Science and Innovation

Adjusted budget summary

		2021/22							
		Adjustments a	ppropriation	Adjusted					
R thousand	Appropriation	Decrease	Increase	appropriation					
Amount to be appropriated	8 933 315	-	72 323	9 005 638					
of which:									
Current payments	566 468	_	2 823	569 291					
Transfers and subsidies	8 363 994	_	67 000	8 430 994					
Payments for capital assets	2 853	_	2 500	5 353					
Executive authority	Minister of Science and Innova	ition							
Accounting officer	Director-General of Science an	d Innovation							
Website	www.dst.gov.za	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.

Performance

Indicator	Programme	MTSF priority	Ar	nual performance	
			Projected for 2021/22	Achieved in the first half of 2021/22 (April to September)	Changed target for 2021/22
Number of commercial outputs in designated areas per year	Technology Innovation	Priority 2: Economic transformation and job creation	4	0	_
Number of international resource leveraging engagements undertaken by the department per year	International Cooperation and Resource	Priority 7: A better Africa and world	43	22	-
Number of doctoral students awarded bursaries per year, as reflected in reports from the National Research Foundation and relevant entities	Research, Development and Support		2 000	2 373	-
Number of pipeline postgraduate students (BTech, honours and masters students) awarded bursaries per year, as reflected in reports from the National Research Foundation and relevant entities	Research, Development and Support		6 200	4 920	-
Number of researchers awarded research grants per year through programmes managed by the National Research Foundation as reflected in the foundation's project reports	Research, Development and Support	Priority 3: Education, skills and health	3 000	2 550	-
Number of knowledge and innovation products (patents, prototypes, technology demonstrators or technology transfer packages) added to the intellectual property portfolio through fully funded or co-funded research initiatives per year	Socioeconomic Innovation Partnerships		60	9	-

Progress

The annual target for the number of commercial outputs in designated areas is expected to be achieved in the second half of 2021/22. Because administrative delays in 2020/21 resulted in funds being carried over to 2021/22, the National Research Foundation was able to support more doctoral students, postgraduate students and researchers than anticipated in the first half of 2021/22. By mid-year, only 9 knowledge and

innovation products had been added to the intellectual property portfolio against an annual target of 60. This slow progress was due to a lack of industrially relevant knowledge and innovation products in the market over the period.

Adjusted estimates

Programme					2021/2	22			
					Adjustmen	ts appropri	ation		
			Amounts announced			Declared		Total	
		Roll-		Virements		unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget		votes	funds	adjustments	appropriation	appropriation
Administration	328 196	_	_	4 000	-	_	2 528	6 528	334 724
Technology Innovation	1 780 222	-	_	(75 700)	-	-	767	(74 933)	1 705 289
International Cooperation and Resources	146 625	-	-	(3 000)	_	_	791	(2 209)	144 416
Research, Development and Support	4 949 244	-	-	45 810	-	-	578	46 388	4 995 632
Socioeconomic Innovation Partnerships	1 729 028	-	67 000	28 890	-	-	659	96 549	1 825 577
Total	8 933 315	_	67 000	_	-	_	5 323	72 323	9 005 638
Economic classification									
Current payments	566 468	-	_	(2 500)	-	-	5 323	2 823	569 291
Compensation of employees	358 003	-	-	-	-	-	5 323	5 323	363 326
Goods and services	208 465	_	_	(2 500)	_	_	_	(2 500)	205 965
Transfers and subsidies	8 363 994	_	67 000	_	_	_	_	67 000	8 430 994
Departmental agencies and accounts	6 374 258	-	67 000	79 329	-	-	_	146 329	6 520 587
Public corporations and private enterprises	1 593 652	-	-	(81 329)	-	-	-	(81 329)	1 512 323
Non-profit institutions	396 084	_	_	2 000	_	_	_	2 000	398 084
Payments for capital assets	2 853	-	-	2 500	-	-	_	2 500	5 353
Machinery and equipment	2 853	-	-	2 500	-	-	-	2 500	5 353
Total	8 933 315		67 000	_			5 323	72 323	9 005 638

