areas	31.3				100.070	0.570					
Capital	61.9	_	_	84.1	10.8%	2.3%	87.8	91.8	95.9	4.5%	4.1%
Various institutions: Hydrogen strategy	61.9	_	_	84.1	10.8%	2.3%	87.8	91.8	95.9	4.5%	4.1%
(capital)	02.5			02	20.070	2.070	07.0	31.0	55.5		
Higher education institutions											
Current	_	90.8	61.9	_	_	2.4%	_	_	_	_	_
Various institutions: Technology transfer	_	27.4	33.8	-	_	1.0%	_	_	_	_	_
offices: Support of research units											
Various institutions: Hydrogen strategy	_	8.0	_	_	_	0.1%	_	_	_	_	_
research											
Various institutions: Space science	_	13.7	2.2	_	_	0.3%	-	-	-	_	-
research: Economic competitiveness and											
support package											
National Research Foundation: Research	-	23.6	1.6	_	-	0.4%	-	-	-	-	-
and development in indigenous knowledge											
systems											
Various institutions: Emerging research	-	18.1	24.2	_	-	0.7%	-	-	-	-	-
areas											
Capital	_	20.6	-	_	-	0.3%	-	-	-	-	-
Various institutions: Hydrogen strategy	-	20.6	-	_	_	0.3%	-	-	-	_	-
(capital)											

Personnel information

Table 35.9 Technology Innovation personnel numbers and cost by salary level¹

	Numbe	r of posts																	Average:
	estima	ited for																Average	Salary
	31 Mar	ch 2023			Nur	mber and co	ost ² of p	erson	nel posts fil	led/pla	nned f	or on funde	d estab	lishme	ent			growth	level/
		Number																rate	Total
		of posts	Actu	ıal		Revise	d estim	ate			Medi	um-term ex	penditu	ıre est	imate			(%)	(%)
	Number	additional																	
	of	to the																	
	funded	establish-																	
	posts ment 2021/22					20	22/23		20	23/24		20	24/25		20	25/26		2022/23	- 2025/26
					Unit			Unit			Unit			Unit			Unit		
Technology In					cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary level	62	-	46	44.7	1.0	48	48.9	1.0	51	53.4	1.0	49	55.8	1.1	51	58.2	1.1	2.0%	100.0%
1-6	6	-	5	1.3	0.3	6	1.7	0.3	5	1.3	0.3	5	1.4	0.3	5	1.5	0.3	-5.9%	10.6%
7 – 10	9	-	5	2.0	0.4	3	1.2	0.4	2	0.8	0.4	0)	(0.1)	0.4	1	0.4	0.4	-33.9%	2.9%
11 – 12	25	-	18	17.4	1.0	21	21.3	1.0	25	25.3	1.0	25	26.8	1.1	26	28.3	1.1	7.4%	48.8%
13 – 16	22	-	18	23.9	1.3	18	24.7	1.4	19	26.0	1.4	19	27.6	1.5	19	28.1	1.5	1.8%	37.7%

 $^{1. \} Data\ has\ been\ provided\ by\ the\ department\ and\ may\ not\ necessarily\ reconcile\ with\ official\ government\ personnel\ data.$

^{2.} Rand million.

Programme 3: International Cooperation and Resources

Programme purpose

Strategically develop, promote and manage international partnerships that strengthen the national system of innovation. Enable an exchange of knowledge, capacity and resources between South Africa and its international partners, with a focus on building capacity to support science, technology and innovation in Africa. Support South African foreign policy through science diplomacy.

Objectives

- Maximise South Africa's strategic interests in science, technology and innovation through international cooperation and promote a transformed, inclusive, responsive and coherent national system of innovation by leveraging resources through 129 projects with donor funders by March 2025.
- Develop human capabilities and skills for the economy by securing opportunities for 1 270 South African students to participate in international programmes over the medium term.
- Use knowledge for economic development in revitalising existing industries and stimulating research and development-led industrials by supporting 51 initiatives targeting the objectives of Agenda 63 and 51 initiatives focused on the Southern African Development Community's regional indicative strategic development plan by March 2025.
- Support innovation within a capable state by engaging with 36 science, technology and innovation leaders in multilateral forums by March 2025.

Subprogrammes

- Multilateral Cooperation and Africa advances and facilitates South Africa's participation in bilateral science, technology and innovation cooperation initiatives with other African partners; in African multilateral programmes, especially those of the Southern African Development Community and the African Union; and in broader multilateral science, technology and innovation partnerships, with a strategic focus on South-South cooperation.
- International Resources works to increase the flow of international funding into South African science, technology and innovation initiatives, as well as African regional and continental programmes, to promote foreign investment and the fostering of strategic partnerships with partners such as the European Union, philanthropic foundations and organisations, and the multinational private sector.
- Overseas Bilateral Cooperation promotes and facilitates South Africa's bilateral cooperation on science, technology and innovation cooperation with partners in Europe, the Americas, Asia and Australasia, especially for human capital development and collaborative research and innovation; and secures support for cooperation with other African partners.
- Office of the Deputy Director-General: International Cooperation and Resources provides management and administrative support to the programme and the office of the deputy director-general.

Expenditure trends and estimates

Table 35.10 International Cooperation and Resources expenditure trends and estimates by subprogramme and economic classification

Subprogramme				Adjusted	Average growth rate	Average: Expen- diture/ Total	Medium	n-term expen	diture	Average growth rate	Average: Expen- diture/ Total
	Auc	lited outcom	e	appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	2025/26
Multilateral Cooperation and Africa	30.5	26.4	28.5	33.4	3.0%	22.3%	33.1	34.6	36.1	2.7%	22.1%
International Resources	61.5	57.7	65.0	69.0	3.9%	47.6%	68.9	72.0	75.2	2.9%	46.0%
Overseas Bilateral Cooperation	37.4	24.4	32.4	44.3	5.8%	26.0%	42.7	44.6	46.6	1.7%	28.8%
Office of the Deputy Director-	6.7	5.8	5.9	2.8	-25.2%	4.0%	5.1	5.4	5.6	26.2%	3.1%
General: International Cooperation											
and Resources											
Total	136.0	114.2	131.8	149.4	3.2%	100.0%	149.9	156.6	163.5	3.1%	100.0%
Change to 2022				(0.5)			0.4	0.4	0.4		
Budget estimate											

Table 35.10 International Cooperation and Resources expenditure trends and estimates by subprogramme and economic classification (continued)

Economic classification				Adjusted	Average growth rate	Average: Expen- diture/ Total	Mediun	n-term expen	nditure	Average growth rate	Average: Expen- diture/ Total
-		ted outcome		appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23		- 2022/23	2023/24	2024/25	2025/26		- 2025/26
Current payments	68.1	51.9	57.0	73.0	2.3%	47.0%	73.2	76.4	79.8	3.0%	48.8%
Compensation of employees Goods and services	48.4 19.8	47.3 4.6	48.3 8.6	53.6	3.5% -0.7%	37.2% 9.9%	55.1 18.1	57.5 18.9	60.0 19.8	3.9% 0.6%	36.5%
of which:	19.0	4.0	0.0	19.4	-0.776	3.370	10.1	10.9	15.0	0.0%	12.3%
Communication	1.1	1.9	1.6	1.7	16.6%	1.2%	1.7	1.8	1.9	3.1%	1.2%
Agency and support/outsourced	0.1	_	0.0	0.8	95.1%	0.2%	0.8	0.8	0.9	3.1%	0.5%
services						0.2,1				5.2.0	0.075
Entertainment	0.2	0.0	0.0	0.9	77.2%	0.2%	0.9	1.0	1.0	3.1%	0.6%
Travel and subsistence	8.3	1.3	1.9	7.5	-3.5%	3.6%	7.5	7.8	8.2	3.1%	5.0%
Operating payments	2.7	0.5	4.3	1.4	-20.1%	1.7%	0.7	0.7	0.8	-17.8%	0.6%
Venues and facilities	6.5	0.1	0.3	4.2	-13.4%	2.1%	3.5	3.7	3.8	-2.8%	2.5%
Transfers and subsidies	67.9	62.2	74.8	76.4	4.0%	52.9%	76.7	80.2	83.8	3.1%	51.2%
Departmental agencies and accounts	34.2	35.3	42.0	17.1	-20.6%	24.2%	17.1	17.9	18.7	3.1%	11.4%
Higher education institutions	_	11.3	12.4	_	-	4.5%	-	-	-	-	-
Foreign governments and	_	_	2.0	_	-	0.4%	-	_	-	-	_
international organisations					400.00/						
Public corporations and private	8.7	6.4	7.2	_	-100.0%	4.2%	_	_	-	_	_
enterprises	24.0	0.1	10.0	FO 4	22.70/	10.69/	F0.6	62.2	65.0	2 10/	20.00/
Non-profit institutions Households	24.8 0.2	9.1 0.1	10.9 0.3	59.4	33.7% -100.0%	19.6% 0.1%	59.6	62.3	65.0 —	3.1%	39.8%
Payments for financial assets	0.2	0.1	U.3 -	_	100.0%	0.170				_	_
Total	136.0	114.2	131.8	149.4	3.2%	100.0%	149.9	156.6	163.5	3.1%	100.0%
Proportion of total programme	1.7%	1.6%	1.5%	1.6%	J.2/0 _		1.4%	1.5%	1.6%	J.1/0 —	
expenditure to vote expenditure	1.770	1.070	1.570	1.070			1.470	1.570	1.0/0		
Details of transfers and subsidies											
Departmental agencies and accounts											
Departmental agencies (non-											
business entities)											
Current	34.2	35.3	42.0	17.1	-20.6%	24.2%	17.1	17.9	18.7	3.1%	11.4%
National Research Foundation:	15.9	2.6	14.7	17.1	2.5%	9.4%	17.1	17.9	18.7	3.1%	11.4%
Bilateral cooperation for global											
science development	40.0					40.00/					
Various institutions: Global science:	18.3	25.9	26.0	_	-100.0%	13.2%	-	-	-	_	_
International multilateral agreements		6.0	1.2			1 50/					
Various institutions: Global science: African multilateral agreements	_	6.8	1.3	_	_	1.5%	_	_	-	_	_
Foreign governments and											
international organisations											
Current	_	_	2.0	_	_	0.4%	_	_	_	_	_
National Research Foundation:		_	2.0	_	_	0.4%	_	_	_	_	_
Bilateral cooperation for global			2.0			0.470					
science development											
Public corporations and private enterp	rises										
Public corporations											
Other transfers to public corporations	0.0	2.2			100.00/	2 20/					
Current Various institutions: Global science:	8.0 3.6	3.2 0.4	6.4 2.4	_	-100.0% -100.0%	3.3% 1.2%				_	_
Various institutions: Global science: International multilateral agreements	3.0	0.4	2.4	_	-100.0%	1.270	_	_	_		_
Various institutions: Global science:	4.4	2.8	4.0	_	-100.0%	2.1%	_	_	_	_	_
African multilateral agreements	7.4	2.0	4.0	_	100.070	2.1/0	_	_	_		
Public corporations and private enterp	rises										
Private enterprises											
Other transfers to private enterprises											
Current	0.7	3.3	0.7		-100.0%	0.9%				-	_
Various institutions: Global science:	0.7	3.3	0.7	_	-100.0%	0.9%	_	_	-	-	-
International multilateral agreements											
Non-profit institutions		-	-						-		
Current	24.8	9.1	10.9	59.4	33.7%	19.6%	59.6	62.3	65.0	3.1%	39.8%
National Research Foundation:	-	3.8	_	_	-	0.7%	-	-	-	-	-
Bilateral cooperation for global											
science development	24.2	- 4	7.0	40.5	24.004	45 40/	40.0	F4 0	F2 2	2.401	22.50
Various institutions: Global science:	21.2	5.1	7.0	48.6	31.9%	15.4%	48.8	51.0	53.2	3.1%	32.5%
International multilateral agreements	2 7	0.2	2.0	10.0	42.407	2.50/	10.0	11.3	11.0	2 40/	7.204
Various institutions: Global science: African multilateral agreements	3.7	0.2	3.9	10.8	43.4%	3.5%	10.8	11.3	11.8	3.1%	7.2%
Higher education institutions											
Current	_	11.3	12.4	_	_	4.5%	_	_	_	_	_
National Research Foundation:		4.3	12.4	_	_	0.8%					
Bilateral cooperation for global	=	٠.٦	_	_		0.070	_	_	_		
science development											
Various institutions: Global science:	_	6.4	11.1	_	_	3.3%	_	_	_	_	_
International multilateral agreements		0.4	11.1			3.370					
Various institutions: Global science:	_	0.6	1.3	_	_	0.4%	_	_	_	_	_
		-	-	i .							

Personnel information

Table 35.11 International Cooperation and Resources personnel numbers and cost by salary level¹

		r of posts																	Average:
	estima	ated for																Average	Salary
	31 Mar	ch 2023			Nur	mber and co	ost ² of p	erson	nel posts fil	led/pla	nned f	or on funde	d estab	olishme	ent			growth	level/
		Number																rate	Total
		of posts	Ac	tual		Revise	d estim	nate			Medi	um-term ex	penditu	ıre est	imate			(%)	(%)
	Number	additional																	
	of	to the																	
	funded	establish-																	
	posts	ment	20	021/22		20	22/23		20	23/24		20	24/25		20	25/26		2022/23	- 2025/26
International				Unit			Unit			Unit			Unit			Unit			
Resources			Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary level	69	-	49	48.3	1.0	49	53.6	1.1	52	55.1	1.1	50	57.5	1.1	53	60.0	1.1	2.7%	100.0%
1-6	4	-	4	1.5	0.4	2	0.8	0.4	3	1.1	0.4	2	0.8	0.4	3	1.2	0.4	14.5%	4.9%
7 – 10	26	-	20	10.9	0.5	20	11.5	0.6	22	12.5	0.6	21	12.7	0.6	23	14.1	0.6	4.8%	42.1%
11 – 12	19	-	13	16.5	1.3	12	16.0	1.3	12	16.0	1.3	12	16.9	1.4	12	17.2	1.4	-	23.6%
13 – 16	20	_	12	19.4	1.6	15	25.4	1.7	15	25.5	1.7	15	27.0	1.8	15	27.4	1.8	-	29.4%

^{1.} Data has been provided by the department and may not necessarily reconcile with official government personnel data.

Programme 4: Research Development and Support

Programme purpose

Provide an enabling environment for research and knowledge production that promotes the strategic development of basic sciences and priority science areas through the promotion of science human capital development, and the provision of research infrastructure and relevant research support, in pursuit of South Africa's transition to a knowledge economy.

Objectives

- Contribute to the development of representative, high-level human capital that can pursue locally relevant, globally competitive research and innovation activities over the medium term by:
 - awarding 9 600 bursaries to doctoral students
 - awarding 12 000 bursaries to pipeline postgraduate (BTech, honours and masters) students.
 - placing 2 250 graduates and students in department-funded work preparation programmes in science, engineering and technology institutions.
- Contribute to a transformed, inclusive, responsive and coherent national system of innovation by:
 - maintaining the number of research infrastructure grants at 30 over the medium term
 - increasing the total available broadband capacity provided by the South African National Research Network from 6 500 Gbps in 2023/24 to 7 100 Gbps in 2025/26.
- Increase knowledge generation and innovation output by:
 - maintaining the total number of researchers awarded grants through programmes managed by the
 National Research Foundation at more than 10 500 over the medium term
 - maintaining the number of research articles published by researchers funded by the National Research
 Foundation and cited in the Web of Science database at more than 23 400 over the medium term
 - completing the production of the L-band receivers for the additional MeerKAT antennae by 2023/24 and installing the receivers by 2024/25
 - installing 4 MeerKAT extension antennae by 2023/24 and 9 MeerKAT extension antennae by 2024/25, and fully commissioning and integrating 13 MeerKAT antennae with the 64-dish MeerKAT telescope by 2025/26
 - conducting 45 initiatives promoting public awareness of and engagement with science over the medium term
 - publishing the South African public relationship with science survey report by 2023/24 and conducting a country comparison study by 2025/26.

