

Vote 34

Science and Technology

Adjusted budget summary

R thousand	2013/14			
	Main appropriation	Adjusted appropriation	Decrease	Increase
Amount to be appropriated	6 198 155	6 198 155	–	–
of which:				
Current payments	454 074	414 074	(40 000)	–
Transfers and subsidies	5 741 903	5 754 403	–	12 500
Payments for capital assets	2 178	29 678	–	27 500
Executive authority	Minister of Science and Technology			
Accounting officer	Director-General of Science and Technology			
Website address	www.dst.gov.za			

Aim

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

Mid-year performance status

Indicator	Programme	Outcome	Annual performance		
			Projected for 2013/14 as published in the 2013 ENE	Achieved in the first six months of 2013/14 (April to September)	Changed target for 2013/14
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	Socio Economic Partnerships	Outcome 5: A skilled and capable workforce to support an inclusive growth path	17	– ¹	–
Total number of companies on a register of companies receiving technology assistance packages	Socio Economic Partnerships	Outcome 4: Decent employment through inclusive economic growth	72	50	–
Total number of postgraduate research students awarded bursaries, as reflected in the National Research Foundation's project reports	Human Capital and Knowledge Systems		8 933	5 070	–
Total number of researchers awarded research grants through National Research Foundation managed programmes, as reflected in the foundation project reports	Human Capital and Knowledge Systems	Outcome 5: A skilled and capable workforce to support an inclusive growth path	3 650	2 253	–
Value of foreign science, technology and innovative funds secured for knowledge production, technology transfer, enhanced innovation and science, technology and innovative human capital development from international partners through agreed instruments per year	International Cooperation and Resources		R300m	R118.3m	–

2013 Adjusted Estimates of National Expenditure

Indicator	Programme	Outcome	Annual performance		
			Projected for 2013/14 as published in the 2013 ENE	Achieved in the first six months of 2013/14 (April to September)	Changed target for 2013/14
Number of foreign participants per year (representing the links to global knowledge and science, technology and innovative networks) collaborating with South African participants in knowledge production, technology transfer, enhanced innovation, and human capital development as agreed with foreign partners	International Cooperation and Resources		3 985	322	–
Number of small and medium enterprises provided with technology support per year	Socio Economic Partnerships	Outcome 4: Decent employment through inclusive economic growth	2 300	1 176	–

1. The target for the first six months was to finalise negotiations with implementation agencies on proposed knowledge and innovation. The products are scheduled to be finalised only in the second half of the year.

Mid-year progress

The department is on track to achieve most of its annual targets.

Only 322 foreign participants collaborated with South African participants in knowledge production, technology transfer, enhanced innovation, and human capital development as agreed with foreign partners. The remaining are partners in the EU-funded projects and will only be reported on in the last quarter of 2013/14.

Adjusted Estimates of National Expenditure 2013

Programme	2013/14							Adjusted appropriation
	Main appropriation	Adjustments appropriation					Total adjustments appropriation	
R thousand		Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
Administration	268 158	–	–	(22 500)	–	–	(22 500)	245 658
Research, Development and Innovation	1 627 145	–	–	26 500	–	–	26 500	1 653 645
International Cooperation and Resources	148 430	–	–	(3 000)	–	–	(3 000)	145 430
Human Capital and Knowledge Systems	2 476 821	–	–	(1 000)	–	–	(1 000)	2 475 821
Socio Economic Partnerships	1 677 601	–	–	–	–	–	–	1 677 601
Total	6 198 155	–	–	–	–	–	–	6 198 155
Economic classification								
Current payments	454 074	–	–	(40 000)	–	–	(40 000)	414 074
Compensation of employees	260 733	–	–	(9 330)	–	–	(9 330)	251 403
Goods and services	193 341	–	–	(30 670)	–	–	(30 670)	162 671
Transfers and subsidies	5 741 903	–	–	12 500	–	–	12 500	5 754 403
Departmental agencies and accounts	4 174 948	–	–	4 500	–	–	4 500	4 179 448
Public corporations and private enterprises	1 034 199	–	–	–	–	–	–	1 034 199
Non-profit institutions	532 756	–	–	8 000	–	–	8 000	540 756
Payments for capital assets	2 178	–	–	27 500	–	–	27 500	29 678
Machinery and equipment	2 178	–	–	–	–	–	–	2 178
Software and other intangible assets	–	–	–	27 500	–	–	27 500	27 500
Total	6 198 155	–	–	–	–	–	–	6 198 155