Programme 1: Administration

Subprogramme					2021/	22			
				ı	Adjustmen	ts appropri	ation		
			Amounts						
			announced			Declared		Total	
		Roll-	in	Virements		unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Ministry	5 515	_	_	-	_	-	82	82	5 597
Institutional Planning and	169 004	_	_	-	-	-	1 288	1 288	170 292
Support									
Corporate Services	148 119	_	-	4 000	-	-	1 158	5 158	153 277
Office Accommodation	5 558	_	-	_	-	-	_	_	5 558
Total	328 196	-	-	4 000	-	-	2 528	6 528	334 724
Economic classification									
Current payments	310 079	_	-	1 500	-	-	2 528	4 028	314 107
Compensation of employees	170 010	-	_	_	_	-	2 528	2 528	172 538
Goods and services	140 069	-	-	1 500	-	-	_	1 500	141 569
Transfers and subsidies	15 264	_	-	_	-	-	_	_	15 264
Non-profit institutions	15 264	_	-	-	-	-	_	_	15 264
Payments for capital assets	2 853	-	-	2 500	-	-	_	2 500	5 353
Machinery and equipment	2 853	_	-	2 500	_	_	_	2 500	5 353
Total	328 196	_	_	4 000			2 528	6 528	334 724

Programme 2: Technology Innovation

Subprogramme					2021/	22			
				A	djustment	ts appropri	ation		
			Amounts						
			announced			Declared		Total	
Bullianian		Roll-	in			unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Space Science	249 162	_	_	30 890	-	-	168	31 058	280 220
Hydrogen and Energy	188 159	_	_	-	-	-	118	118	188 277
Bio-innovation	203 875	_	_	-	-	-	204	204	204 079
Innovation Priorities and Instruments	1 079 649	-	-	(108 590)	-	-	94	(108 496)	971 153
National Intellectual Property Management Office	54 671	-	-	2 000	-	-	138	2 138	56 809
Office of the Deputy Director-General:	4 706	-	-	-	-	-	45	45	4 751
Technology Innovation Total	1 780 222	_	_	(75 700)			767	(74 933)	1 705 289
	1 700 222	_		(75 700)			707	(74 933)	1 /03 283
Economic classification									
Current payments	74 775	_					767	767	75 542
Compensation of employees	51 623	_	_	-	-	-	767	767	52 390
Goods and services	23 152	_		-	_	_		_	23 152
Transfers and subsidies	1 705 447	Ι	-	(75 700)	-	-	_	(75 700)	1 629 747
Departmental agencies and accounts	1 265 772	-	-	(70 000)	-	-	_	(70 000)	1 195 772
Public corporations and private enterprises	116 689	-	-	(7 700)	-	-	-	(7 700)	108 989
Non-profit institutions	322 986	-	_	2 000	_	_	_	2 000	324 986
Total	1 780 222	_	_	(75 700)	_	_	767	(74 933)	1 705 289

Programme 3: International Cooperation and Resources

Subprogramme					2021/2	22			
				ļ	Adjustment	ts appropri	ation		
			Amounts						
			announced			Declared		Total	
		Roll-	in	Virements	between	unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	tunds	adjustments	appropriation	appropriation
Multilateral Cooperation and Africa	32 057	_	-	(3 000)	_	-	225	(2 775)	29 282
International Resources	66 843	_	_	_	_	_	239	239	67 082
Overseas Bilateral Cooperation	42 756	-	-	-	-	-	272	272	43 028
Office of the Deputy Director-General: International Cooperation and Resources	4 969	_	-	-	-	-	55	55	5 024
Total	146 625	_	_	(3 000)	_	_	791	(2 209)	144 416
Economic classification									
Current payments	72 121	-	-	(3 000)	_	_	791	(2 209)	69 912
Compensation of employees	53 217	-	-	-	-	_	791	791	54 008
Goods and services	18 904	-	-	(3 000)	_	_	_	(3 000)	15 904
Transfers and subsidies	74 504	-	_	_	_	_	_	_	74 504
Departmental agencies and accounts	16 670	-	-	-	-	-	-	_	16 670
Non-profit institutions	57 834	_	_	_	_	_	_	_	57 834
Total	146 625	_	_	(3 000)	_	_	791	(2 209)	144 416