² Rand million

Subprogrammes

- Human Capital and Science Promotions formulates and implements policies and strategies that address the availability of human capital for science, technology and innovation; provides fundamental support for research activities; and contributes to the development of a society that is scientifically literate and knowledgeable about science.
- Science Missions promotes the development of research, the production of scientific knowledge and human capital in science areas in which South Africa enjoys a geographic advantage.
- Basic Science and Infrastructure facilitates the strategic implementation of research and innovation equipment and facilities to promote knowledge production in areas of national priority and sustain innovation led by research and development.
- Astronomy supports the development of astronomical sciences around a new multi-wavelength astronomy strategy and provides strategic guidance and support to relevant astronomy institutions for the implementation of strategic astronomy programmes.
- Office of the Deputy Director-General: Research, Development and Support provides management and administrative support to the programme and the office of the deputy director-general.

Expenditure trends and estimates

Table 35.12 Research, Development and Support expenditure trends and estimates by subprogramme and economic classification

Table 35.12 Research, Develo	pment and	Support ex	penditu	re trends and	estima		bprogram	ime and e	conomic	classific	cation
Subprogramme						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Adjusted	rate	Total	Medium	ı-term exper	nditure	rate	Total
<u></u>		lited outcome		appropriation	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Human Capital and Science	2 629.8	2 305.8	2 710.7	2 756.2	1.6%	56.9%	2 780.4	2 905.0	3 034.8	3.3%	50.9%
Promotions											
Science Missions	239.2	215.7	186.7	112.6	-22.2%	4.1%	257.0	268.7	280.8	35.6%	4.1%
Basic Science and Infrastructure	978.7	687.2	1 042.0	958.8	-0.7%	20.1%	1 241.5	1 297.1	1 355.4	12.2%	21.5%
Astronomy	728.4	520.2	1 050.0	1 147.4	16.4%	18.9%	1 763.1	1 379.5	1 005.0	-4.3%	23.5%
Office of the Deputy Director-	2.3	2.1	2.1	4.1	21.2%	0.1%	4.1	4.3	4.4	2.5%	0.1%
General: Research, Development											
and Support											
Total	4 578.4	3 731.0	4 991.4	4 979.2	2.8%	100.0%	6 046.0	5 854.5	5 680.5	4.5%	100.0%
Change to 2022				(125.9)			842.6	417.7	0.1		
Budget estimate											
Economic classification											
Current payments	52.7	42.9	47.4	56.1	2.1%	1.1%	55.9	58.4	60.9	2.8%	1.0%
Compensation of employees	39.9	40.6	42.6	40.8	0.7%	0.9%	40.2	42.0	43.8	2.4%	0.7%
Goods and services	12.8	2.3	4.8	15.4	6.4%	0.2%	15.7	16.4	17.1	3.7%	0.3%
of which:											
Administrative fees	0.4	0.0	0.0	0.7	17.7%	-	0.7	0.7	0.8	3.1%	_
Communication	0.7	0.5	0.9	0.8	7.9%	-	0.8	0.9	0.9	3.1%	_
Consultants: Business and advisory	0.7	0.6	1.5	1.4	26.9%	-	1.4	1.4	1.5	3.1%	_
services											
Agency and support/outsourced	0.3	0.0	0.2	1.1	57.2%	-	1.1	1.1	1.2	3.1%	_
services											
Travel and subsistence	8.3	0.7	1.6	7.0	-5.3%	0.1%	7.6	8.0	8.5	6.5%	0.1%
Venues and facilities	1.0	0.1	0.1	2.4	32.3%	-	2.1	2.2	2.2	-3.8%	-
Transfers and subsidies	4 525.7	3 688.0	4 944.1	4 923.0	2.8%	98.9%	5 990.1	5 796.2	5 619.5	4.5%	99.0%
Departmental agencies and	3 869.5	3 202.4	4 227.0	4 711.6	6.8%	87.6%	5 695.9	5 488.8	5 298.4	4.0%	93.9%
accounts											
Higher education institutions	_	120.3	154.5	_	-	1.5%	-	_	-	_	_
Public corporations and private	454.4	206.7	402.2	211.4	-22.5%	7.0%	294.2	307.4	321.2	15.0%	5.0%
enterprises											
Non-profit institutions	200.4	158.5	160.3	_	-100.0%	2.8%	-	-	-	-	_
Households	1.4	0.2	0.1	_	-100.0%	_	ı	_	-	-	_
Payments for financial assets	0.0	0.0	-	_	-100.0%	-	•	-	-	-	-
Total	4 578.4	3 731.0	4 991.4	4 979.2	2.8%	100.0%	6 046.0	5 854.5	5 680.5	4.5%	100.0%
Proportion of total programme	56.7%	52.1%	55.7%	54.4%	_	-	55.6%	55.6%	56.2%	_	_
expenditure to vote expenditure											

Table 35.12 Research, Development and Support expenditure trends and estimates by subprogramme and economic classification (continued)

(continued)											
Details of transfers and subsidies					Average	Average: Expen-				Average	Average: Expen-
					Average growth	diture/				growth	diture/
				Adjusted	rate	Total	Medium	ı-term expei	nditure	rate	Total
R million	Aud 2019/20	lited outcome 2020/21	2021/22	appropriation 2022/23	(%)	(%) - 2022/23	2023/24	estimate 2024/25	2025/26	(%)	(%) - 2025/26
Households	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/20	2022/23	- 2025/20
Other transfers to households											
Current	1.1	-	-	_	-100.0%	-	-	-	-	-	-
National Research Foundation:	1.1	-	-	-	-100.0%	-	-	-	-	-	-
Human resources development for											
science and engineering Departmental agencies and accounts											
Departmental agencies (non-	•										
business entities)											
Current	2 774.5	2 471.0	2 787.8	2 916.7	1.7%	59.9%	3 087.0	3 225.5	3 370.0	4.9%	55.8%
Academy of Science of South Africa	27.0	24.8	33.2	33.8	7.8%	0.7%	34.0	35.5	37.1	3.1%	0.6%
Various institutions: Astronomy	32.8	32.5	20.7	41.7	8.4%	0.7%	41.9	43.8	45.7	3.1%	0.8%
research and development Various institutions: Policy	27.1	28.3	35.3	37.9	11.9%	0.7%	38.1	39.8	41.6	3.1%	0.7%
development on human and social	27.1	20.3	33.3	37.5	11.570	0.770	30.1	33.0	41.0	3.170	0.770
development dynamics											
National Research Foundation:	922.3	762.3	954.0	1 005.7	2.9%	19.9%	1 010.7	1 056.1	1 103.4	3.1%	18.5%
Human resources development for											
science and engineering		22.1		10.1		0.20/	10.2	20.0	20.0	2 10/	0.40/
National Research Foundation: Human resources development for	_	23.1	_	19.1	_	0.2%	19.2	20.0	20.9	3.1%	0.4%
science and engineering: Economic											
competitiveness and support											
package											
National Research Foundation	943.4	859.5	962.6	997.4	1.9%	20.6%	1 001.3	1 046.1	1 092.9	3.1%	18.3%
Various institutions: Science awareness, research and initiatives	64.3	30.0	57.9	80.8	7.9%	1.3%	94.4	98.7	103.1	8.5%	1.7%
to encourage youth participation in											
science											
National Research Foundation:	566.3	544.5	588.6	602.9	2.1%	12.6%	605.2	632.4	660.7	3.1%	11.1%
South African research chairs											
initiative to develop human											
resources in science Various institutions: Strategic	191.3	166.2	135.6	97.3	-20.2%	3.2%	242.3	253.1	264.5	39.5%	3.8%
science platforms for research and	191.3	100.2	133.0	37.3	-20.270	3.270	242.3	255.1	204.5	39.370	3.676
development											
Capital	1 095.0	731.4	1 439.2	1 794.9	17.9%	27.7%	2 608.9	2 263.3	1 928.4	2.4%	38.1%
Various institutions: Infrastructure	408.0	253.7	421.0	699.7	19.7%	9.8%	899.6	940.0	982.1	12.0%	15.6%
projects for research and											
development National Research Foundation:	687.0	477.7	1 018.2	1 095.2	16.8%	17.9%	1 709.3	1 323.3	946.3	-4.8%	22.5%
Square Kilometre Array: Capital	007.0	4//./	1 010.2	1 033.2	10.070	17.570	1705.5	1 323.3	340.3	4.070	22.570
contribution to research											
Public corporations and private ente	rprises										
Public corporations	_										
Other transfers to public corporation Current	rs 78.1	62.1	87.1	_	-100.0%	1.2%	_	_	_	_	
National Research Foundation:	41.2	42.0	32.1	_	-100.0%	0.6%	_	_	_	_	_
Human resources development for		.2.0	52.1			3.073					
science and engineering											
National Research Foundation:	22.0	-	18.6	_	-100.0%	0.2%	-	-	-	-	-
Human resources development for											
science and engineering: Economic competitiveness and support											
package											
Various institutions: Science	_	-	18.7	_	-	0.1%	-	-	-	-	-
awareness, research and initiatives											
to encourage youth participation in											
science	110	20.1	17.0		100.00/	0.20/					
Various institutions: Strategic science platforms for research and	14.9	20.1	17.6	_	-100.0%	0.3%	_	_	_	_	-
development											
Capital	376.3	142.6	315.1	211.4	-17.5%	5.7%	294.2	307.4	321.2	15.0%	5.0%
Council for Scientific and Industrial	251.7	60.2	237.1	211.4	-5.6%	4.2%	294.2	307.4	321.2	15.0%	5.0%
Research: Cyberinfrastructure											
research and development					400						
Various institutions: Infrastructure	124.6	82.3	78.0	_	-100.0%	1.6%	-	-	-	_	-
projects for research and development											
acveropinent				<u> </u>							

Table 35.12 Research, Development and Support expenditure trends and estimates by subprogramme and economic classification (continued)

(continued)											
Details of transfers and subsidies	Auc	lited outcome		Adjusted appropriation	Average growth rate (%)	Average: Expen- diture/ Total (%)	Mediun	n-term exper estimate	nditure	Average growth rate (%)	Average Expen- diture, Tota (%
R million	2019/20	2020/21	2021/22	2022/23		- 2022/23	2023/24	2024/25	2025/26		- 2025/26
Public corporations and private enter	prises										
Private enterprises	,										
Other transfers to private enterprises											
Current	_	2.0	_	_	_	_	_	_	_	_	_
Various institutions: Strategic	_	2.0	_	_	_	_	_	_	_	_	_
science platforms for research and											
development											
Non-profit institutions											
Current	45.6	9.4	18.0	_	-100.0%	0.4%	_	_	_	_	_
Various institutions: Astronomy	_	5.0	5.0	_	_	0.1%	_	_	_	_	-
research and development											
Various institutions: Policy	1.5	1.6	1.7	_	-100.0%	_	_	_	_	_	_
development on human and social											
development dynamics											
National Research Foundation:	11.2	1.8	10.0	_	-100.0%	0.1%	_	_	_	_	-
Human resources development for											
science and engineering											
Various institutions: Science	17.0	_	0.8	-	-100.0%	0.1%	_	_	-	-	-
awareness, research and initiatives											
to encourage youth participation in											
science											
Various institutions: Strategic	15.9	1.0	0.6	-	-100.0%	0.1%	-	-	-	-	-
science platforms for research and											
development											
Capital	154.8	149.1	142.3	-	-100.0%	2.4%	-	-	-	-	-
Various institutions: Infrastructure	154.8	149.1	142.3	-	-100.0%	2.4%	-	-	-	-	-
projects for research and											
development											
Higher education institutions											
Current	-	19.8	37.5	-	-	0.3%	-	-	_	_	-
Various institutions: Policy	_	2.1	-	-	-	-	-	-	-	-	-
development on human and social											
development dynamics											
National Research Foundation:	_	2.0	6.8	_	_	_	-	-	-	_	-
Human resources development for											
science and engineering		3.5	12.4		_	0.10/					
Various institutions: Science	_	3.5	13.1	_	_	0.1%	_	_	_	_	-
awareness, research and initiatives to encourage youth participation in											
science											
Various institutions: Strategic	_	12.2	17.6	_	_	0.2%	_	_	_	_	_
science platforms for research and	_	14.4	17.0			0.270	_	_	_		
development											
Capital	_	100.4	117.0	_	_	1.2%	_	_	_	_	_
Various institutions: Infrastructure	_	100.4	117.0	_	_	1.2%	_	_	_	_	_
projects for research and		100.4	117.0			1.270					
development											

Personnel information

Table 35.13 Research, Development and Support personnel numbers and cost by salary level¹

	Number	of posts																	Average:
	estima	ted for																Average	Salary
	31 Mar	ch 2023			Nur	nber and co	ost ² of p	erson	nel posts fil	led/pla	nned f	or on funde	d estab	lishme	ent			growth	level/
		Number																rate	Total
		of posts	Actu	ıal		Revise	d estim	ate			Medi	um-term ex	penditu	ıre est	imate			(%)	(%)
	Number	additional																	
	of	to the																	
	funded	establish-																	
	posts	ment	20	021/22		20	22/23		20	23/24		20	24/25		20	25/26		2022/23	- 2025/26
Research, Dev	elopment a	nd			Unit			Unit			Unit			Unit			Unit		
Support			Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary level	55	-	45	42.6	0.9	41	40.8	1.0	39	40.2	1.0	38	42.0	1.1	41	43.8	1.1	0.2%	100.0%
1-6	4	-	4	1.1	0.3	2	0.6	0.3	0	0.1	0.3	0	0.1	0.3	0	0.1	0.3	-41.9%	2.0%
7 – 10	10	_	7	2.7	0.4	7	3.0	0.4	7	3.0	0.4	6	2.5	0.4	9	3.7	0.4	8.3%	18.0%
11 – 12	24	-	19	17.2	0.9	20	18.8	0.9	20	18.7	0.9	20	19.8	1.0	20	20.1	1.0	-	50.0%
13 – 16	17	-	15	21.6	1.4	12	18.4	1.5	12	18.5	1.5	12	19.6	1.6	12	19.9	1.7	-	30.0%

^{1.} Data has been provided by the department and may not necessarily reconcile with official government personnel data.
2. Rand million.

Programme 5: Socioeconomic Innovation Partnerships

Programme purpose

Enhance government's growth and development priority areas through targeted science and technology-based innovation interventions, and the development of strategic partnerships with other government departments, industry, research institutions and communities.

Objectives

- Inform and influence how science and technology can be used to achieve inclusive development through knowledge, evidence and learning over the medium term by:
 - publishing 30 knowledge products on innovation for inclusive development
 - maintaining and improving 14 decision support systems
 - generating 46 learning interventions.
- Identify, grow and sustain niche, high-potential science, technology and innovation capabilities for sustainable development and the greening of society and the economy by fully funding and co-funding 384 honours, masters and doctoral students, and adding 30 knowledge and innovation products to the intellectual property portfolio over the medium term.
- Identify, grow and sustain niche, high-potential science, technology and innovation capabilities that improve the competitiveness of existing industries with growth potential in aerospace, advanced manufacturing, chemicals, advanced metals, mining, ICT and sector innovation funds; and facilitate the development of new targeted industries led by research and development over the medium term by:
 - fully funding or co-funding 1 465 masters and doctoral students, and 600 interns
 - adding 145 knowledge and innovation products to South Africa's intellectual property portfolio
 - funding 15 instruments in support of increased localisation, competitiveness and industrial development led by research and development.
- Introduce and manage interventions and incentive programmes that increase the level of private-sector investment in scientific or technological research and development by providing pre-approval decisions within 90 days of the date of receipt of applications for the research and development tax incentive on an ongoing basis.

Subprogrammes

- Sector Innovation and Green Economy provides policy, strategy and direction for growth in strategic sectors of the economy led by research and development, and supports the transition to a green economy.
- Innovation for Inclusive Development supports the development of science and technology-based innovations for tackling poverty, including the creation of sustainable jobs and human settlements and the enhanced delivery of basic services.
- Science and Technology Investment leads and supports the development of indicators and instruments for monitoring investments in science and technology, the performance of the national system of innovation, and ways of strengthening policy in relation to the national system of innovation.
- Technology Localisation, Beneficiation and Advanced Manufacturing funds development programmes for technology and innovation to advance strategic and sustainable economic growth, sector development priorities and service delivery over the medium and long terms.
- Office of the Deputy Director-General: Socioeconomic Innovation Partnership provides management and administrative support to the programme and the office of the deputy director-general.