Programme 1: Administration

Subprogramme	2013/14							Adjusted appropriation
	Main appropriation	Adjustments appropriation					Total adjustments appropriation	
		Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
R thousand								
Ministry	3 853	–	–	–	–	–	–	3 853
Management	90 254	–	–	(4 000)	–	–	(4 000)	86 254
Corporate Services	160 882	–	–	(17 000)	–	–	(17 000)	143 882
Governance	8 755	–	–	–	–	–	–	8 755
Office Accommodation	4 414	–	–	(1 500)	–	–	(1 500)	2 914
Total	268 158	–	–	(22 500)	–	–	(22 500)	245 658
Economic classification								
Current payments	254 429	–	–	(24 500)	–	–	(24 500)	229 929
Compensation of employees	123 222	–	–	(3 000)	–	–	(3 000)	120 222
Goods and services	131 207	–	–	(21 500)	–	–	(21 500)	109 707
Transfers and subsidies	11 551	–	–	2 000	–	–	2 000	13 551
Non-profit institutions	11 551	–	–	2 000	–	–	2 000	13 551
Payments for capital assets	2 178	–	–	–	–	–	–	2 178
Machinery and equipment	2 178	–	–	–	–	–	–	2 178
Total	268 158	–	–	(22 500)	–	–	(22 500)	245 658

Programme 2: Research, Development and Innovation

Subprogramme	2013/14							Adjusted appropriation
	Main appropriation	Adjustments appropriation					Total adjustments appropriation	
		Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
R thousand								
Space Science	809 305	–	–	37 250	–	–	37 250	846 555
Hydrogen and Energy	147 987	–	–	(1 750)	–	–	(1 750)	146 237
Biotechnology and Health	130 399	–	–	(4 750)	–	–	(4 750)	125 649
Innovation Planning and Instruments	539 454	–	–	(4 250)	–	–	(4 250)	535 204
Total	1 627 145	–	–	26 500	–	–	26 500	1 653 645
Economic classification								
Current payments	57 510	–	–	(13 000)	–	–	(13 000)	44 510
Compensation of employees	35 280	–	–	(3 000)	–	–	(3 000)	32 280
Goods and services	22 230	–	–	(10 000)	–	–	(10 000)	12 230
Transfers and subsidies	1 569 635	–	–	12 000	–	–	12 000	1 581 635
Departmental agencies and accounts	1 389 354	–	–	12 000	–	–	12 000	1 401 354
Non-profit institutions	180 281	–	–	–	–	–	–	180 281
Payments for capital assets	–	–	–	27 500	–	–	27 500	27 500
Software and other intangible assets	–	–	–	27 500	–	–	27 500	27 500
Total	1 627 145	–	–	26 500	–	–	26 500	1 653 645