Programme 4: Research, Development and Support

Subprogramme					2021/2	22			
				ı	Adjustment	ts appropri	ation		
			Amounts announced			Declared		Total	
		Roll-	in			unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Human Capital and Science Promotions	2 693 344	_	-	18 000	-	-	170	18 170	2 711 514
Science Missions	249 773	-	-	(65 000)	-	-	168	(64 832)	184 941
Basic Science and Infrastructure	1 147 623	-	-	(105 957)	_	-	107	(105 850)	1 041 773
Astronomy	854 553	_	-	198 767	_	_	87	198 854	1 053 407
Office of the Deputy Director-General: Research, Development and Support	3 951	_	-	_	-	-	47	47	3 998
Total	4 949 244	_	_	45 810	_	_	578	46 388	4 995 632
Economic classification									
Current payments	55 245	_	_	(4 000)	_	_	578	(3 422)	51 823
Compensation of employees	38 853	-	-	-	-	-	578	578	39 431
Goods and services	16 392	_	-	(4 000)	_	_	_	(4 000)	12 392
Transfers and subsidies	4 893 999	-	_	49 810	_	_	_	49 810	4 943 809
Departmental agencies and accounts	4 621 878	-	-	84 810	-	-	_	84 810	4 706 688
Public corporations and private enterprises	272 121	-	_	(35 000)	-	-	_	(35 000)	237 121
Total	4 949 244		_	45 810	_	_	578	46 388	4 995 632

Programme 5: Socioeconomic Innovation Partnerships

Subprogramme					2021/2	22			
					Adjustment	ts appropri	ation		
			Amounts						
			announced		Shifts	Declared		Total	
		Roll-	in	Virements	between	unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Sector Innovation and	1 065 992	-	57 000	(2 661)	_	_	129	54 468	1 120 460
Green Economy									
Innovation for Inclusive	374 883	_	_	28 836	_	_	170	29 006	403 889
Development									
Science and Technology	35 626	-	_	(285)	_	_	114	(171)	35 455
Investment									
Technology Localisation,	249 180	_	10 000	_	_	-	206	10 206	259 386
Beneficiation and									
Advanced Manufacturing									
Office of the Deputy	3 347	-	_	3 000	_	_	39	3 039	6 386
Director-General:									
Socioeconomic Innovation									
Partnership									
Total	1 729 028	_	67 000	28 890	-	_	659	96 549	1 825 577
Economic classification									
Current payments	54 248	-	_	3 000	_	_	659	3 659	57 907
Compensation of	44 300	_	_	_	-	_	659	659	44 959
employees									
Goods and services	9 948	_	_	3 000	_	_	_	3 000	12 948
Transfers and subsidies	1 674 780	_	67 000	25 890	-	-	_	92 890	1 767 670
Departmental agencies	469 938	_	67 000	64 519	_	_	_	131 519	601 457
and accounts									
Public corporations and	1 204 842	_	_	(38 629)	_	-	_	(38 629)	1 166 213
private enterprises									
Total	1 729 028	_	67 000	28 890	_	_	659	96 549	1 825 577

Details of adjustments to the 2021 Estimates of National Expenditure

Appropriation of expenditure earmarked in the 2021 Budget speech for future allocation

Programme 5: Socioeconomic Innovation Partnerships

An additional R67 million is allocated as part of the presidential youth employment intervention. Of this: R25 million is to provide training to 450 graduates and 50 community mentors as environmental champions to conduct door-to-door community education and awareness campaigns in partnership with the Duzi Umngezi Conversation Trust; R32 million is to appoint 900 unemployed graduates through the Water Research Commission's water graduate employment programme, aimed at improving employment readiness in the water sector; and R10 million is to provide training to 250 graduates at the Council for Scientific and Industrial Research, who will support the council in various fields.

Virements and shifts within the vote

Programmes

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

From:			To:		
Programme by			Programme by		
economic classification	Motivation	R thousand	economic classification	Motivation	R thousand
Programme 2		(142 453)	Programme 2		64 753
Non-profit institutions	Medical Research	(33 863)	Non-profit institutions	Network for Genomic	33 863
	Council ¹			Surveillance and mRNA	
				technology transfer hub ¹	
Departmental agencies	Technology Innovation	(30 890)	Departmental agencies	South African National	30 890
and accounts	Agency		and accounts	Space Agency (Space	
				Weather Centre) ²	
			Programme 4		70 000
		$(70\ 000)^1$	Departmental agencies	National Research	70 000
			and accounts	Foundation (Square	
				Kilometre Array) ¹	
Public corporations and	Council for Scientific and	(2 000)	Programme 2		2 000
rivate enterprises	Industrial Research ²		Non-profit institutions	Technology utilisation initiative programme ²	2 000
	Green nanochemistry	(5 700)	Programme 4		5 700
	(University of the		Departmental agencies	National Research	5 700
	Western Cape),		and accounts	Foundation (Square	
	nanomedicine platform			Kilometre Array)1	
	(Tshwane University of				
	Technology/Nelson				
	Mandela University) ¹				
, ,	me as a percentage of the	3.7%			
programme budget					
	ammes as a percentage of the	4.3%			
Programme 3		(3 000)	Programme 5		3 000
Goods and services	Postponement of science	(3 000)	Goods and services	Enterprise project	3 000
Goods and services	forum	(3 000)	Goods and services	management office	3 000
Shifts within the program		0%		a.agement office	I.
programme budget	and the personnage of the	0,0			
	ammes as a percentage of	2%			
the programme budget		2,0			
the programme budget					