Expenditure trends and estimates

Table 35.14 Socioeconomic Innovation Partnerships expenditure trends and estimates by subprogramme and economic classification

Table 35.14 Socioeconomic II	nnovation	Partnersh	ips expe	nditure trend	is and es		oy subprog	ramme an	d econon	nic class	
Subprogramme				المحددات المحددات	Average	Expen- diture/	8.8 a di		dta	Average	Average: Expen- diture/
	Aud	ited outcom	ie	Adjusted appropriation	rate (%)	Total (%)	Medium	ı-term expen estimate	diture	rate (%)	Total (%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20	2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Sector Innovation and Green	1 042.7	984.3	1 117.7	1 092.3	1.6%	60.3%	1 096.0	1 145.2	1 196.6	3.1%	62.1%
Economy Innovation for Inclusive	373.1	332.6	399.2	381.7	0.8%	21.1%	384.7	402.0	420.0	3.2%	21.8%
Development Science and Technology Investment	34.0	30.7	39.0	25.4	-9.3%	1.8%	25.3	26.4	27.6	2.9%	1.4%
Technology Localisation, Beneficiation and Advanced	323.6	325.7	251.8	256.1	-7.5%	16.5%	256.4	268.1	280.0	3.0%	14.5%
Manufacturing Office of the Deputy Director-	4.9	4.7	7.0	2.2	-23.2%	0.3%	3.4	3.6	3.8	19.9%	0.2%
General: Socioeconomic Innovation Partnership	1 770 2	1.670.0	1.014.7	4.757.6	0.40/	100.00/	1.755.0	1.045.4	4 020 0	2.40/	100.00/
Total Change to 2022	1 778.2	1 678.0	1 814.7	1 757.6 (1.6)	-0.4%	100.0%	1 765.9 0.8	1 845.4 0.8	1 928.0 0.8	3.1%	100.0%
Budget estimate				(1.0)			0.6	0.8	0.8		
Economic classification											
Current payments	49.0	47.0	49.1	56.4	4.8%	2.9%	55.4	57.8	60.4	2.3%	3.2%
Congeniation of employees	43.2	42.2	42.2 6.9	45.2	1.5%	2.5%	45.9 9.5	47.9	50.0 10.4	3.4%	2.6% 0.6%
Goods and services of which:	5.8	4.8	0.9	11.2	25.0%	0.4%	9.5	10.0	10.4	-2.6%	0.6%
Advertising	0.0	_	_	0.2	161.0%	_	0.3	0.3	0.3	3.4%	_
Catering: Departmental activities	0.0	_	0.0	0.4	125.0%	_	0.4	0.4	0.4	3.0%	_
Communication	0.8	2.4	1.1	1.2	17.2%	0.1%	1.2	1.3	1.4	3.1%	0.1%
Consultants: Business and advisory services	0.2	1.0	1.8	2.9	140.5%	0.1%	2.7	2.7	2.8	-0.8%	0.2%
Travel and subsistence Venues and facilities	2.2 0.1	0.1 0.0	0.3 0.0	3.9 1.0	21.0% 162.3%	0.1%	3.4 1.0	3.6 1.0	3.8 1.0	-0.6% 3.0%	0.2% 0.1%
Transfers and subsidies	1 729.2	1 631.0	1 765.6	1 701.2	-0.5%	97.1%	1 710.5	1 787.5	1 867.6	3.2%	96.8%
Departmental agencies and accounts	492.2	438.0	524.0	519.7	1.8%	28.1%	520.5	540.8	565.0	2.8%	29.4%
Higher education institutions	_	-	8.2	_	-	0.1%	_	-	-	-	-
Public corporations and private enterprises	1 194.2	1 164.7	1 198.6	1 181.5	-0.4%	67.4%	1 190.0	1 246.7	1 302.6	3.3%	67.4%
Non-profit institutions	42.8	28.3	34.9	_	-100.0%	1.5%	-	-	-	-	-
Households Total	0.1	1 670 0	1 814.7	1 757.6	-100.0% - 0.4%	100.0%	1 765 0	1 845.4	1 928.0	2 19/	100.0%
Proportion of total programme	1 778.2 22.0%	1 678.0 23.4%	20.2%	19.2%	-0.4%	100.0%	1 765.9 16.2%	17.5%	1928.0	3.1%	100.0%
expenditure to vote expenditure	22.070	23.470	20.270	13.270			10.270	17.570	13.170		
Details of transfers and subsidies											
Departmental agencies and accounts	5										
Departmental agencies (non-busines	•										
Current	491.3	438.0	524.0	519.7	1.9%	28.1%	520.5	540.8	565.0	2.8%	29.4%
Various institutions: Economic competitiveness and support package: Local manufacturing	33.8	_	-	_	-100.0%	0.5%	_	_	_	-	_
capacity research and technical support											
Various institutions: Economic	39.6	_	-	_	-100.0%	0.6%	_	_	-	-	-
competitiveness and support package: Local systems of innovation for the cold chain											
technologies project											
Various institutions: Advanced manufacturing technology strategy	-	0.8	18.8	_	-	0.3%	-	-	-	-	_
implementation Various institutions: Innovative research and development	24.8	30.4	60.3	46.8	23.5%	2.3%	49.8	52.0	54.4	5.1%	2.8%
Human Sciences Research Council	324.2	289.3	314.4	321.1	-0.3%	17.8%	322.3	336.8	351.9	3.1%	18.3%
Various institutions: Local	28.7	75.7	50.4	86.6	44.5%	3.4%	82.9	83.6	87.3	0.3%	4.7%
manufacturing capacity research and technical support											
Various institutions: Local systems of innovation for the cold chain	-	-	10.7	15.5	-	0.4%	15.5	16.2	16.9	3.1%	0.9%
technologies project National Research Foundation: Research information management	8.4	6.2	10.8	-	-100.0%	0.4%	-	-	-	-	-
system Human Science Research Council: Develop and monitor science and	12.4	11.3	15.2	15.6	7.8%	0.8%	15.6	16.3	17.0	3.1%	0.9%
technology indicators Various institutions: Environmental innovation	19.4	24.3	43.4	34.2	20.9%	1.7%	34.3	35.9	37.5	3.1%	1.9%

Table 35.14 Socioeconomic Innovation Partnerships expenditure trends and estimates by subprogramme and economic classification (continued)

Public of transfers and substitiles Supering Public compositions and private interpretate Public compositions Pub	(continued)											
Part	Details of transfers and subsidies						_					_
Part						_					_	
Marielling Mar					Adjusted	_		Medium	-term expen	diture	_	
Public corporations and private enterprises United stransfers to public corporations Current 223,3 266,2 220,1 179,3 7-114, 12.6% 183,9 1954 204,2 4.4% 10.5% Various institutions: Economic 223,3 266,2 200,1 179,3 7-114, 12.6% 183,9 1954 204,2 4.4% 10.5% Various institutions: Economic 46,2 -		Aud	lited outcom	ie								
Public corporations	R million	2019/20	2020/21	2021/22	2022/23	2019/20	- 2022/23	2023/24	2024/25	2025/26	2022/23	- 2025/26
Commanication Section Commanication Comm		prises										
Current 1233 2662 201 1793 7.1% 12.6% 1839 1954 2042 24.6% 10.5% 2.7% 2.6% 2.7% 2.6% 2.												
Various institutions: Economic composition of the properties of	•		200.2	220.4	470.2	7.40/	12.50/	102.0	105.4	204.2	4.40/	10 50/
Competitiveness and support Supp	ı		266.2	220.1	1/9.3			183.9	195.4	204.2	4.4%	10.5%
package, Local manufacturing capacity research and technical support various institutions: Advanced 58.4 56.7 26.5 36.0 -14.9% 2.5% 38.0 40.0 41.8 5.1% 2.1% implementation various particular various institutions: Information 12.0 - 5.8 - 100.0% 10.1%		40.2	_	_	_	-100.0%	0.776	_	_	_	_	_
Support Support Support Surface Sea												
Various institutions: Advanced S8.4 S6.7 26.5 36.0 -14.9% 2.5% 38.0 40.0 41.8 5.1% 2.1% manufacturing retemblony strategy implementation Various institutions: Innovative 1.0 - 5.8 - - - - - -												
manufacturing technology strately implementation 1.0		50.4	567	26.5	36.0	44.00/	2.50/	20.0	40.0	44.0	F 40/	2.40/
Implementation Various institutions: Innovative research and development Various information Various institutions: Local yeterns of innovation for the cold chain Various institutions: Local yeterns Various institutions: Variou		58.4	56.7	26.5	36.0	-14.9%	2.5%	38.0	40.0	41.8	5.1%	2.1%
Various institutions: Innovative research and development 1.0 - 5.8 - 100.0% 0.1% - - - - - - - 2.4% 2.4% 2.4% 2.5% 2.2% 2.5% 2.2% 2.3% 2.2% 2.4% 2.												
Various institutions: Information 28.0 33.9 35.5 42.9 15.3% 2.0% 43.1 45.0 47.0 31.9% 2.4% Communication rechmology Various institutions: Local manufacturing appoint 22.1 43.9 63.5 65.1 45.5% 2.8% 65.3 68.3 71.3 3.1% 3.7% 42.0 43.0 43.5 4	·	1.0	-	5.8	_	-100.0%	0.1%	-	-	-	-	-
Communication Technology	·											
Various institutions: Local manufacturing capacity research and technical support 20.0		28.0	33.9	35.5	42.9	15.3%	2.0%	43.1	45.0	47.0	3.1%	2.4%
manufacturing capacity research and technical support Council for Scientific and Industrial Research: Mining research and development Various institutions: Resource-based industrial Research: Mining research and development Various institutions: Resource-based industrial Research: Mining research and development Various institutions: Resource-based industrial Research: Mining Research: Mining Research and development Various institutions: Resource-based industrial Research: Mining Resource-based industries research and development Various institutions: Resource-based industrial Research: Mining Research:	-,	_	40.6	30.4	_	_	1 0%	_	_	_	_	_
and technical support Council for Scientific and Industrial Research: Mining research and development Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Resource-based industrial research and development Various institutions: Resource-based industrial research and research a			40.0	30.4			1.070					
Research: Mining research and development Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Resource-based 52.9 45.9 37.2 35.3 -12.6% 2.4% 37.5 42.1 44.0 7.7% 2.2% 4.2% 2.4% 2.4% 37.5 42.1 44.0 7.7% 2.2% 4.2% 2.4% 2.4% 37.5 42.1 44.0 7.7% 2.2% 4.2% 2.4% 2.4% 37.5 42.1 44.0 7.7% 2.2% 4.2% 2.4% 37.5 42.1 44.0 7.7% 2.2% 4.2% 2.4% 37.5 4.2% 37.5												
development		21.1	43.9	63.5	65.1	45.5%	2.8%	65.3	68.3	71.3	3.1%	3.7%
Various institutions: Local systems of innovation for the cold chain technologies project	_											
Marchinologies project Marchinologies proj	·	6.8	29 5	43	_	-100 0%	0.6%	_	_	_	_	_
Various institutions: Resource-based industries research and development 9.0 15.7 17.0 - 100.0% 0.6% - 0		0.0	23.3			100.070	0.070					
Industries research and development 9.0 15.7 17.0 - 100.0% 0.6% - 0	technologies project											
Description		52.9	45.9	37.2	35.3	-12.6%	2.4%	37.5	42.1	44.0	7.7%	2.2%
Various institutions: Economic compositions and private enterprises Private enterpri												
Innovation		9.0	15.7	17.0	_	-100.0%	0.6%	_	_	_	_	_
Private enterprises		5.0	13.7	17.0		100.070	0.070					
Other transfers to private enterprises Current 4.9 4.8 - - - - - - - - -	Public corporations and private enter	prises										
Current 4.9 4.8 - - -100.0% 0.1% - - - - - - - - -	Private enterprises											
Various institutions: Economic competitiveness and support package: Local systems of innovation for the cold chain technologies project Various institutions: Economic competitiveness and support package: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Economic competitiveness and support package: Local systems of innovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation for the cold chain technologies project Various institutions: Environmental incovation Various institutions: Environmental incovatio	·											
Competitiveness and support package: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems Various institutions: Local systems			4.8		-			-				-
package: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Information Local systems of innovation for the cold chain technology Various institutions: Local systems Local s		4.9	_	_	_	-100.0%	0.1%	_	_	_	_	_
Innovation for the cold chain technologies project												
Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Local systems												
Section Competition Comp	0 , ,											
Echnologies project Public corporations and private enterprises Public corporations and production Public corporations (subsidies on products and production) Public corporations Public corp		-	4.8	-	_	-	0.1%	-	-	-	-	_
Public corporations and private enterprises Public corporations Public corporations Public corporations (subsidies on products and production)												
Public corporations Public corporations (subsidies on products and production) 893.6 978.4 1 002.3 1.2% 54.6% 1 006.1 1 051.3 1 098.4 3.1% 57.0% Council for Scientific and Industrial Research 965.8 893.6 978.4 1 002.3 1.2% 54.6% 1 006.1 1 051.3 1 098.4 3.1% 57.0% Research Non-profit institutions 41.9 28.3 34.9 - 100.0% 1.5%		prises										
Products and production Current 965.8 893.6 978.4 1002.3 1.2% 54.6% 1006.1 1051.3 1098.4 3.1% 57.0%		•										
Current 965.8 893.6 978.4 1 002.3 1.2% 54.6% 1 006.1 1 051.3 1 098.4 3.1% 57.0%												
Council for Scientific and Industrial Research 965.8 893.6 978.4 1 002.3 1.2% 54.6% 1 006.1 1 051.3 1 098.4 3.1% 57.0% Research Non-profit institutions		055.0	202.5	070 4	4 000 0	4 20/	E4 C0/	4 000 4	4.054.0	4 000 4	2.40/	F7 00/
Research Non-profit institutions Current 41.9 28.3 34.9 100.0% 1.5% - - - - - - - - -												
Non-profit institutions Current 41.9 28.3 34.9 100.0% 1.5%		505.8	093.0	3/8.4	1 002.3	1.2%	54.0%	1 000.1	1 051.5	1 098.4	3.1%	37.0%
Various institutions: Economic competitiveness and support package: Local systems of innovation for the cold chain technologies project 17.5 - - -100.0% 0.2% -												
Competitiveness and support package: Local systems of innovation for the cold chain technologies project	•	41.9	28.3	34.9	_	-100.0%	1.5%	_	-	-	_	_
package: Local systems of innovation for the cold chain technologies project Various institutions: Innovative research and development Various institutions: Information Various institutions: Local systems of innovation for the cold chain technology Various institutions: Local systems of innovation for the cold chain technologies project Various institutions: Environmental innovation Higher education institutions Current		17.5	_	_	-	-100.0%	0.2%	_	_	_	-	-
Innovation for the cold chain technologies project												
technologies project Various institutions: Innovative research and development Various institutions: Information Various institutions: Information Load systems Information Information Information Information Information Information Information Information Information Information Information Information Inf												
Various institutions: Innovative research and development 13.1 4.0 2.9 100.0% 0.3%												
Various institutions: Information Communication Technology 10.3 4.0 6.3 - -100.0% 0.3% -		13.1	4.0	2.9	_	-100.0%	0.3%	_	_	_	_	-
Communication Technology	-											
Various institutions: Local systems of innovation for the cold chain technologies project - 17.4 - - - 0.2% -		10.3	4.0	6.3	_	-100.0%	0.3%	_	-	-	-	-
of innovation for the cold chain technologies project 1.0 2.9 25.7 100.0% 0.4%	-,	_	17 /	_			0.2%	_	_	_		
technologies project Various institutions: Environmental innovation Higher education institutions Current 8.2 0.1%	•	_	17.4	_	_		0.270	_	_	_	_	
innovation Higher education institutions Current - - 8.2 - - 0.1% - - - - - Various institutions: Innovative - 8.2 - - 0.1% - - - - -												
Higher education institutions Current - - 8.2 - - 0.1% - - - - Various institutions: Innovative - 8.2 - - 0.1% - - - - -		1.0	2.9	25.7	-	-100.0%	0.4%	_	-	-	-	-
Current - - 8.2 - - 0.1% - - - - Various institutions: Innovative - - 8.2 - - 0.1% - - - -	l l											
Various institutions: Innovative 8.2 0.1%	_	_		Q T			0.19/		_	_		
	ı					_		_				
			_	0.2	_		0.170			_		