Programme 3: International Cooperation and Resources

Subprogramme	2013/14							Adjusted appropriation
	Main appropriation	Adjustments appropriation					Total adjustments appropriation	
		Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
R thousand								
Multilateral Cooperation and Africa	61 282	-	-	(1 000)	-	-	(1 000)	60 282
International Resources	51 948	-	-	(1 000)	-	-	(1 000)	50 948
Overseas Bilateral Cooperation	35 200	-	-	(1 000)	-	-	(1 000)	34 200
Total	148 430	-	-	(3 000)	-	-	(3 000)	145 430
Economic classification								
Current payments	61 640	-	-	(3 000)	-	-	(3 000)	58 640
Compensation of employees	40 959	-	-	(3 000)	-	-	(3 000)	37 959
Goods and services	20 681	-	-	-	-	-	-	20 681
Transfers and subsidies	86 790	-	-	-	-	-	-	86 790
Departmental agencies and accounts	35 237	-	-	-	-	-	-	35 237
Non-profit institutions	51 553	-	-	-	-	-	-	51 553
Total	148 430	-	-	(3 000)	-	-	(3 000)	145 430

Programme 4: Human Capital and Knowledge Systems

Subprogramme	2013/14							Adjusted appropriation
	Main appropriation	Adjustments appropriation					Total adjustments appropriation	
		Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
R thousand								
Human Capital and Science Platforms	1 706 855	-	-	(8 500)	-	-	(8 500)	1 698 355
Indigenous Knowledge Systems	31 715	-	-	-	-	-	-	31 715
Emerging Research Areas and Infrastructure	738 251	-	-	7 500	-	-	7 500	745 751
Total	2 476 821	-	-	(1 000)	-	-	(1 000)	2 475 821
Economic classification								
Current payments	35 596	-	-	500	-	-	500	36 096
Compensation of employees	25 596	-	-	(330)	-	-	(330)	25 266
Goods and services	10 000	-	-	830	-	-	830	10 830
Transfers and subsidies	2 441 225	-	-	(1 500)	-	-	(1 500)	2 439 725
Departmental agencies and accounts	2 049 911	-	-	(7 500)	-	-	(7 500)	2 042 411
Public corporations and private enterprises	101 943	-	-	-	-	-	-	101 943
Non-profit institutions	289 371	-	-	6 000	-	-	6 000	295 371
Total	2 476 821	-	-	(1 000)	-	-	(1 000)	2 475 821

Details of adjustments to the Estimates of National Expenditure

Virements and shifts

Programmes

1. Administration
2. Research, Development and Innovation
3. International Cooperation and Resources
4. Human Capital and Knowledge Systems
5. Socio Economic Partnerships

FROM:			TO:		
Programme by economic classification	Motivation	R thousand	Programme by economic classification	Motivation	R thousand
Programme 1			Programme 1		
Goods and services	Realignment of activities ¹	(2 000)	Non-profit institutions	Mzansi for science project	2 000
	Reallocation of funds from marketing activities	(8 500)	Programme 2		
	Reallocation of funds from administrative fees, travel and subsistence, and consultancy ¹	(12 000)	Software and other intangible assets	Purchase of SunSpace assets	8 500
Compensation of employees	Vacant posts	(3 000)	Departmental agencies and accounts	Intellectual property incentive	12 000
			Software and other intangible assets	Purchase of SunSpace assets	3 000
Shifts within the programme as a percentage of the programme budget		0.7%			
Virements to other programmes as a percentage of the programme budget²		8.8%			
Programme 2			Programme 2		
Goods and services	Reallocation of funds from advertising and consulting	(10 000)	Software and other intangible assets	Purchase of SunSpace assets	10 000
Compensation of employees	Vacant posts	(3 000)	Software and other intangible assets	Purchase of SunSpace assets	3 000
Shifts within the programme as a percentage of the programme budget		0.8%			
Virements to other programmes as a percentage of the programme budget		0.0%			
Programme 3			Programme 2		
Compensation of employees	Vacant posts	(3 000)	Software and other intangible assets	Purchase of SunSpace assets	3 000
Shifts within the programme as a percentage of the programme budget		0.0%			
Virements to other programmes as a percentage of the programme budget		2.0%			
Programme 4			Programme 4		
Compensation of employees	Realignment of activities	(330)	Goods and services	Payment for consultants	330
Departmental agencies and accounts	Reclassification due to funds for basic science and science platforms promotions incorrectly classified in the 2013 ENE ¹	(7 500)	Non-profit institutions	Robotics and photonics	7 500
Non-profit institutions	Realignment of activities ¹	(1 000)	Programme 1		
	Realignment of activities ¹	(500)	Goods and services	Funding for National Science Week	1 000
			Programme 4		
			Goods and services	Funding for the Indigenous Knowledge Systems Expo	500
Shifts within the programme as a percentage of the programme budget		0.3%			
Virements to other programmes as a percentage of the programme budget		0.0%			
Total		(50 830)	50 830		