Virements and shifts within the vote (continued)

From:			То:		
Programme by			Programme by		
economic classification	Motivation	R thousand	economic classification	Motivation	R thousand
Programme 4		(189 957)	Programme 1		4 000
Good and services	Travel and subsistence	(1 500)	Goods and services	Audit costs	1 500
		(2 500)	Machinery and	Computers, vehicles	2 500
			equipment		
			Programme 4		125 067
Departmental agencies	National Research	(105 067)	Departmental agencies	National Research	105 067
and accounts	Foundation ¹		and accounts	Foundation (Square	
				Kilometre Array)1	
		(20 000) ²	Departmental agencies	Human resource	20 000
			and accounts	development (centres of	
				excellence) ²	
		(25 890) ²	Programme 5		25 890
			Departmental agencies	Innovation for inclusive	25 890
			and accounts	development ²	
Public corporations and	Council for Scientific and	(35 000)	Departmental agencies	National Research	35 000
private enterprises	Industrial Research ¹		and accounts	Foundation (Square	
				Kilometre Array)1	
Shifts within the programn	ne as a percentage of the	3.2%			
programme budget					
Virements to other progra	mmes as a percentage of	0.6%			
the programme budget					
Programme 5			Programme 5		
Departmental agencies	National Research	(2 946)	Departmental agencies	Technology product	2 946
and accounts	Foundation ²		and accounts	development, prototyping,	
				commercialisation and	
				market entry ²	
Public corporations and	Council for Scientific and	(38 629) ²	Departmental agencies	Technology stations	38 629
private enterprises	Industrial Research ²		and accounts	programme ²	
Shifts within the programn	ne as a percentage of the	2.4%			
programme budget					
Virements to other progra	mmes as a percentage of	0%			
the programme budget					
Total		(376 985)			376 985

^{1.} Only the legislature may approve this virement in terms of the Public Finance Management Act, (Act 1 of 1999).

Other adjustments - R5.323 million

Significant and unforeseeable economic and financial events

An additional R5.323 million is allocated for higher salary increases than the main budget provided for:

Programme 1: Administration

R2.528 million

Programme 2: Technology Innovation

R767 000

Programme 3: International Cooperation and Resources

R791 000

Programme 4: Research, Development and Support

R578 000

Programme 5: Socioeconomic Innovation Partnership

R659 000

^{2.} National Treasury approval has been obtained.