Personnel information

Table 35.15 Socioeconomic Innovation Partnerships personnel numbers and cost by salary level¹

	estima	of posts ted for ch 2023			Nur	nber and co	ost² of p	erson	nel posts fil	led/pla	nned f	or on funde	d estab	lishme	ent			Average growth	Average: Salary level/
		Number of posts		ctual		Bouise	d estim				Madi	um-term ex	nondit.		imata			rate	Total
	Number	additional	A	Lludi		Revise	u estiiii	late			ivieuii	um-term ex	penaitu	ire est	mate			(%)	(%)
	of	to the																	
	funded	establish-																	
	posts	ment	20	2021/22 2022/23					20	23/24		20	24/25		20	25/26		2022/23	- 2025/26
Socioeconomic	c Innovation	n		2021/22 2022/23 Unit Unit				Unit			Unit			Unit			Unit		
Partnerships			Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary level	62	-	43	42.2	1.0	44	45.2	1.0	46	45.9	1.0	46	47.9	1.0	47	50.0	1.1	2.2%	100.0%
1-6	6	-	4	1.1	0.3	4	1.1	0.3	4	1.1	0.3	5	1.4	0.3	5	1.5	0.3	7.7%	9.8%
7 – 10	12	_	7	2.9	0.4	7	3.0	0.4	9	3.8	0.4	9	4.0	0.4	9	4.3	0.5	8.8%	18.5%
11 – 12	25	-	19	18.6	1.0	20	20.5	1.0	20	20.4	1.0	19	20.6	1.1	20	22.1	1.1	0.0%	43.2%
13 – 16	19	_	13	19.6	1.5	13	20.5	1.6	13	20.6	1.6	13	21.8	1.7	13	22.2	1.7	-	28.4%

^{1.} Data has been provided by the department and may not necessarily reconcile with official government personnel data.

Entities

Academy of Science of South Africa

Selected performance indicators

Table 35.16 Academy of Science of South Africa performance indicators by programme/objective/activity and related priority

						Estimated			
Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforn	nance	performance	N	/ITEF target	ts
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of special	Liaison	Priority 3:	3	3	5	5	5	5	5
lectures per year		Education, skills							
		and health							
Number of activities	Liaison	Priority 1: A	1	1	4	4	4	4	4
supported with other		capable, ethical							
African academies		and							
per year		developmental							
		state							
Number of young	Liaison	Priority 3:	1	1	4	4	4	4	4
scientist activities		Education, skills							
supported per year		and health							
Number of strategic	Liaison	Priority 1: A	_1	_1	4	4	4	4	4
partnerships per year		capable, ethical							
		and							
		developmental							
		state							
Number of	Science advisory programme		2	2	8	8	8	8	8
proceedings reports,									
policy-maker booklets									
and statements per									
year									
Number of new	Scholarly publishing programme		7	7	2	2	2	2	2
journal titles on the									
Scientific Electronic		Priority 3:							
Library Online open-		Education, skills							
access platform per		and health							
year									
Number of South	Scholarly publishing programme		6	6	6	6	6	6	6
African Journal of									
Science articles									
published per year									
Number of Quest:	Scholarly publishing programme		4	4	4	4	4	4	4
Science magazines									
produced per year									

^{1.} No historical data available.

Entity overview

The Academy of Science of South Africa was established in terms of the Academy of Science of South Africa Act (2001), as amended, to promote outstanding achievements in all fields of scientific inquiry, recognise excellence, and provide evidence-based scientific advice to government and other stakeholders.

² Pand million

Over the medium term, the academy aims to enhance South Africa's capacity to produce and publish research, provide evidence-based policy advice to government, and increase the quality and visibility of South African research publications. This entails undertaking various consensus studies in the categories of health, education, climate change, energy, the science-policy nexus, biosafety and biosecurity, poverty reduction, gender-responsive issues, young people and people with disabilities. To complement this work, the academy aims to host 15 lectures on scientific topics, form 12 strategic partnerships with players in the science community and publish 6 journal titles on the Scientific Electronic Library Online open-access platform over the MTEF period.

Expenditure is expected to increase at an average annual rate of 3 per cent, from R35.5 million in 2022/23 to R38.8 million in 2025/26. Transfers from the department account for an estimated 95.4 per cent (R106.6 million) of total revenue over the period ahead, increasing from R33.8 million in 2022/23 to R37.1 million in 2025/26 at an average annual rate of 3.1 per cent.

Programmes/Objectives/Activities

Table 35.17 Academy of Science of South Africa expenditure trends and estimates by programme/objective/activity

			-		Average growth	Average: Expen- diture/		-		Average growth	Average: Expen- diture/
				Revised	rate	Total	Mediun	n-term exper	nditure	rate	Total
	Aud	dited outcon	ne	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Administration	22.7	16.8	13.6	12.8	-17.4%	43.2%	12.5	13.0	13.6	2.0%	35.3%
Liaison	13.9	6.9	4.8	6.4	-22.7%	20.1%	6.6	6.9	7.2	3.7%	18.4%
Science advisory programme	6.0	3.3	2.6	4.8	-7.6%	10.7%	4.8	5.0	5.3	3.4%	13.5%
Scholarly publishing	10.5	8.2	8.5	11.5	3.1%	26.1%	11.7	12.3	12.8	3.7%	32.8%
programme											
Total	53.2	35.1	29.5	35.5	-12.6%	100.0%	35.6	37.2	38.8	3.0%	100.0%

Statements of financial performance, cash flow and financial position

Table 35.18 Academy of Science of South Africa statements of financial performance, cash flow and financial position

Statement of financial performance						Average:			-		Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	n-term expen	diture	rate	Total
		Audited outc		estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Revenue											
Non-tax revenue	2.7	1.6	1.6	1.7	-15.5%	4.6%	1.7	1.7	1.7	1.7%	4.6%
Sale of goods and services other than	0.5	0.5	0.5	0.4	-8.3%	1.2%	0.4	0.4	0.4	1.9%	1.1%
capital assets											
Other non-tax revenue	2.2	1.1	1.1	1.2	-17.5%	3.4%	1.2	1.2	1.3	1.6%	3.4%
Transfers received	50.5	34.1	37.0	33.8	-12.5%	95.4%	34.0	35.5	37.1	3.1%	95.4%
Total revenue	53.2	35.6	38.6	35.5	-12.6%	100.0%	35.6	37.2	38.8	3.0%	100.0%
Expenses											
Current expenses	53.2	35.1	29.5	35.5	-12.6%	100.0%	35.6	37.2	38.8	3.0%	100.0%
Compensation of employees	28.3	26.9	20.8	18.8	-12.7%	63.4%	18.8	19.6	19.6	1.5%	52.3%
Goods and services	24.7	8.0	8.6	16.7	-12.2%	36.3%	16.8	17.5	19.2	4.8%	47.7%
Depreciation	0.2	0.2	0.1	_	-100.0%	0.3%	_	_	_	-	_
Total expenses	53.2	35.1	29.5	35.5	-12.6%	100.0%	35.6	37.2	38.8	3.0%	100.0%
Surplus/(Deficit)	-	_	9.1	_	-		_	_	_	_	
Cash flow statement											
Cash flow from operating activities	2.2	0.7	8.2	0.1	-62.5%	100.0%	-	-	-	-100.0%	-
Receipts											
Non-tax receipts	2.1	1.9	1.7	1.7	-7.8%	4.6%	1.7	1.7	1.7	1.7%	4.6%
Sales of goods and services other than	0.7	0.9	0.7	0.5	-12.1%	1.7%	0.5	0.5	0.4	-1.1%	1.2%
capital assets											
Other sales	0.1	0.1	0.0	0.0	-34.9%	0.2%	0.0	0.0	_	-100.0%	0.1%
Other tax receipts	1.4	1.0	1.0	1.2	-5.9%	2.9%	1.2	1.2	1.3	2.7%	3.3%
Transfers received	50.5	34.7	37.6	33.8	-12.5%	95.4%	34.0	35.5	37.1	3.1%	95.4%
Total receipts	52.6	36.6	39.3	35.5	-12.3%	100.0%	35.6	37.2	38.8	3.0%	100.0%
Payment											
Current payments	50.4	36.0	31.1	35.4	-11.1%	100.0%	35.6	37.2	38.8	3.1%	100.0%
Compensation of employees	28.2	26.9	20.8	18.8	-12.6%	62.7%	18.8	19.6	19.6	1.5%	52.4%
Goods and services	22.2	9.0	10.3	16.6	-9.3%	37.3%	16.8	17.5	19.2	5.0%	47.6%
Total payments	50.4	36.0	31.1	35.4	-11.1%	100.0%	35.6	37.2	38.8	3.1%	100.0%
Net cash flow from investing activities	(1.0)	(0.9)	(1.3)	(0.8)	-6.3%	100.0%	(0.8)	(0.8)	_	-100.0%	_
Acquisition of property, plant,	(0.0)	(0.1)	(0.6)	(0.3)	184.7%	23.4%	(0.3)	(0.3)	_	-100.0%	_
equipment and intangible assets	(/	(-)	(/	(/			(/	(,			
Other flows from investing activities	(1.0)	(0.8)	(0.7)	(0.5)	-19.6%	76.6%	(0.5)	(0.5)	_	-100.0%	_
Net increase/(decrease) in cash and	1.2	(0.2)	7.0	(0.7)	-182.8%	5.8%	(0.8)	(0.8)	_	-100.0%	-1.6%
cash equivalents	-	()		()		2.270	()	(5.5)			2.270

Table 35.18 Academy of Science of South Africa statements of financial performance, cash flow and financial position (continued)

Statement of financial position						Average:			-		Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	n-term expen	diture	rate	Total
		Audited outc	ome	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Carrying value of assets	0.2	0.1	0.5	0.1	-16.3%	1.0%	0.1	0.1	0.1	1.5%	0.6%
of which:											
Acquisition of assets	(0.0)	(0.1)	(0.6)	(0.3)	184.7%	100.0%	(0.3)	(0.3)	_	-100.0%	-
Investments	13.1	13.8	14.6	14.0	2.2%	62.7%	14.0	14.0	14.0	-	71.5%
Receivables and prepayments	2.3	1.3	0.6	0.3	-52.5%	5.2%	0.3	0.3	0.3	1.5%	1.3%
Cash and cash equivalents	5.8	5.6	12.5	5.2	-3.5%	31.1%	5.2	5.2	5.2	-	26.5%
Total assets	21.4	20.9	28.3	19.6	-3.0%	100.0%	19.6	19.6	19.6	-	100.0%
Capital and reserves	7.8	8.3	17.4	8.8	4.5%	45.7%	8.8	8.8	8.8	-	45.2%
Capital reserve fund	8.1	9.5	8.1	8.0	-0.5%	38.1%	8.0	8.0	8.0	-	40.9%
Trade and other payables	1.8	0.2	0.2	0.2	-53.8%	2.8%	0.2	0.2	0.2	-	0.9%
Provisions	3.8	2.8	1.2	2.5	-12.3%	12.1%	2.5	2.5	2.5	0.2%	13.0%
Derivatives financial instruments	_	_	1.4	_	-	1.2%	_	_	-	-	-
Total equity and liabilities	21.4	20.9	28.3	19.6	-3.0%	100.0%	19.6	19.6	19.6	-	100.0%

Personnel information

Table 35.19 Academy of Science of South Africa personnel numbers and cost by salary level

	Numbe	r of posts																Average	
	estima	ated for																growth	
	31 Mai	rch 2023			Νι	umber and	cost ¹ of	f perso	nnel posts	filled/p	lanned	for on fur	ided est	ablishn	nent			rate of	Average:
		Number																person-	Salary
		of posts																nel	level/
	Number	on																posts	Total
	of	approved		Actual		Revise	d estim	ate			Medi	um-term e	xpendit	ure est	imate			(%)	(%)
	funded	establish-																	
	posts	ment	2	021/22		2	022/23		2	023/24		2	024/25		2	025/26		2022/23	- 2025/26
Acaden	ny of Scie	nce of			Unit			Unit			Unit			Unit			Unit		
South A	Africa		Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary	30	30	29	20.8	0.7	30	18.8	0.6	30	18.8	0.6	30	19.6	0.7	30	19.6	0.7	-	100.0%
level																			
1-6	4	4	3	0.8	0.3	4	0.9	0.2	4	0.9	0.2	4	0.9	0.2	4	0.9	0.2	-	13.3%
7 – 10	20	20	20	11.4	0.6	20	10.4	0.5	20	10.4	0.5	20	10.9	0.5	20	10.9	0.5	-	66.7%
11 – 12	2	2	2	2.1	1.1	2	1.8	0.9	2	1.8	0.9	2	1.9	0.9	2	1.9	0.9	-	6.7%
13 – 16	4	4	4	6.4	1.6	4	5.7	1.4	4	5.7	1.4	4	5.9	1.5	4	5.9	1.5	_	13.3%

^{1.} Rand million.

Council for Scientific and Industrial Research

Selected performance indicators

Table 35.20 Council for Scientific and Industrial Research performance indicators by programme/objective/activity and related priority

						Estimated			
Indicator	Programme/Objective/Activity	MTSF priority	Audit	ted perform	nance	performance	N	/ITEF target	s
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of journal	Science, engineering and		300	310	315	320	320	320	320
articles published per	technology operating units and	Priority 3:							
year	centres	Education, skills							
Number of conference	Science, engineering and	and health	330	335	337	338	340	342	345
papers delivered per	technology operating units and	and nearth							
year	centres								
Number of new	Science, engineering and		66	63	63	64	69	69	69
technology	technology operating units and	Priority 2:							
demonstrators per year	centres	Economic							
Value of contract	Science, engineering and	transformation	R2.2bn	R2.3bn	R2.3bn	R2.4bn	R2.5bn	R2.6bn	R2.6bn
research and	technology operating units and	and job creation							
development income	centres	and job creation							
per year									
Number of science,	Science, engineering and		1 619	1 410	1 497	1 572	1 651	1 733	1781
engineering and	technology operating units and								
technology staff per year									
Percentage of black	Science, engineering and		62%	63%	63%	66%	67%	67%	69%
science engineering and	technology operating units and		(1 452/	(1 465/	(1 465/				
technology staff per year	centres	Priority 3:	2 342)	2 342)	2 342)				
Number of science,	Science, engineering and	Education, skills	356	310	344	369	396	424	425
engineering and	technology operating units and	and health							
technology staff with	centres								
doctorates per year									
Number of new patents	Science, engineering and		13	10	8	16	18	19	19
granted per year	technology operating units and								
	centres								

Entity overview

The Council for Scientific and Industrial Research was established in 1945 and is governed in terms of the Scientific Research Council Act (1988). The council fosters industrial and scientific development in the national interest through multidisciplinary research and technological innovation to improve the ability of the state to efficiently deliver basic services in fields such as health, education, social security, energy and shelter to all South Africans, and, in doing so, reduce inequality.

Over the medium term, the council will focus on conducting high-quality and relevant research, pursuing technological innovation to foster industrial and scientific development, and building on industrial development opportunities in fields such as pharmaceutical innovation and agro-processing. To achieve this, the council aims to support 56 registered patents and publish 960 journal articles over the medium term. The council also plans to implement a range of research, development and innovation programmes in areas such as health, energy, defence and security. Spending on these activities amounts to an estimated R8.4 billion over the MTEF period.