1. National Treasury approval has been obtained.

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

Expenditure for 2012/13 and preliminary expenditure for 2013/14

Programme	2012/13					2013/14				
	Expenditure outcome					Preliminary expenditure				
R thousand	Adjusted appropriation	Apr 12 - Sep 12	Apr 12 - Sep 12 % of adjusted appropriation	Apr 12 - Mar 13	Apr 12 - Mar 13 % of adjusted appropriation	Adjusted appropriation	Adjusted appropriation/ total (%)	Apr 13 - Sep 13	Apr 13 - Sep 13 % of adjusted appropriation	
Administration	229 429	116 030	50.6	225 270	98.2	245 658	4.0	124 105	50.5	
Research, Development and Innovation	1 142 807	988 861	86.5	1 156 845	101.2	1 653 645	26.7	1 313 055	79.4	
International Cooperation and Resources	139 317	65 724	47.2	136 518	98.0	145 430	2.3	84 395	58.0	
Human Capital and Knowledge Systems	2 064 673	1 347 938	65.3	2 038 955	98.8	2 475 821	39.9	1 713 036	69.2	
Socio Economic Partnerships	1 423 384	620 056	43.6	1 415 727	99.5	1 677 601	27.1	802 046	47.8	
Total	4 999 610	3 138 609	62.8	4 973 315	99.5	6 198 155	100.0	4 036 637	65.1	
Economic classification										
Current payments	409 315	198 458	48.5	386 758	94.5	414 074	6.7	203 412	49.1	
Compensation of employees	247 588	114 231	46.1	221 767	89.6	251 403	4.1	121 308	48.3	
Goods and services	161 727	83 973	51.9	164 616	101.8	162 671	2.6	82 104	50.5	
Interest and rent on land	–	254	0.0	375	0.0	–	0.0	–	0.0	
Transfers and subsidies	4 587 720	2 936 238	64.0	4 580 044	99.8	5 754 403	92.8	3 801 037	66.1	
Departmental agencies and accounts	2 811 010	2 252 691	80.1	3 196 752	113.7	4 179 448	67.4	2 634 914	63.0	
Higher education institutions	33 643	89 253	265.3	153 642	456.7	–	0.0	105 843	0.0	
Public corporations and private enterprises	1 015 740	556 837	54.8	1 165 716	114.8	1 034 199	16.7	1 032 115	99.8	
Non-profit institutions	727 327	37 457	5.1	63 304	8.7	540 756	8.7	28 165	5.2	
Households	–	–	0.0	630	0.0	–	0.0	–	0.0	
Payments for capital assets	2 575	3 909	151.8	6 491	252.1	29 678	0.5	32 188	108.5	
Machinery and equipment	2 575	3 909	151.8	6 491	252.1	2 178	0.0	4 688	215.2	
Software and other intangible assets	–	–	0.0	–	0.0	27 500	0.4	27 500	100.0	
Payments for financial assets	–	4	–	22	–	–	0.0	–	0.0	
Total	4 999 610	3 138 609	62.8	4 973 315	99.5	6 198 155	100.0	4 036 637	65.1	

Expenditure trends for the first half of 2013/14

Total expenditure in 2012/13 was 99.5 per cent of the 2012/13 adjusted appropriation. Expenditure in the first six months of 2013/14 was R4.037 billion, or 65.1 per cent of the adjusted appropriation of R6.198 billion for the year. In comparison, mid-year expenditure in 2012/13 was R3.139 billion, or 62.8 per cent of the 2012/13 adjusted appropriation. Compared to the first six months of 2012/13, expenditure over the same period in 2013/14 increased by R898.028 million or 28.6 per cent. This was mainly due to payments for projects that were finalised earlier than expected.