Expenditure outcome for 2020/21 and actual expenditure for 2021/22

Programme			2020)/21			2021/2	22	
			Outc	ome				Actual ex	penditure
			Apr 20 -		Apr 20 -				Apr 21 -
			Sep 20		Mar 21				Sep 21
			% of		% of		Adjusted		% of
	Adjusted	Apr 20 -	adjusted	Apr 20 -	adjusted		appropriation/	Apr 21 -	adjusted
R thousand	appropriation		appropriation		appropriation		Total (%)		appropriation
Administration	304 107	107 641	35.4	262 240	86.2	334 724	3.7	127 681	38.1
Technology Innovation	1 378 321	653 262	47.4	1 379 841	100.1	1 705 289	18.9	490 142	28.7
International Cooperation and Resources	116 802	30 558	26.2	114 229	97.8	144 416	1.6	37 123	25.7
Research, Development and Support	3 745 248	2 056 241	54.9	3 730 976	99.6	4 995 632	55.5	3 024 290	60.5
Socioeconomic Innovation Partnerships	1 733 809	864 306	49.9	1 677 979	96.8	1 825 577	20.3	926 749	50.8
Total	7 278 287	3 712 008	51.0	7 165 265	98.4	9 005 638	100.0	4 605 985	51.1
Economic classification	7 270 207	3712 000	31.0	7 103 203	30.4	3 003 030	100.0	4 003 303	
Current payments	506 974	196 080	38.7	428 954	84.6	569 291	6.3	217 910	38.3
Compensation of employees	361 993	155 192	42.9	321 938	88.9	363 326	4.0	163 535	45.0
Goods and services	144 981	40 888	28.2	107 016	73.8	205 965	2.3	54 375	26.4
Transfers and subsidies	6 767 909	3 514 799	51.9	6 729 702	99.4	8 430 994	93.6	4 386 030	52.0
Departmental agencies and accounts	5 131 832	2 839 772	55.3	4 721 326	92.0	6 520 587	72.4	3 684 103	56.5
Higher education institutions	-	-	-	252 948	-	-	-	47 589	-
Public corporations and private enterprises	1 256 636	520 010	41.4	1 495 783	119.0	1 512 323	16.8	545 724	36.1
Non-profit institutions	379 441	154 703	40.8	259 117	68.3	398 084	4.4	108 247	27.2
Households	_	314	-	528	_	-	-	367	_
Payments for capital assets	3 404	1 061	31.2	6 062	178.1	5 353	0.1	1 964	36.7
Machinery and equipment	3 404	1 061	31.2	-	-	5 353	0.1	1 964	36.7
Software and other intangible assets	_	-	-	6 062	_	-	-	_	_
Payments for financial assets	-	68	-	547	-	-	-	81	_
Total	7 278 287	3 712 008	51.0	7 165 265	98.4	9 005 638	100.0	4 605 985	51.1

Expenditure trends

Total expenditure in 2020/21 was R7.2 billion, 98.4 per cent of the adjusted appropriation for the year. Mid-year expenditure in 2020/21 was R3.7 billion, 51 per cent of the adjusted appropriation, whereas expenditure in the first half of 2021/22 was R4.6 billion, 51.1 per cent of the adjusted appropriation of R9 billion. Compared to the first half of 2020/21, expenditure over the same period in 2021/22 increased by R894 million, 24.1 per cent. This was mainly due to an increase in the number of research and development initiatives conducted as COVID-19 lockdown restrictions were eased.

Departmental receipts

			2020)/21				2021/22		
•			Outco	ome					Actual r	eceipts
			Apr 20 -		Apr 20 -					Apr 21 -
			Sep 20		Mar 21			Adjusted		Sep 21
			% of		% of			receipts		% of
	Adjusted	Apr 20 -	adjusted	Apr 20 -	adjusted	Budget	Adjusted	estimate/	Apr 21 -	adjusted
R thousand	estimate	Sep 20	estimate	Mar 21	estimate	estimate	estimate	Total (%)	Sep 21	estimate
Departmental	2 076	1 570	75.6	2 241	107.9	583	897	100.0	508	56.6
receipts										
Sales of goods and	60	34	56.7	69	115.0	60	60	6.7	35	58.3
services produced by										
department										
Sales of scrap, waste,	3	2	66.7	2	66.7	3	5	0.6	2	40.0
arms and other used										
current goods										
Interest, dividends	10	1	10.0	13	130.0	20	32	3.6	19	59.4
and rent on land										
Transactions in	2 003	1 533	76.5	2 157	107.7	500	550	61.3	218	39.6
financial assets and										
liabilities										
Total	2 076	1 570	75.6	2 241	107.9	583	897	100.0	508	56.6

Revenue trends

Mid-year revenue in 2020/21 was R1.6 million, 75.6 per cent of the adjusted estimate, whereas revenue for the first half of 2021/22 was R508 000, 56.6 per cent of the adjusted estimate of R897 000. Compared to the first half of 2020/21, revenue over the same period in 2021/22 decreased by R1.1 million, 67.6 per cent. This was mainly due to a decrease in revenue from projects run by entities as a result of COVID-19. Entities spent more of their ring-fenced funds in 2021/22 for projects undertaken on behalf of the department than they did in 2020/21, resulting in fewer surplus funds being surrendered to the department.