As the council's work requires highly specialised skills and is labour intensive, spending on compensation of employees accounts for 55.6 per cent (R5.6 billion) of planned expenditure over the medium term, increasing at an average annual rate of 9.1 per cent, from R1.7 billion in 2022/23 to R2.1 billion in 2025/26.

Transfers from the department account for an estimated 22.2 per cent (R2.3 billion) of the council's total revenue over the period ahead. The remainder is set to be generated from services rendered, such as contract research and development, income from intellectual property, proceeds from technology transfers, and royalties. Total revenue over the period ahead is projected to be R10.8 billion.

Programmes/Objectives/Activities

Table 35.21 Council for Scientific and Industrial Research expenditure trends and estimates by programme/objective/activity

	•	dia d		Revised	Average growth rate	Average: Expen- diture/ Total	Mediur	n-term expe	nditure	Average growth rate	Average: Expen- diture/ Total
R million	2019/20	dited outcom 2020/21	1e 2021/22	estimate 2022/23	(%) 2019/20 -	(%)	2023/24	estimate 2024/25	2025/26	(%) 2022/23 -	(%)
			•								
Administration	602.3	525.3	558.8	730.1	6.6%	22.0%	583.6	611.1	653.5	-3.6%	18.8%
Science, engineering and technology operating units	2 156.7	1 989.1	2 014.1	2 359.9	3.0%	78.0%	2 802.1	2 926.2	3 133.8	9.9%	81.2%
and centres											
Total	2 759.0	2 514.4	2 572.9	3 089.9	3.8%	100.0%	3 385.7	3 537.3	3 787.3	7.0%	100.0%

Statements of financial performance, cash flow and financial position

Table 35.22 Council for Scientific and Industrial Research statements of financial performance, cash flow and financial position

Statement of financial performa	ance					Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	n-term expend	diture	rate	Total
		Audited outco	me	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Revenue											
Non-tax revenue	1 907.7	1 783.0	1 790.0	2 343.0	7.1%	69.4%	2 652.7	2 825.0	2 990.4	8.5%	77.8%
Sale of goods and services	1 838.5	1 741.0	1 731.8	2 161.5	5.5%	66.4%	2 464.4	2 636.1	2 792.3	8.9%	72.3%
other than capital assets											
Other non-tax revenue	69.2	42.0	58.2	181.5	37.9%	3.0%	188.3	188.9	198.1	3.0%	5.5%
Transfers received	920.2	827.6	922.6	741.6	-6.9%	30.6%	744.5	777.9	812.7	3.1%	22.2%
Total revenue	2 827.9	2 610.6	2 712.6	3 084.6	2.9%	100.0%	3 397.2	3 602.9	3 803.1	7.2%	100.0%
Expenses											
Current expenses	2 759.0	2 514.4	2 572.9	2 959.2	2.4%	98.9%	3 254.5	3 400.2	3 644.0	7.2%	96.1%
Compensation of employees	1 453.7	1 434.5	1 475.1	1 653.5	4.4%	55.1%	1 843.2	1 990.7	2 149.9	9.1%	55.2%
Goods and services	1 241.7	1 026.2	1 047.0	1 104.8	-3.8%	40.6%	1 261.9	1 311.2	1 389.9	8.0%	36.7%
Depreciation	62.1	52.5	49.8	200.9	47.9%	3.2%	149.4	98.3	104.2	-19.6%	4.1%
Interest, dividends and rent on	1.5	1.1	1.1	_	-100.0%	_	_	_	-	-	-
land											
Transfers and subsidies	-	-	-	130.7	-	1.1%	131.2	137.1	143.3	3.1%	3.9%
Total expenses	2 759.0	2 514.4	2 572.9	3 089.9	3.8%	100.0%	3 385.7	3 537.3	3 787.3	7.0%	100.0%
Surplus/(Deficit)	68.9	96.3	139.7	(5.4)	-142.8%		11.5	65.6	15.8	-243.0%	ĺ

Table 35.22 Council for Scientific and Industrial Research statements of financial performance, cash flow and financial position (continued)

(continued)											
Cash flow statement						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	-term expend	diture	rate	Total
_		Audited outco	me	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Cash flow from operating	56.3	220.2	49.5	195.5	51.4%	100.0%	160.9	202.1	160.6	-6.4%	100.0%
activities											
Receipts											
Tax receipts	-	-	-	130.7	-	1.1%	131.2	137.1	143.3	3.1%	3.9%
Non-tax receipts	1 970.4	1 945.7	1 985.2	2 212.2	3.9%	72.9%	2 521.5	2 687.9	2 847.1	8.8%	73.9%
Sales of goods and services	1 919.0	1 903.5	1 930.6	2 161.5	4.0%	71.1%	2 464.4	2 636.1	2 792.3	8.9%	72.3%
other than capital assets											
Other tax receipts	51.4	42.2	54.5	50.7	-0.5%	1.8%	57.1	51.7	54.8	2.6%	1.6%
Transfers received	758.1	670.0	725.5	741.6	-0.7%	26.1%	744.5	777.9	812.7	3.1%	22.2%
Total receipts	2 728.5	2 615.8	2 710.7	3 084.6	4.2%	100.0%	3 397.2	3 602.9	3 803.1	7.2%	100.0%
Payment											
Current payments	2 672.2	2 395.5	2 661.2	2 758.3	1.1%	98.9%	3 105.1	3 263.6	3 499.3	8.3%	95.9%
Compensation of employees	1 453.7	1 370.5	1 475.1	1 653.5	4.4%	56.1%	1 843.2	1 990.7	2 149.9	9.1%	57.9%
Goods and services	1 218.3	1 024.1	1 185.3	1 104.8	-3.2%	42.8%	1 261.9	1 273.0	1 349.4	6.9%	37.9%
Interest and rent on land	0.1	0.9	0.8	_	-100.0%	_	_	_	-	_	-
Transfers and subsidies	-	-	-	130.7	-	1.1%	131.2	137.1	143.3	3.1%	4.1%
Total payments	2 672.2	2 395.5	2 661.2	2 889.0	2.6%	100.0%	3 236.3	3 400.8	3 642.5	8.0%	100.0%
Net cash flow from investing	(43.3)	(36.2)	(51.0)	(120.0)	40.5%	100.0%	(209.3)	(120.0)	(127.2)	2.0%	100.0%
activities											
Acquisition of property, plant,	(44.0)	(36.2)	(51.0)	(120.0)	39.7%	100.4%	(209.3)	(120.0)	(127.2)	2.0%	100.0%
equipment and intangible											
assets											
Proceeds from the sale of	0.8	-	-	_	-100.0%	-0.4%	-	-	-	-	-
property, plant, equipment											
and intangible assets											
Net cash flow from financing	(0.7)	(2.7)	(1.6)	-	-100.0%	-	-	_	-	-	-
activities											
Other flows from financing	(0.7)	(2.7)	(1.6)	-	-100.0%	-	-	_	-	-	-
activities			(0.4)				/\				4 444
Net increase/(decrease) in	12.4	181.3	(3.1)	75.5	82.8%	2.5%	(48.4)	82.1	33.4	-23.8%	1.1%
cash and cash equivalents											
Statement of financial position											
Carrying value of assets	774.0	753.7	745.2	804.1	1.3%	29.6%	863.4	885.1	908.1	4.1%	30.7%
of which:	774.0	755.7	745.2	804.1	1.570	29.070	803.4	885.1	308.1	4.170	30.770
Acquisition of assets	(44.0)	(36.2)	(51.0)	(120.0)	39.7%	100.0%	(209.3)	(120.0)	(127.2)	2.0%	100.0%
Investments	2.4	2.4	2.4	2.4	0.4%	0.1%	2.4	2.4	2.4	2.0/0	0.1%
Inventory	115.2	143.2	186.7	145.2	8.0%	5.7%	160.4	170.7	180.2	7.5%	5.8%
Receivables and prepayments	312.0	293.5	307.9	348.4	3.7%	12.1%	385.1	409.7	432.6	7.5%	13.9%
Cash and cash equivalents	1 248.8	1 435.1	1 432.1	1 340.8	2.4%	52.5%	1 339.6	1 428.6	1 473.3	3.2%	49.5%
Total assets	2 452.5	2 628.0	2 674.4	2 640.9	2.5%	100.0%	2 751.0	2 896.6	2 996.6	4.3%	100.0%
Accumulated surplus/(deficit)	1 071.4	1 167.6	1 308.9	1 361.4	8.3%	47.2%	1 327.0	1 392.6	1 408.4	1.1%	48.7%
Finance lease	13.9	8.8	11.3	6.8	-21.1%	0.4%	6.1	5.5	5.0	-10.0%	0.2%
Trade and other payables	1 343.0	1 438.6	1 342.0	1 260.4	-21.1%	51.9%	1 405.4	1 485.9	1 570.6	7.6%	50.6%
Provisions	24.3	12.9	12.2	12.3	-20.2%	0.6%	12.4	12.6	12.7	1.0%	0.4%
Total equity and liabilities	2 452.5	2 628.0	2 674.4	2 640.9	2.5%	100.0%	2 751.0	2 896.6	2 996.6	4.3%	100.0%
rotal equity and nabilities	2 432.3	2 020.0	2 0/4.4	2 040.3	2.3/0	100.070	2 / 31.0	2 030.0	2 330.0	4.3/0	100.070

Personnel information

Table 35.23 Council for Scientific and Industrial Research personnel numbers and cost by salary level

Table	33.23	councii i	UI JUIE	iitiiit ai	iu iiic	iustiiai	iveseai	cii pe	13011116	IIIuiiib	CI 3 ai	iu cost	Dy Sala	i y iev	CI				
	Numbe	r of posts																Average	
	estima	ated for																growth	
	31 Ma	rch 2023			N	umber an	d cost ¹ o	f perso	nnel post	ts filled/p	lanned	l for on fu	ınded est	ablishn	nent			rate of	Average:
		Number																person-	Salary
		of posts																nel	level/
	Number	on																posts	Total
	of	approved		Actual		Revis	ed estim	ate			Medi	um-term	expendit	ure est	imate			(%)	(%)
	funded	establish-																	
	posts	ment		2021/22			2022/23			2023/24			2024/25			2025/26		2022/23	- 2025/26
Council	for Scien	tific and			Unit			Unit			Unit			Unit			Unit	•	
Industri	ial Resea	rch	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary	2 487	2 487	2 478	1 475.1	0.6	2 487	1 653.5	0.7	2 497	1 843.2	0.7	2 682	1 990.7	0.7	2 772	2 149.9	0.8	3.7%	100.0%
level																			
1-6	416	416	414	40.2	0.1	416	45.1	0.1	421	50.8	0.1	449	54.3	0.1	455	58.6	0.1	3.0%	16.7%
7 – 10	1 195	1 195	1 189	499.8	0.4	1 195	560.2	0.5	1 197	624.3	0.5	1 286	674.5	0.5	1 309	728.4	0.6	3.1%	47.8%
11 – 12	463	463	463	363.4	0.8	463	407.4	0.9	464	451.8	1.0	497	490.5	1.0	533	529.7	1.0	4.8%	18.7%
13 – 16	387	387	386	499.7	1.3	387	560.1	1.4	389	623.0	1.6	424	674.3	1.6	426	728.3	1.7	3.3%	15.6%
17 – 22	26	26	26	72.0	2.8	26	80.7	3.1	26	93.3	3.6	26	97.1	3.7	49	104.9	2.1	23.5%	1.2%

Human Sciences Research Council

Selected performance indicators

Table 35.24 Human Sciences Research Council performance indicators by programme/objective/activity and related priority

	Sciences Research Council p		,		, 0,000	Estimated		т. р. т. т.	<u>'</u>
Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforn	nance	performance	N	/ITEF targe	ts
	, , , , , , , , , , , , , , , , , , , ,			2020/21		2022/23	2023/24		
Number of Human	Administration		313	179	176	165	170	170	175
Sciences Research									
Council research									
articles that achieved									
a citation count of at		Priority 1: A							
least 10 within		capable, ethical							
5 years of initial		and							
publication per year		developmental							
Number of curated	Administration	state	608	556	574	574	603	605	608
datasets downloaded									
for secondary use per									
year									
Number of historically	Administration		_1	6	6	6	7	7	7
disadvantaged									
institutions with									
which the council has									
actively collaborated									
per year		Priority 3:							
Percentage of	Administration	Education, skills	_1	78%	78%	78%	78%	78%	78%
researchers		and health		(327/	(327/				
(excluding trainees)				420)	420)				
with PhDs per year				,	,				
Number of PhD	Administration		47	31	27	28	30	32	35
trainees per year	, tarring a delori		.,	01	_,			02	
Number of peer-	Research, development and		0.78	1.17	1.17	1.1	1.1	1.1	1.1
reviewed journal	innovation								
articles published per									
Human Sciences									
Research Council									
researcher per year									
Number of scholarly	Research, development and		86	118	40	48	49	50	50
book chapters	innovation								
published by council									
researchers per year		Priority 1: A							
Number of policy	Research, development and	capable, ethical	12	12	18	12	12	13	13
briefs and/or	innovation	and							
evidence reviews		developmental							
completed and		state							
published per year									
Number of	Research, development and		_1	1	1	1	1	1	1
community	innovation			-	-	_	_	_	_
innovations	iniovación								
supported or enabled									
by Human Sciences									
Research Council									
research per year									
Number of incoming	Research, development and	Priority 7: A	7	4	7	6	8	8	8
international	innovation	better Africa and	,	-	'				
exchange visits or		world							
fellowships active per									
year									
1 - 41	I .	I	1	l	L	l .	L		

^{1.} No historical data available.

Entity overview

The Human Sciences Research Council was established in 1968 to undertake, promote and coordinate research in the human and social sciences. The council is mandated to initiate, undertake and foster strategic, basic and applied research in human sciences; and address developmental challenges by gathering, analysing and publishing relevant data, especially through projects linked to collaborative programmes geared towards the public sector. The council's research outputs are widely disseminated to support policy development at all levels of government. Over the medium term, the council will continue to focus on producing research that serves the public; contributing to good governance and public service delivery; helping to address the challenges of poverty, inequality and unemployment; and building the capacity of scholars and researchers.

Human capital is essential for the council to produce research outputs, for fundraising and to implement contract research projects. As such, spending on compensation of employees accounts for an estimated 47.3 per cent (R932.9 million) of the council's total expenditure over the medium term, increasing at an average annual rate of 4.6 per cent, from R283.6 million in 2022/23 to R324.7 million in 2025/26.

The council is set to receive 50.4 per cent (R1 billion) of its revenue through transfers from the department, increasing at an average annual rate of 8 per cent, from R279.2 million in 2022/23 to R351.5 million in 2025/26. It plans to generate the remainder of its projected revenue through research contracts and grants from national and international agencies, government departments and private-sector foundations.