Departmental receipts

R thousand	2012/13					2013/14				
	Adjusted estimate	Audited outcome		Actual receipts		Budget estimate	Adjusted estimate	Adjusted receipts estimate/total (%)	Apr 13 - Sep 13	
		Apr 12 - Sep 12	Apr 12 - Sep 12 % of adjusted estimate	Apr 12 - Mar 13	Apr 12 - Mar 13 % of adjusted estimate				Apr 13 - Sep 13	Apr 13 - Sep 13 % of adjusted estimate
Departmental receipts	1 008	932	92.5	1 219	120.9	116	1 792	100.0	870	48.5
Sales of goods and services produced by department	83	619	745.8	64	77.1	28	28	1.6	19	67.9
Interest, dividends and rent on land	–	–	–	81	–	8	12	0.7	7	58.3
Sales of capital assets	577	–	–	577	100.0	–	–	–	–	–
Transactions in financial assets and liabilities	348	313	89.9	497	142.8	80	1 752	97.8	844	48.2
Total	1 008	932	92.5	1 219	120.9	116	1 792	100.0	870	48.5

Revenue trends for the first half of 2013/14

Revenue in the first six months of 2013/14 was R870 000, or 48.5 per cent of the adjusted revenue estimate of R1.792 million for the year. In comparison, mid-year revenue in 2012/13 was R932 000, or 92.5 per cent of the 2012/13 adjusted estimate. Compared to revenue in the first six months of 2012/13, revenue in the same period in 2013/14 decreased by R62 000 or 6.7 per cent. This was mainly due to the sale of disposed vehicles in 2012/13.

Changes to transfers and subsidies, including conditional grants

Summary of changes to transfers and subsidies per programme

R thousand	Main appropriation	2013/14					Total adjustments appropriation	Adjusted appropriation
		Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
Administration								
Non-profit institutions								
Current	11 551	–	–	2 000	–	–	2 000	13 551
Institutional and programme support	11 551	–	–	2 000	–	–	2 000	13 551
Research, Development and Innovation								
Departmental agencies and accounts								
Departmental agencies (non-business entities)								
Current	111 708	–	–	12 000	–	–	12 000	123 708
South African National Space Agency	111 708	–	–	12 000	–	–	12 000	123 708
Human Capital and Knowledge Systems								
Departmental agencies and accounts								
Departmental agencies (non-business entities)								
Current	83 607	–	–	(7 500)	–	–	(7 500)	76 107
Science themes	83 607	–	–	(7 500)	–	–	(7 500)	76 107
Non-profit institutions								
Current	132 353	–	–	6 000	–	–	6 000	138 353
Emerging research areas	49 204	–	–	7 500	–	–	7 500	56 704
Indigenous knowledge system	20 682	–	–	(500)	–	–	(500)	20 182
Science and youth	62 467	–	–	(1 000)	–	–	(1 000)	61 467

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

		2013/14						
		Adjustments appropriation					Total adjustments appropriation	Adjusted appropriation
R thousand	Main appropriation	Roll-overs	Unforeseeable/unavoidable	Virements and shifts	Declared unspent funds	Other adjustments		
Socio Economic Partnerships								
Public corporations and private enterprises								
Public corporations								
Other transfers								
Current	63 716	-	-	-	-	-	-	63 716
Advanced manufacturing technology strategy	45 548	-	-	(3 000)	-	-	(3 000)	42 548
ICT	18 168	-	-	3 000	-	-	3 000	21 168