Changes to transfers and subsidies, including conditional grants

Summary of changes to transfers and subsidies per programme

	2021/22								
				J	Adjustmen		1		
			Amounts announced		Shifts	Declared		Total	
		Roll-	in	Virements	between	unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Technology Innovation									
Departmental agencies									
and accounts									
Departmental agencies									
(non-business entities)									
Current	535 734	_	_	(70 000)	_	_	_	(70 000)	465 734
Various institutions:	503 295	_	_	(100 890)	_	_	_	(100 890)	402 405
Innovation projects									
research									
Various institutions:	32 439	-	_	30 890	-	-	_	30 890	63 329
Space science research:									
Economic									
competitiveness and									
support package									
Public corporations and									
private enterprises									
Public corporations									
Other transfers									
Current	116 689			(7 700)				(7 700)	108 989
Various institutions:	116 689	_		(7 700)	_	_	-	(7 700)	108 989
Emerging research areas									

Summary of changes to transfers and subsidies per programme (continued)

Summary of changes	s to transfers and subsidies per programme (continued)								
		2021/22							
		Adjustments appropriation							
			Amounts						
			announced			Declared		Total	
D.I.		Roll-	in			unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Non-profit institutions									
Current	130 511			2 000	_	_	_	2 000	132 511
Various institutions:	53 648	_	_	33 863	_	_	_	33 863	87 511
Health innovation									
research	42.000			2 000				2,000	45.000
Various institutions:	43 000	_	_	2 000	_	_	_	2 000	45 000
Technology transfer offices: Support for									
research units									
Medical Research	33 863	_	_	(33 863)	_	_	_	(33 863)	_
Council: Social Impact	33 803			(33 803)				(33 803)	
Bond									
Research, Development									
and Support									
Departmental agencies									
and accounts									
Departmental agencies									
(non-business entities)									
Current	1 258 691	_	_	(60 000)	_	_	_	(60 000)	1 198 691
Various institutions:	40 623	_	_	(15 000)	_	_	_	(15 000)	25 623
Astronomy research and				(/				(,	
development									
National Research	982 897	_	_	20 000	_	_	_	20 000	1 002 897
Foundation: Human									
resources development									
for science and									
engineering									
Various institutions:	235 171	_	_	(65 000)	_	_	_	(65 000)	170 171
Strategic science									
platforms for research									
and development									
Capital	1 631 644	_	_	144 810	_	_	_	144 810	1 776 454
Various institutions:	829 237	-	_	(70 957)	_	-	_	(70 957)	758 280
Infrastructure projects									
for research and									
development									
National Research	802 407	_	-	215 767	_	-	_	215 767	1 018 174
Foundation: Square									
Kilometre Array: Capital									
contribution to research									
Public corporations and									
private enterprises									
Public corporations									
Other transfers				/a=:				(
Capital	272 121			(35 000)			_	(35 000)	237 121
Council for Scientific and	272 121	-	_	(35 000)	-	-	_	(35 000)	237 121
Industrial Research:									
Cyberinfrastructure									
research and									
development									

Summary of changes to transfers and subsidies per programme (continued)

	2021/22								
		Adjustments appropriation							
			Amounts						
			announced		Shifts	Declared		Total	
		Roll-	in	Virements	between	unspent	Other	adjustments	Adjusted
R thousand	Appropriation	overs	the budget	and shifts	votes	funds	adjustments	appropriation	appropriation
Socioeconomic									
Innovation Partnerships									
Departmental agencies									
and accounts									
Departmental agencies									
(non-business entities)									
Current	125 276	_	67 000	64 519	-	_	_	131 519	256 795
Various institutions:	48 322	_	_	28 836	_	_	_	28 836	77 158
Innovative research and									
development									
Various institutions:	32 588	_	10 000	38 629	-	-	_	48 629	81 217
Local manufacturing									
capacity research and									
technical support									
National Research	11 035	_	-	(285)	_	_	_	(285)	10 750
Foundation: Research									
information									
management system									
Various institutions:	33 331	_	57 000	(2 661)	-	-	_	54 339	87 670
Environmental									
innovation									
Public corporations and									
private enterprises									
Public corporations									
Other transfers									
Current	121 066	_	_	(38 629)	-	-	_	(38 629)	82 437
Various institutions:	63 343	_	-	(18 129)	_	-	-	(18 129)	45 214
Advanced manufacturing									
technology strategy									
implementation									
Various institutions:	57 723	-	-	(20 500)	-	-	_	(20 500)	37 223
Resource-based				·					
industries research and									
development									