Programmes/Objectives/Activities

Table 35.25 Human Sciences Research Council expenditure trends and estimates by programme/objective/activity

				Revised	Average growth rate	Average: Expen- diture/ Total	Mediun	n-term expe	nditure	Average growth rate	Average: Expen- diture/ Total
	Aud	Audited outcome es			(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Administration	124.5	119.5	169.0	185.9	14.3%	28.4%	271.2	275.4	281.1	14.8%	40.0%
Research, development and	296.8	271.7	374.3	648.0	29.7%	71.6%	299.6	331.5	346.6	-18.8%	60.0%
innovation											
Total	421.3	391.2	543.3	833.9	25.6%	100.0%	570.8	606.9	627.7	-9.0%	100.0%

Statements of financial performance, cash flow and financial position

Table 35.26 Human Sciences Research Council statements of financial performance, cash flow and financial position

Statement of financial performa	ance				рол	Average:			ш ростио	-	Average:
•					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Mediun	n-term expen	diture	rate	Total
		Audited outco	ome	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23	2025/26
Revenue											
Non-tax revenue	160.7	159.6	315.6	554.7	51.1%	49.0%	248.5	270.1	275.8	-20.8%	49.6%
Sale of goods and services	119.7	118.8	281.4	522.9	63.5%	41.7%	214.0	235.1	239.8	-22.9%	44.3%
other than capital assets											
Other non-tax revenue	41.0	40.8	34.3	31.7	-8.2%	7.2%	34.5	35.1	36.0	4.3%	5.3%
Transfers received	272.9	251.6	273.4	279.2	0.8%	51.0%	322.3	336.8	351.9	8.0%	50.4%
Total revenue	433.6	411.2	589.0	833.9	24.4%	100.0%	570.8	606.9	627.6	-9.0%	100.0%
Expenses											
Current expenses	421.3	346.4	505.9	833.9	25.6%	95.4%	521.7	556.9	576.6	-11.6%	93.8%
Compensation of employees	291.8	231.6	255.4	283.6	-1.0%	52.4%	297.5	310.7	324.7	4.6%	47.3%
Goods and services	118.7	104.9	232.8	537.2	65.4%	40.6%	205.3	226.9	232.3	-24.4%	43.7%
Depreciation	9.4	9.3	16.6	13.1	11.8%	2.3%	17.3	17.6	18.0	11.0%	2.6%
Interest, dividends and rent on land	1.4	0.5	1.1	-	-100.0%	0.2%	1.6	1.6	1.7	-	0.2%
Transfers and subsidies	-	44.9	37.4	-	-	4.6%	49.1	50.1	51.1	-	6.2%
Total expenses	421.3	391.2	543.3	833.9	25.6%	100.0%	570.8	606.9	627.7	-9.0%	100.0%
Surplus/(Deficit)	12.3	20.0	45.7	-	-100.0%		_	_	1	-	
Cash flow statement Cash flow from operating	108.6	62.0	(11.6)	13.1	-50.5%	100.0%	55.6	45.2	252.6	167.9%	100.0%
activities	200.0	02.0	(22.0)		55.576	200.070	55.6			2071070	200.070
Receipts											
Non-tax receipts	322.4	327.1	609.4	554.7	19.8%	58.4%	365.1	367.4	374.7	-12.3%	55.8%
Sales of goods and services	314.1	320.6	602.3	545.7	20.2%	57.4%	356.0	358.1	365.2	-12.5%	54.6%
other than capital assets											
Other sales	194.4	201.7	321.0	22.7	-51.1%	24.8%	142.0	123.0	125.5	76.8%	14.5%
Other tax receipts	8.3	6.5	7.0	9.0	2.7%	1.0%	9.1	9.3	9.5	1.8%	1.3%
Transfers received	313.9	319.2	314.4	279.2	-3.8%	41.6%	322.3	336.8	351.9	8.0%	44.2%
Total receipts	636.3	646.3	923.7	833.9	9.4%	100.0%	687.4	704.2	726.6	-4.5%	100.0%
Payment											
Current payments	508.8	563.9	889.2	820.7	17.3%	97.0%	581.3	613.9	428.0	-19.5%	93.9%
Compensation of employees	285.6	252.0	331.8	283.6	-0.2%	41.8%	256.7	261.1	266.3	-2.1%	42.7%
Goods and services	223.2	311.9	557.5	537.2	34.0%	55.2%	324.6	352.8	161.7	-33.0%	51.1%
Transfers and subsidies	18.9	20.4	46.1	-	-100.0%	3.0%	50.5	45.1	46.0	-	6.1%
Total payments	527.7	584.3	935.4	820.7	15.9%	100.0%	631.8	659.0	474.0	-16.7%	100.0%
Net cash flow from investing	(2.0)	(7.2)	(19.7)	(7.8)	57.9%	100.0%	(8.1)	(8.1)	(8.0)	0.8%	100.0%
activities											
Acquisition of property, plant,	(2.0)	(7.2)	(19.7)	(7.8)	56.9%	100.5%	(8.1)	(8.1)	(8.0)	0.8%	100.0%
equipment and intangible assets											
Proceeds from the sale of	0.0	_	0.0	_	-100.0%	-0.5%	_	_	_	_	_
property, plant, equipment											
and intangible assets											
Net increase/(decrease) in	106.6	54.8	(31.3)	5.4	-63.1%	8.5%	47.6	37.1	244.7	257.1%	13.5%
cash and cash equivalents			-								

Table 35.26 Human Sciences Research Council statements of financial performance, cash flow and financial position (continued)

Statement of financial position						Average:					Average:
· · · · · · · · · · · · · · · · · · ·					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	n-term expend	diture	rate	Total
		Audited outco	me	estimate	(%)	(%)		estimate .		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Carrying value of assets	414.5	274.1	277.8	299.2	-10.3%	55.7%	305.1	311.0	317.3	2.0%	62.1%
of which:											
Acquisition of assets	(2.0)	(7.2)	(19.7)	(7.8)	56.9%	100.0%	(8.1)	(8.1)	(8.0)	0.8%	100.0%
Inventory	4.8	3.4	5.1	3.5	-9.7%	0.7%	3.0	3.1	2.1	-16.5%	0.6%
Receivables and prepayments	39.4	80.9	115.3	47.9	6.7%	12.5%	36.5	34.7	35.3	-9.6%	7.8%
Cash and cash equivalents	151.4	206.2	174.9	164.0	2.7%	30.9%	132.0	145.0	147.9	-3.4%	29.6%
Taxation	_	1.2	4.4	0.1	-	0.2%	0.1	0.1	0.1	19.3%	_
Total assets	610.2	565.8	577.6	514.7	-5.5%	100.0%	476.7	493.9	502.7	-0.8%	100.0%
Accumulated surplus/(deficit)	70.6	80.4	126.1	37.5	-19.0%	13.7%	33.4	38.5	39.3	1.5%	7.5%
Capital and reserves	392.8	255.1	256.0	255.1	-13.4%	50.8%	255.1	255.1	259.2	0.5%	51.6%
Deferred income	90.9	159.1	131.0	167.0	22.5%	24.5%	132.0	143.2	146.1	-4.4%	29.6%
Trade and other payables	28.5	56.4	50.2	36.0	8.1%	7.6%	36.7	37.2	38.0	1.8%	7.4%
Taxation	7.6	_	-	-	-100.0%	0.3%	_	_	-	-	_
Provisions	17.4	14.7	14.3	16.4	-1.9%	2.8%	16.8	17.1	17.4	2.0%	3.4%
Derivatives financial	2.3	_	-	2.6	3.5%	0.2%	2.6	2.7	2.8	2.0%	0.5%
instruments											
Total equity and liabilities	610.2	565.8	577.6	514.7	-5.5%	100.0%	476.7	493.9	502.7	-0.8%	100.0%

Personnel information

Table 35.27 Human Sciences Research Council personnel numbers and cost by salary level

	Numbe	r of posts																Average	
	estim	ated for																growth	
	31 Ma	rch 2023			Nu	umber and	d cost ¹ o	f perso	nnel post	s filled/p	lanned	for on fu	nded est	ablishn	nent			rate of	Average:
-		Number																person-	Salary
		of posts																nel	level/
	Number	on																posts	Total
	of	approved		Actual		Revise	ed estim	ate			Medi	um-term	expendit	ure est	imate			(%)	(%)
	funded	establish-																	
	posts	ment	2	2021/22		2	022/23		2	023/24		2	2024/25		2	2025/26		2022/23	- 2025/26
Human	Sciences	Research			Unit			Unit			Unit			Unit			Unit		
Council			Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary	420	420	464	255.4	0.6	420	283.6	0.7	463	297.5	0.6	463	310.7	0.7	463	324.7	0.7	3.3%	100.0%
level																			
1-6	128	128	157	62.5	0.4	128	27.3	0.2	142	42.4	0.3	142	46.6	0.3	142	50.4	0.4	3.5%	30.6%
7 – 10	216	216	219	111.0	0.5	216	142.0	0.7	193	108.6	0.6	193	113.6	0.6	193	117.4	0.6	-3.7%	44.1%
11 – 12	50	50	62	64.0	1.0	50	62.6	1.3	90	87.9	1.0	90	89.9	1.0	90	91.9	1.0	21.6%	17.6%
13 – 16	26	26	26	17.9	0.7	26	51.6	2.0	38	58.6	1.5	38	60.7	1.6	38	65.0	1.7	13.5%	7.7%

^{1.} Rand million.

National Research Foundation

Selected performance indicators

Table 35.28 National Research Foundation performance indicators by programme/objective/activity and related priority

Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforr	mance	Estimated performance	N	/ITEF targe	ts
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of grants awarded per year directed towards science engagement	Science engagement		_1	_1	55	120	130	140	145
Number of science engagement interventions implemented by research and science engagement infrastructure facilities across the national system of innovation per year	Science engagement	Priority 3: Education, skills and health	19	9	21	22	22	22	22
Number of postgraduate students funded by the National Research Foundation per year	Research and innovation support and advancement		11 167	11 093	7 414	6 308	5 554	5 466	5 451

Table 35.28 National Research Foundation performance indicators by programme/objective/activity and related priority (continued)

•	•		_ <i>.</i>			Estimated			
Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforn	nance	performance	N	/ITEF targe	ts
		. ,	2019/20	2020/21	2021/22	2022/23			2025/26
Number of	Research and innovation	Priority 3:	3 985	3 000	4 521	4 118	4 119	4 119	4 723
researchers funded	support and advancement	Education, skills							
by the National		and health							
Research Foundation									
per year									
Foreign income	National research infrastructure	Priority 2:	_1	R61.8m	R63.8m	R171.7m	R248.3m	R329.9m	R330.5m
derived from the	platforms	Economic							
National Research		transformation							
Foundation's		and job creation							
activities or									
operations per year									
Number of patient	National research infrastructure	Priority 3:	_1	147 000	167 500	225 000	300 000	350 000	350 000
doses generated from	platforms	Education, Skills							
radioisotopes		and Health							
produced by iThemba									
Labs per year									
Number of active	National research infrastructure		_1	_1	10	8	10	8	8
intellectual property	platforms								
products at the end									
of the relevant		Priority 2:							
reporting period per		Economic							
year		transformation							
Number of technical/	National research infrastructure	and job creation	_1	_1	30	28	29	28	28
policy briefs	platforms	and job creation							
produced by the									
National Research									
Foundation per year									

^{1.} No historical data available.

Entity overview

The National Research Foundation was established in terms of the National Research Foundation Act (1998), as amended. In terms of this legislation, the foundation is mandated to fund research, develop human resources and provide research facilities to enable knowledge creation, innovation and development in all fields of science and technology. It is also mandated to promote indigenous knowledge.

Over the MTEF period, the foundation will focus on implementing its 10-year strategy, Vision 2030. This involves interventions to catalyse transformation in the science and technology system through measures such as creating grant funding instruments that focus on women and black researchers; scaling up the development of a research and innovation workforce for renewing, regenerating and replenishing the cohort of South African researchers; establishing a transformed knowledge workforce with a greater diversity of people and ideas to lead the knowledge enterprise; and advancing the international competitiveness of the scientific workforce.

An estimated R5.4 billion over the MTEF period is allocated for capital expenditure. Included in this amount is R1.3 billion in new funding for major infrastructure investments for the Square Kilometre Array, which includes the science processing and regional centres, the science operations centre building, the engineering operations centre building, and fencing for the MeerKAT national park. Expenditure is expected to increase at an average annual rate of 5.3 per cent, from R4.3 billion in 2022/23 to R5 billion in 2025/26.

The foundation receives funding primarily through transfers from the department, which accounts for an estimated 88.6 per cent (R14.4 billion) of projected revenue over the MTEF period. These are expected to increase at an average annual rate of 1.5 per cent, from R4.3 billion in 2022/23 to R4.5 billion in 2025/26, due to the additional funding for infrastructure investments in the Square Kilometre Array. The remainder of the foundation's revenue is set to be derived through contract funding from other government departments and entities for specific projects and programmes, and income from sales and interest.

Programmes/Objectives/Activities

Table 35.29 National Research Foundation expenditure trends and estimates by programme/objective/activity

						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Mediun	n-term expe	nditure	rate	Total
	Aud	dited outcom	ne	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Administration	100.9	90.5	112.5	156.1	15.7%	2.8%	160.5	165.9	171.0	3.1%	3.4%
Science engagement	121.0	110.4	117.0	116.7	-1.2%	2.9%	123.8	127.9	132.1	4.2%	2.6%
Research and innovation	2 471.3	2 235.3	2 498.3	2 486.7	0.2%	59.9%	2 909.4	2 747.1	2 844.0	4.6%	57.7%
support and advancement											
National research	1 296.9	1 233.9	1 503.7	1 540.7	5.9%	34.4%	1 678.0	1 803.6	1 877.2	6.8%	36.2%
infrastructure platforms											
Total	3 990.2	3 670.1	4 231.5	4 300.2	2.5%	100.0%	4 871.7	4 844.5	5 024.3	5.3%	100.0%

Statements of financial performance, cash flow and financial position

Table 35.30 National Research Foundation statements of financial performance, cash flow and financial position

Table 35.30 National Res					p = •	Average:					Average:
oranga peneral					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	-term expen	diture	rate	Total
		Audited outco	me	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20		2023/24	2024/25	2025/26	2022/23 -	
Revenue					•		•		,		
Non-tax revenue	447.7	417.2	493.5	496.3	3.5%	11.1%	680.6	664.8	575.9	5.1%	11.4%
Sale of goods and services	82.1	69.8	94.8	101.8	7.4%	2.1%	110.8	130.1	161.1	16.5%	2.4%
other than capital assets											
Other non-tax revenue	365.6	347.4	398.7	394.5	2.6%	9.0%	569.8	534.7	414.8	1.7%	9.0%
Transfers received	3 496.5	3 157.1	3 972.8	4 334.2	7.4%	88.9%	5 244.9	4 654.6	4 526.8	1.5%	88.6%
Total revenue	3 944.3	3 574.2	4 466.4	4 830.4	7.0%	100.0%	5 925.5	5 319.4	5 102.7	1.8%	100.0%
Expenses											
Current expenses	1 590.5	1 542.9	1 809.6	1 904.9	6.2%	42.2%	2 088.0	2 227.6	2 331.8	7.0%	44.9%
Compensation of employees	763.3	822.7	801.3	1 033.9	10.6%	21.1%	1 115.4	1 209.7	1 275.6	7.3%	24.3%
Goods and services	553.5	447.1	756.1	553.7	_	14.2%	656.8	675.0	691.6	7.7%	13.5%
Depreciation	273.7	273.1	252.1	317.3	5.0%	6.9%	315.7	342.9	364.6	4.7%	7.0%
Interest, dividends and rent on	0.0	0.0	0.0	_	-100.0%	_	_	_	-	-	-
land											
Transfers and subsidies	2 399.7	2 127.2	2 422.0	2 395.3	-0.1%	57.8%	2 783.8	2 617.0	2 692.5	4.0%	55.1%
Total expenses	3 990.2	3 670.1	4 231.5	4 300.2	2.5%	100.0%	4 871.7	4 844.5	5 024.3	5.3%	100.0%
Surplus/(Deficit)	(45.9)	(95.9)	234.9	530.2	-326.1%		1 053.7	474.8	78.3	-47.1%	
Cash flow statement											
Cash flow from operating	403.9	167.7	348.3	807.7	26.0%	100.0%	1 345.3	806.4	428.7	-19.0%	100.0%
activities											
Receipts											
Non-tax receipts	129.9	109.7	87.2	180.8	11.7%	3.0%	146.8	176.2	196.6	2.8%	3.4%
Sales of goods and services	71.4	74.3	47.0	155.8	29.7%	2.0%	121.8	151.1	171.6	3.3%	2.9%
other than capital assets											
Other tax receipts	58.5	35.4	40.2	25.0	-24.7%	1.0%	25.0	25.0	25.0	-	0.5%
Transfers received	3 737.4	3 111.1	4 026.3	4 334.2	5.1%	90.3%	5 244.9	4 654.6	4 526.8	1.5%	89.1%
Financial transactions in	340.0	141.9	381.7	285.1	-5.7%	6.7%	504.7	460.5	362.6	8.4%	7.6%
assets and liabilities											
Total receipts	4 207.2	3 362.7	4 495.3	4 800.0	4.5%	100.0%	5 896.4	5 291.2	5 086.0	1.9%	100.0%
Payment											
Current payments	1 411.3	1 220.4	1 710.0	1 582.2	3.9%	39.0%	1 777.3	1 887.8	1 969.7	7.6%	40.8%
Compensation of employees	767.5	805.0	803.8	1 033.9	10.4%	22.7%	1 115.4	1 209.7	1 275.6	7.3%	26.2%
Goods and services	643.8	415.3	906.1	548.3	-5.2%	16.4%	661.9	678.1	694.1	8.2%	14.6%
Interest and rent on land		0.0	0.0	_	-	_			_	_	_
Transfers and subsidies	2 392.0	1 974.7	2 436.9	2 410.2	0.3%	61.0%	2 773.8	2 597.0	2 687.5	3.7%	59.2%
Total payments	3 803.3	3 195.0	4 146.9	3 992.4	1.6%	100.0%	4 551.1	4 484.8	4 657.3	5.3%	100.0%
Net cash flow from investing activities	(200.6)	(196.2)	(483.8)	(854.8)	62.1%	100.0%	(1 375.3)	(826.4)	(448.7)	-19.3%	100.0%
Acquisition of property, plant, equipment and intangible assets	(173.9)	(173.0)	(474.1)	(849.8)	69.7%	93.1%	(1 368.5)	(821.3)	(445.5)	-19.4%	99.4%
Acquisition of software and other intangible assets	(27.3)	(23.3)	(10.1)	(5.0)	-43.2%	7.0%	(6.7)	(5.1)	(3.2)	-14.2%	0.6%
Proceeds from the sale of property, plant, equipment and intangible assets	0.6	0.1	0.5	_	-100.0%	-0.1%	-	-	-	-	-
Net cash flow from financing activities	(0.0)	-	-	_	-100.0%	-	-	-	-	-	-
Repayment of finance leases	(0.0)	_	_	_	-100.0%	_	_	_	_	_	_
Net increase/(decrease) in	203.3	(28.5)	(135.5)	(47.1)	-161.4%	_	(30.0)	(20.0)	(20.0)	-24.9%	-0.6%
	_00.0	(20.5)	(233.3)	(-,,-)			,50.0,	,_0.0,	(20.0)	_4.570	0.070

Table 35.30 National Research Foundation statements of financial performance, cash flow and financial position (continued)

Statement of financial position					•	Average:			-		Average:
·					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	n-term expen	diture	rate	Total
		Audited outco	ome	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Carrying value of assets	2 553.9	2 470.6	2 700.4	3 237.9	8.2%	60.0%	4 297.4	4 780.9	4 865.0	14.5%	71.9%
of which:											
Acquisition of assets	(173.9)	(173.0)	(474.1)	(849.8)	69.7%	100.0%	(1 368.5)	(821.3)	(445.5)	-19.4%	100.0%
Investments	12.6	7.4	543.5	558.4	254.0%	5.9%	548.4	528.4	523.4	-2.1%	9.2%
Inventory	5.1	7.9	12.6	8.3	17.7%	0.2%	8.4	8.5	9.0	2.9%	0.1%
Receivables and prepayments	1 024.3	964.8	556.9	505.0	-21.0%	17.0%	496.5	476.5	466.0	-2.6%	8.3%
Cash and cash equivalents	861.1	832.6	697.1	650.0	-8.9%	16.8%	620.0	600.0	580.0	-3.7%	10.5%
Defined benefit plan assets	2.2	2.4	0.5	0.5	-39.3%	_	0.5	-	_	-100.0%	_
Total assets	4 459.2	4 285.8	4 510.9	4 960.0	3.6%	100.0%	5 971.1	6 394.3	6 443.4	9.1%	100.0%
Accumulated surplus/(deficit)	5.6	3.2	7.3	-	-100.0%	0.1%	-	-	1	-	_
Capital and reserves	114.4	104.2	105.2	105.2	-2.8%	2.4%	99.4	90.7	84.9	-6.9%	1.6%
Capital reserve fund	2 553.9	2 470.6	2 700.4	3 237.9	8.2%	60.0%	4 297.4	4 780.9	4 865.0	14.5%	71.9%
Deferred income	1 667.5	1 566.7	1 559.2	1 477.0	-4.0%	34.6%	1 439.4	1 390.7	1 363.5	-2.6%	24.2%
Trade and other payables	117.8	141.1	138.9	140.0	5.9%	3.0%	135.0	132.0	130.0	-2.4%	2.3%
Total equity and liabilities	4 459.2	4 285.8	4 510.9	4 960.0	3.6%	100.0%	5 971.1	6 394.3	6 443.4	9.1%	100.0%

Personnel information

Table 35.31 National Research Foundation personnel numbers and cost by salary level

	estim	r of posts ated for rch 2023			Nı	ımber an	d cost ¹ o	f perso	nnel post	s filled/p	lanned	for on fu	ınded est	ablishn	nent			Average growth rate of	
		Number						. р	, and									person-	Salary
		of posts																nel	level/
	Number	on															posts	Total	
	of	approved		Actual		Revis	ed estim	ate	Medium-term expenditure estimate							(%)	(%)		
	funded	establish-																	
	posts	ment	2	021/22			2022/23			2023/24			2024/25			2025/26		2022/23	- 2025/26
Nation	al Resear	ch			Unit			Unit			Unit			Unit			Unit		
Founda	ition		Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary	1 386	1 386	1 386	801.3	0.6	1 386	1 033.9	0.7	1 386	1 115.4	0.8	1 386	1 209.7	0.9	1 386	1 275.6	0.9	-	100.0%
level																			
1-6	210	210	210	36.5	0.2	210	55.9	0.3	210	59.8	0.3	210	64.8	0.3	210	68.3	0.3	-	15.2%
7 – 10	851	851	851	393.6	0.5	851	471.6	0.6	851	498.6	0.6	851	540.7	0.6	851	570.2	0.7	-	61.4%
11 – 12	213	213	213	193.3	0.9	213	265.5	1.2	213	296.6	1.4	213	321.7	1.5	213	339.2	1.6	-	15.4%
13 – 16	107	107	107	160.8	1.5	107	228.7	2.1	107	232.4	2.2	107	252.0	2.4	107	265.8	2.5	-	7.7%
17 – 22	5	5	5	17.1	3.4	5	12.2	2.4	5	28.0	5.6	5	30.4	6.1	5	32.1	6.4	-	0.4%

^{1.} Rand million.

South African National Space Agency

Selected performance indicators

Table 35.32 South African National Space Agency performance indicators by programme/objective/activity and related priority

	<u> </u>	<i>,</i> ,		<i>,</i> , ,					
Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforr	nance	Estimated performance		/ITEF targe	ts
		. ,	2019/20		2021/22	2022/23			2025/26
Number of students and interns supported for formalised training per year	Earth observation	Priority 3: Education, skills and health	54	60	50	70	90	90	90
Total revenue generated from space operation activities per year	Space operation	Priority 2: Economic transformation and job creation	R100m	R75.7m	R69m	R70m	R72m	R73m	R73m
Number of students and interns supported for formalised training per year	Space science	Priority 3: Education, skills and health	25	25	21	28	36	40	40
Number of joint initiatives undertaken through formal international partnerships per year		Priority 1: A capable, ethical and developmental state	_1	5	3	3	3	5	5

Table 35.32 South African National Space Agency performance indicators by programme/objective/activity and related priority (continued)

Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforr	mance	Estimated performance	N	∕ITEF targe	ts
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of joint initiatives undertaken through formal national partnerships per year		Priority 1: A capable, ethical	_1	_1	8	9	10	12	12
Number of awareness and training interventions to key users of space-related products and services per year	·	and developmental state	_1	9	5	5	5	8	8

^{1.} No historical data available.

Entity overview

The South African National Space Agency was established in terms of the South African National Space Agency Act (2008). The agency became operational in 2010 and is broadly required to promote the peaceful use of space, foster international cooperation in space-related activities, and facilitate the creation of an environment conducive to space technology and industrial development.

Space services provide an indispensable tool for the formulation of government decisions and policies by helping to provide knowledge on and address challenges in industries such as agriculture, water, energy, health, safety and security. Over the medium term, the agency will continue to focus on activities that ensure that these services are integrated into service delivery. Key among these is the space infrastructure hub project, where the agency plans to develop spacecraft and ground segment infrastructure to support deep space operations, earth observation and space science operations. The build phase to develop satellites is expected to begin in 2023/24 and operations in 2024/25. The agency is allocated an additional R775 million in 2023/24 and R434 million 2024/25 for this purpose.

The agency's expenditure is expected to decrease at an average annual rate of 16.5 per cent, from R563.4 million in 2022/23 to R327.5 million in 2025/26, due to one-off allocations of R774 million in 2023/24 and R434 million in 2024/25 for the space infrastructure hub project. As the agency relies on highly skilled professionals to fulfil its mandate, compensation of employees comprises an estimated 34.6 per cent (R651.4 million) of total spending over the period ahead.

Transfers from the department account for an estimated 75.2 per cent (R1.9 billion) of the agency's revenue over the period ahead, decreasing at an average annual rate of 11.9 per cent, from R343.8 million in 2022/23 to R235.4 million in 2025/26, as a result of the additional allocation for the space infrastructure hub project.

Programmes/Objectives/Activities

Table 35.33 South African National Space Agency expenditure trends and estimates by programme/objective/activity

						Average:		-			Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Mediun	n-term exper	nditure	rate	Total
	Aud	dited outcon	ne	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Administration	51.0	60.1	68.9	94.9	23.0%	20.4%	56.6	58.7	73.2	-8.3%	12.7%
Earth observation	68.1	66.5	66.7	122.4	21.6%	23.7%	158.9	379.5	73.6	-15.6%	25.1%
Space operation	88.9	81.6	91.5	134.6	14.8%	29.7%	264.5	150.9	76.2	-17.3%	21.9%
Space science	54.5	50.2	64.6	122.9	31.1%	20.7%	109.8	134.9	73.0	-16.0%	17.2%
Space engineering	5.8	4.6	7.0	88.6	148.5%	5.5%	516.8	186.5	31.5	-29.2%	23.1%
Total	268.3	263.1	298.7	563.4	28.1%	100.0%	1 106.7	910.5	327.5	-16.5%	100.0%

Statements of financial performance, cash flow and financial position

Table 35.34 South African National Space Agency statements of financial performance, cash flow and financial position

Table 35.34 South Africa		I Space Age	ncy state	ments of f	inancial p	erforman	ce, cash flo	ow and fina	incial posi	tion	
Statement of financial perform	ance					Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Mediu	n-term expen	diture	rate	Total
<u>-</u>		Audited outco	me	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Revenue											
Non-tax revenue	112.9	81.8	83.0	219.6	24.8%	32.1%	85.9	221.2	92.0	-25.2%	24.8%
Sale of goods and services	102.9	75.6	75.0	81.7	-7.4%	24.0%	80.8	216.1	86.7	2.0%	18.0%
other than capital assets											
Other non-tax revenue	10.0	6.1	8.0	137.9	139.6%	8.1%	5.1	5.1	5.4	-66.1%	6.8%
Transfers received	205.3	200.8	249.8	343.8	18.8%	67.9%	1 020.7	689.3	235.4	-11.9%	75.2%
Total revenue	318.2	282.5	332.8	563.4	21.0%	100.0%	1 106.7	910.5	327.5	-16.5%	100.0%
Expenses											
Current expenses	263.0	256.4	276.6	516.1	25.2%	94.9%	1 084.3	890.2	327.1	-14.1%	96.8%
Compensation of employees	125.1	130.5	155.4	174.6	11.7%	44.8%	199.1	249.7	202.6	5.1%	34.6%
Goods and services	115.6	104.2	101.2	341.5	43.5%	44.3%	885.2	640.5	124.5	-28.6%	62.2%
Depreciation	22.3	21.7	19.9	_	-100.0%	5.8%	_	_	_	-	_
Transfers and subsidies	5.3	6.7	22.1	47.3	107.2%	5.1%	22.3	20.3	0.3	-80.7%	3.2%
Total expenses	268.3	263.1	298.7	563.4	28.1%	100.0%	1 106.7	910.5	327.5	-16.5%	100.0%
Surplus/(Deficit)	49.9	19.4	34.1	_	-100.0%		_	_	_	-	
			· ·								l .
Cash flow statement											
Cash flow from operating	122.3	74.0	75.2	199.9	17.8%	100.0%	51.7	48.7	12.9	-59.9%	100.0%
activities											
Receipts											
Non-tax receipts	113.8	81.8	82.9	219.6	24.5%	32.1%	85.9	89.2	92.0	-25.2%	29.9%
Sales of goods and services	105.0	77.3	78.2	214.2	26.8%	30.5%	81.3	84.5	87.2	-25.9%	28.6%
other than capital assets											
Other sales	0.8	1.7	3.2	132.4	448.8%	6.3%	0.4	0.5	0.5	-84.6%	6.0%
Other tax receipts	8.8	4.4	4.7	5.5	-14.5%	1.7%	4.7	4.7	4.9	-3.9%	1.3%
Transfers received	205.3	200.8	249.8	343.8	18.8%	67.9%	245.7	255.3	226.1	-13.0%	70.1%
Total receipts	319.0	282.5	332.7	563.4	20.9%	100.0%	331.7	344.5	318.2	-17.3%	100.0%
Payment											
Current payments	196.7	208.6	257.4	363.5	22.7%	100.0%	280.0	295.8	305.3	-5.7%	100.0%
Compensation of employees	125.1	130.5	153.1	174.6	11.7%	58.4%	188.3	198.0	203.7	5.3%	62.2%
Goods and services	71.6	78.0	104.3	188.9	38.2%	41.6%	91.7	97.8	101.6	-18.7%	37.8%
Total payments	196.7	208.6	257.4	363.5	22.7%	100.0%	280.0	295.8	305.3	-5.7%	100.0%
Net cash flow from investing	(40.4)	(15.1)	(26.5)	(152.6)	55.8%	100.0%	(29.3)	(28.4)	(6.0)	-65.9%	100.0%
activities	(,	(2012)	(20.0)	(101.0)	55.676	200.075	(=5.5)	(=0,	(0.0)	00.070	200.070
Acquisition of property, plant,	(32.9)	(13.7)	(24.7)	(150.5)	66.0%	91.0%	(29.3)	(28.2)	(5.5)	-66.8%	97.4%
equipment and intangible	(===,	(==::,	(=)	(====,		02.070	(==:-)	(===)	(=:=)		
assets											
Acquisition of software and	(7.4)	(1.4)	(1.8)	(2.1)	-34.9%	9.0%	_	(0.2)	(0.5)	-37.6%	2.6%
other intangible assets	,	` ,	(- /	, ,				(- ,	(,		
Net increase/(decrease) in	81.9	58.8	48.7	47.3	-16.7%	19.4%	22.3	20.3	6.8	-47.5%	3.7%
cash and cash equivalents											
· · · · · · · · · · · · · · · · · · ·											
Statement of financial											
position											
Carrying value of assets	489.5	480.2	505.7	531.0	2.8%	62.6%	557.6	585.4	611.7	4.8%	60.4%
of which:											
Acquisition of assets	(32.9)	(13.7)	(24.7)	(150.5)	66.0%	100.0%	(29.3)	(28.2)	(5.5)	-66.8%	100.0%
Inventory	0.4	0.4	0.5	0.6	9.6%	0.1%	0.6	0.6	0.6	4.8%	0.1%
Receivables and prepayments	38.9	24.7	20.1	21.1	-18.4%	3.3%	22.2	23.3	24.4	4.8%	2.4%
Cash and cash equivalents	203.0	261.8	310.6	326.1	17.1%	34.0%	342.4	359.5	375.7	4.8%	37.1%
Total assets	731.9	767.1	837.0	878.8	6.3%	100.0%	922.8	968.9	1 012.3	4.8%	100.0%
Accumulated surplus/(deficit)	609.6	629.0	663.1	696.3	4.5%	80.9%	731.1	767.7	802.0	4.8%	79.2%
Borrowings	-	0.2	0.1	0.1	7.570	-	0.1	0.1	0.2	4.8%	, 5.270
Deferred income	90.3	101.2	114.1	119.9	9.9%	13.2%	125.8	132.1	138.1	4.8%	13.6%
Trade and other payables	23.4	26.0	37.0	38.8	18.4%	3.9%	40.8	42.8	44.7	4.8%	4.4%
Provisions	8.5	10.8	22.6	23.7	40.6%	2.0%	24.9	26.2	27.3	4.8%	2.7%
Total equity and liabilities	731.9	767.1	837.0	878.8	6.3%	100.0%	922.8	968.9	1 012.3	4.8%	100.0%
. otal equity and habilities	,31.3	707.1	337.0	0,0.0	0.5/0	100.070	322.0	500.5	1 012.3	7.0/0	100.070

Personnel information

Table 35.35 South African National Space Agency personnel numbers and cost by salary level

					_							•	•						
	Numbe	r of posts																Average	
	estima	ated for																growth	
	31 Mai	rch 2023			N	umber and	d cost ¹ of	f perso	nnel post	s filled/p	lanned	for on fu	nded est	ablishn	nent			rate of	Average:
_		Number																person-	Salary
		of posts																nel	level/
1	Number	on.											posts	Total					
	of	approved		Actual		Revise	Revised estimate Medium-term expenditure estimate							(%)	(%)				
		establish-					Nevised estimate iviedidin-term expenditure estimate								` '	. ,			
	posts	ment	2	2021/22		2	022/23		2	023/24		2	024/25		1 2	2025/26		2022/23	- 2025/26
South A	•	ational		•	Unit			Unit			Unit		•	Unit			Unit		
Space A			Number	Cost		Number	Cost		Number	Cost		Number	Cost		Number	Cost	cost		
Salary	206	206		155.4	0.8	203	174.6	0.9	219	199.1	0.9	250	249.7	1.0	207	202.6	1.0	0.7%	100.0%
•	200	206	206	155.4	0.8	203	1/4.0	0.9	219	199.1	0.9	250	249.7	1.0	207	202.0	1.0	0.7%	100.0%
level																			
1-6	6	6	6	1.2	0.2	6	0.8	0.1	6	0.9	0.1	6	0.9	0.2	6	1.0	0.2	-	2.7%
7 – 10	113	113	113	57.8	0.5	113	59.6	0.5	113	63.1	0.6	113	66.4	0.6	113	69.5	0.6	_	51.8%
11 – 12	26	26	26	22.7	0.9	26	23.4	0.9	27	26.0	1.0	27	27.3	1.0	26	27.3	1.0	-	12.1%
13 – 16	61	61	61	73.8	1.2	58	90.8	1.6	73	109.1	1.5	104	155.1	1.5	62	104.9	1.7	2.2%	33.4%

^{1.} Rand million.

Technology Innovation Agency

Selected performance indicators

Table 35.36 Technology Innovation Agency performance indicators by programme/objective/activity and related priority

						Estimated			
Indicator	Programme/Objective/Activity	MTSF priority	Audit	ed perforn	nance	performance	N	/ITEF target	s
			2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
Number of licensed or assigned technologies per year	Provide technology development funding and support in strategic high-impact areas		_1	6	9	15	20	25	25
Number of successfully diffused technologies per year	Provide technology development funding and support in strategic high-impact areas		_1	5	9	15	20	24	24
Number of products launched per year	Provide technology development funding and support in strategic high-impact areas		_1	21	22	28	29	36	36
Total value leveraged through signed agreements entered into with other parties per year	Provide an enabling environment for technology innovation	Priority 2: Economic transformation	_1	R1.37bn	R239m	R250m	R275m	R305m	R305m
Number of honours, masters and postdoctoral students admitted within technology station activities per year	Technology development stations	and job creation	_1	_1	95	121	130	150	153
Number of patents, publication outputs and knowledge-based products (such as prototypes, technology demonstrators and technology assistance packages) produced per year	Technology development stations		_1	49	130	149	165	180	180
Number of existing, operational and functional technology platforms per year	Provide bioeconomy programmes and platforms	Priority 3: Education, skills and health	_1	7	8	8	8	8	8

^{1.} No historical data available.

Entity overview

The Technology Innovation Agency draws its mandate from the Technology Innovation Agency Act (2008), as amended. The agency serves as the key institutional intervention to bridge the innovation gap between research and development outcomes from higher education institutions, science councils, public entities and private companies to maximise the potential of technological innovation for stimulating the economy.

Over the medium term, the agency will continue to focus on bridging the innovation gap between research and development; supporting technologies within the national system of innovation; scaling up all strategic programmes by increasing the pace at which applications and internal processes occur; creating a conducive environment for engaging with innovators, stakeholders and suppliers; adopting measures to support small, medium and micro enterprises in the sector; and increasing the participation of marginalised segments of society. To give effect to this focus, over the next 3 years, the agency aims to license 70 technological innovations, launch 101 products into the market and ensure that 24 technology innovations are operational and functional.

Transfers, mainly for supporting small, medium and micro enterprises with the commercialisation of innovative technologies, account for an estimated 72.7 per cent (R1.4 billion) of the agency's planned expenditure over the period ahead. Expenditure is set to increase at an average annual rate of 0.2 per cent, from R649.8 million in 2022/23 to R653.4 million in 2025/26. As human resources are central to the agency's operations, spending on compensation of employees accounts for an estimated 19.2 per cent (R367.5 million) of expenditure, increasing from R120.2 million in 2022/23 to R126.1 million in 2025/26 at an average annual rate of 1.6 per cent.

The agency receives most of its revenue through transfers from the department. These are set to increase at an average annual rate of 0.1 per cent, from R634.8 million in 2022/23 to R632.5 million in 2025/26.

Programmes/Objectives/Activities

Table 35.37 Technology Innovation Agency expenditure trends and estimates by programme/objective/activity

			•				<u> </u>				
						Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Mediun	n-term exper	nditure	rate	Total
	Aud	dited outcom	ne	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Administration	166.3	149.4	157.2	170.7	0.9%	26.3%	171.1	171.8	179.5	1.7%	27.3%
Provide customer-centric,	84.0	79.6	86.0	103.2	7.1%	14.4%	75.6	80.6	84.2	-6.6%	13.5%
early-stage											
commercialisation for											
technology development											
Provide an enabling	43.0	28.1	41.9	61.1	12.4%	7.0%	62.2	60.5	63.2	1.2%	9.7%
environment for technology											
innovation											
Provide bioeconomy	228.5	197.2	218.9	242.2	2.0%	36.2%	210.8	220.5	230.3	-1.7%	35.6%
programmes and platforms											
Technology development	98.0	114.4	107.3	72.7	-9.5%	16.2%	92.0	92.0	96.1	9.8%	13.9%
stations											
Total	619.7	568.7	611.3	649.8	1.6%	100.0%	611.7	625.4	653.4	0.2%	100.0%

Statements of financial performance, cash flow and financial position

Table 35.38 Technology Innovation Agency statements of financial performance, cash flow and financial position

Statement of financial perform	ance					Average:					Average:
					Average	Expen-				Average	Expen-
					growth	diture/				growth	diture/
				Revised	rate	Total	Medium	n-term expend	diture	rate	Total
_	ı	Audited outco	ome	estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20 2020/21 2021/22			2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Revenue											
Non-tax revenue	162.8	12.9	14.5	15.0	-54.8%	8.4%	16.0	20.0	20.9	11.7%	2.8%
Other non-tax revenue				15.0	-54.8%	8.4%	16.0	20.0	20.9	11.7%	2.8%
Transfers received				634.8	12.9%	91.6%	595.7	605.4	632.5	-0.1%	97.2%
Total revenue				649.8	2.5%	100.0%	611.7	625.4	653.4	0.2%	100.0%
Expenses											
Current expenses	166.3	149.4	157.2	170.7	0.9%	26.3%	171.1	171.8	179.5	1.7%	27.3%
Compensation of employees	109.0	101.1	107.9	120.2	3.3%	17.9%	120.7	120.7	126.1	1.6%	19.2%
Goods and services	51.1	43.9	45.7	43.9	-4.9%	7.5%	44.4	45.1	47.1	2.4%	7.1%
Depreciation	6.2	4.5	3.6	6.6	2.1%	0.8%	6.0	6.0	6.3	-1.6%	1.0%
Transfers and subsidies				479.1	1.9%	73.7%	440.6	453.6	473.9	-0.4%	72.7%
Total expenses	s 619.7 568.7 611.3			649.8	1.6%	100.0%	611.7	625.4	653.4	0.2%	100.0%
Surplus/(Deficit)	(16.0)	14.0	22.6	-	-100.0%		-	-	-	-	

Table 35.38 Technology Innovation Agency statements of financial performance, cash flow and financial position (continued)

Table 35.38 Technology	Innovation	Agency st	atements	of financia	al perforr	nance, cas	in flow and	financial	position (d	continued	1)
Cash flow statement						Average:					Average:
					Average	Expen-				Average	Expen-
				growth	diture/			growth	diture/		
				Revised	rate	Total		n-term expen	rate	Total	
_		Audited outco		estimate	(%)	(%)		estimate		(%)	(%)
R million	2019/20	2020/21	2021/22	2022/23	2019/20 -	2022/23	2023/24	2024/25	2025/26	2022/23 -	2025/26
Cash flow from operating	(152.2)	(124.9)	(164.7)	0.0	-101.1%	100.0%	(0.0)	(0.0)	(0.0)	-220.2%	100.0%
activities											
Receipts											
Non-tax receipts	10.5	6.5	8.0	10.5	-	1.9%	10.5	13.5	14.1	10.3%	2.5%
Other tax receipts	10.5	6.5	8.0	10.5	-	1.9%	10.5	13.5	14.1	10.3%	2.5%
Transfers received	451.0	408.8	447.7	458.4	0.5%	97.4%	460.1	480.8	502.3	3.1%	96.4%
Financial transactions in	3.5	1.4	2.6	4.5	8.6%	0.7%	5.5	6.5	6.8	14.7%	1.2%
assets and liabilities											
Total receipts	465.0	416.7	458.3	473.4	0.6%	100.0%	476.1	500.8	523.2	3.4%	100.0%
Payment											
Current payments	241.1	133.4	173.3	170.7	-10.9%	31.9%	171.1	171.8	179.5	1.7%	35.1%
Compensation of employees	109.0	101.1	107.7	120.2	3.3%	19.8%	120.7	120.7	126.1	1.6%	24.7%
Goods and services	132.1	32.4	65.6	50.5	-27.4%	12.1%	50.4	51.1	53.4	1.9%	10.4%
Transfers and subsidies	376.0	408.2	449.8	302.7	-7.0%	68.1%	305.0	329.0	343.8	4.3%	64.9%
Total payments	617.2	541.6	623.1	473.4	-8.5%	100.0%	476.1	500.8	523.2	3.4%	100.0%
Net cash flow from investing	2.6	(0.4)	3.7	_	-100.0%	_	_	_	_	_	_
activities		` '									
Acquisition of property, plant,	(1.9)	(1.3)	(1.4)	_	-100.0%	_	_	_	_	-	_
equipment and intangible	` '	` '	` ,								
assets											
Acquisition of software and	(0.7)	(0.2)	_	_	-100.0%	_	_	_	_	_	_
other intangible assets	(011)	()									
Proceeds from the sale of	_	_	0.1	_	_	_	_	_	_	_	_
property, plant, equipment											
and intangible assets											
Other flows from investing	5.1	1.1	5.0	_	-100.0%	_	_	_	_	_	_
activities	5.1		5.0		100.070						
Net cash flow from financing	127.9	222.3	355.3	_	-100.0%	_	_	_	0.0	-	_
activities			555.5		200.070				5.5		
Deferred income	143.3	222.3	355.3	_	-100.0%	-	_	_	0.0	-	_
Borrowing activities	(15.4)		-	_	-100.0%	_	_	_	-	_	_
Net increase/(decrease) in	(21.7)	97.0	194.3	0.0	-102.1%	11.3%	(0.0)	(0.0)	(0.0)	-156.2%	_
cash and cash equivalents	(22.7)	37.0	154.5	0.0	102.170	11.570	(0.0)	(0.0)	(0.0)	130.1270	
Statement of financial position											
Carrying value of assets	13.1	8.5	5.9	18.6	12.3%	6.4%	20.6	23.0	24.0	8.9%	16.6%
of which:						5.1,5				0.070	
Acquisition of assets	(1.9)	(1.3)	(1.4)	_	-100.0%	_	_	_	_	-	_
Investments	9.3	12.5	9.2	3.0	-31.4%	3.3%	3.0	3.0	3.1	1.5%	2.3%
Loans	34.7	25.4	23.9	23.3	-12.4%	12.4%	23.3	23.3	24.3	1.5%	18.2%
Receivables and prepayments	4.8	4.5	7.9	4.1	-5.0%	2.2%	4.3	4.5	4.7	4.7%	3.4%
Cash and cash equivalents	147.5	242.0	436.2	71.9	-21.3%	75.7%	75.1	78.9	82.4	4.7%	59.5%
Total assets	209.5	293.0	483.1	121.0	-16.7%	100.0%	126.4	132.7	138.7	4.7%	100.0%
Accumulated surplus/(deficit)	66.2	80.1	102.7	72.5	3.1%	35.0%	75.8	79.6	83.2	4.7%	60.0%
Capital reserve fund	88.4	80.1 147.2	330.8	72.5 26.1	-33.4%	45.6%	75.8 27.3	79.6 28.7	29.9	4.7%	21.6%
Finance lease	88.4 0.3	0.2	0.1	0.5	-33.4% 17.9%	0.2%	27.3 0.6	28.7 0.6	0.6	4.7%	0.4%
		65.0	49.2		-26.5%						17.7%
Trade and other payables Derivatives financial	53.9	0.4	-	21.4		19.0%	22.4 0.4	23.5 0.4	24.6 0.4	4.7%	
	0.7	0.4	0.2	0.3	-22.9%	0.2%	0.4	0.4	0.4	4.7%	0.3%
Instruments	300 F	202.0	402.4	434.0	10 704	100.007	126.4	122.7	430 =	4 70/	100.007
Total equity and liabilities	209.5	293.0	483.1	121.0	-16.7%	100.0%	126.4	132.7	138.7	4.7%	100.0%

Personnel information

Table 35.39 Technology Innovation Agency personnel numbers and cost by salary level

Table 55.55 Technology innovation Agency personner numbers and cost by salary level																			
	Numbe	r of posts																Average	
	estima	imated for										growth							
	31 Ma	rch 2023	Number and cost ¹ of personnel posts filled/planned for on funded establish									ablishn	nent		rate of	Average:			
_		Number																person-	Salary
		of posts																nel	level/
1	Number	on																posts	Total
	of	approved		Actual		Revised estimate				Medium-term expenditure estimate									(%)
	funded	establish-																	
	posts	ment	2021/22			2022/23			2023/24				2024/25 2025/2			2025/26		2022/23 - 2025/26	
Technology Innovation					Unit			Unit			Unit			Unit			Unit		
Agency			Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost	Number	Cost	cost		
Salary	158	178	153	107.9	0.7	153	120.2	0.8	155	120.7	0.8	160	120.7	0.8	165	126.1	0.8	2.5%	100.0%
level																			
1-6	18	19	26	2.8	0.1	18	2.3	0.1	19	2.3	0.1	44	6.6	0.2	47	6.9	0.1	37.7%	20.0%
7 – 10	74	74	75	40.0	0.5	74	41.4	0.6	75	41.4	0.6	85	53.5	0.6	85	55.9	0.7	4.7%	50.3%
11 – 12	36	51	27	28.7	1.1	34	31.4	0.9	34	31.4	0.9	22	23.2	1.1	22	24.3	1.1	-13.5%	17.8%
13 – 16	29	33	24	34.3	1.4	27	42.4	1.6	27	42.9	1.6	6	32.7	5.5	7	34.2	4.9	-36.2%	10.8%
17 – 22	1	1	1	2.3	2.3	-	2.8	-	_	2.8	-	3	4.6	1.5	4	4.8	1.2	_	1.1%

1. Rand million.