**NATIONAL ASSEMBLY**

**WRITTEN REPLY**

**QUESTION NO. 2095**

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**"Mr N Paulsen (EFF) to ask the Minister of Science and Technology:**

**Whether (a) her department and/or any entities reporting to her are funding, including by way of discretionary funding, any institution of research and development (i) domestically and /or internationally; if so, (aa) (aaa) what are the names of the specified institutions and (bbb) what are their functions, (bb) from what date has her department or any entity reporting to her been funding them and (cc) what amount has her department contributed towards such funding?**

 **NW2314E**

**REPLY:**

**(a) Department of Science and Technology**

 The Department has a mandate of overseeing the national system of innovation (NSI), thus to create and enabling environment for the NSI to unlock the potential for economic growth trough science, technology and innovation. The basis for this is the creation of new knowledge through research and development (R&D), and exploitation thereof. In achieving this, the Department and its six entities , namely, the

 Technology Innovation Agency (TIA), the South African National Space Agency (SANSA), the Council for Scientific and Industrial Research (CSIR), the Human Sciences Research Council (HSRC), the Academy of Science South Africa (ASSAF), and the National Research Foundation (NRF) perform research and disburse funding to various institutions that conduct research and development. Table details of funding transferred to various institutions for R&D projects (bbb).

Table 1: Institutions supported by DST

|  |  |  |
| --- | --- | --- |
| **Institution****(aa)(aaa)** | **Supported since:****(bb)** | **Funding****(cc)** |
| University of the Western Cape | 2008 | R5.3m |
| North-West University  | 2014 | R7.6m |
| Agricultural Research Council | 2003 | R400.m |
| South African Medical Research Council | 2012 | R316.4m |
| Nelson Mandela University  | 2016 | R750 000 |
| Forestry South Africa  | 2014 | R25m |
| Winetech | 2015 | R12m |
| Fresh Produce Exports Forum  | 2014 | R30m |
| Sugar Milling Research Institute | 2016 | R15m |
| Paper Manufactures Association of South Africa | 2015 | R9m |
| Citrus Research International  | 2015 | R15m |
| Stellenbosch University | 2016 | R341 824 |
| Water Research Council | 2014 | R35.5m |
| South African National Biodiversity Institute  | 2015 | R1.5m |
| Department of Environmental Affairs | 2015 | R2.8m |
| University of Cape Town  | 2015 | R12.8m |
| Pelchem | 2012 | R93.8m |
| Tswane University of Technology | 2014 | R330 000 |
| University of the Witwatersrand | 2014 | R330 000 |

**(b) DST entities**

 The disbursement of research and technology development funds is primarily the function of the NRF and TIA, respectively. The NRF has a dual mandate to disburse research funds and conduct in-house R&D through national facilities. In 2013, the Minister of Science and Technology published a set of regulations on which institutions the NRF can support ("Declaration of Research Institutions fundable by the NRF"). The NRF adheres to this 'Declaration' document in deciding which institutions to support. It must be pointed out that according to the Declarations, these institutions are public research institutions that conduct basic research (in line with the mandate of the NRF) and are established by relevant Acts to support basic research priorities of different line departments. Examples in this regard include the South African National Parks, the South African Weather Services, and the Onderstepoort Biological Products. TIA supports organisations that are aligned with its mandate of innovations through technology development, and o not have grant-making functions. Tables 2 to 4 provide details of the institutions funded by TIA,NRF, and SANSA.

Table 2: TIA

|  |  |  |
| --- | --- | --- |
| **Institution****(aa)(aaa)** | **Supported since****(bb)** | **Funding****(cc)** |
| Agricultural Research Council | 2010 | R48.5m |
| Cape Peninsula University of Technology  | 2010 | R82.3m |
| Council for Scientific and Industrial Research  | 2010 | R98.1m |
| Central University of Technology  | 2010 | R34.1m |
| Durban University of Technology | 2010 | R28.6m |
| Fort Hare University  | 2010 | R5.4m |
| MINTEK | 2010 | R0.2m |
| Medical Research Council | 2010 | R2.2m |
| Mangosuthu University | 2012 | R36.2m |
| The South African Nuclear Energy Corporation SOC Limited | 2010 | R5.3m |
| Nelson Mandela Metropolitan University  | 2010 | R134.6m |
| North West University | 2010 | R87.1m |
| Onderstepoort Biological Products | 2012 | R37.1m |
| Rhodes University | 2010 | R3.2m |
| Tshwane University of Technology | 2010 | R110.5m |
| University of Cape Town | 2010 | R136.8m |
| University of the Free State | 2010 | R40.3m |
| University of Johannesburg  | 2010 | R57.4m |
| University of Kwazulu Natal  | 2010 | R17.8m |
| University Limpopo | 2010 | R26.1m |
| University of Pretoria | 2010 | R77.1m |
| University of Stellenbosch | 2010 | R67.7m |
| University of Venda | 2010 | R5.0m |
| University of Zululand | 2012 | R1.9m |
| University of Western Cape | 2010 | R16.8m |
| Wits University  | 2010 | R34.3m |
| Vaal University of Technology  | 2012 | R57.0m |
| Walter Sisulu University of Technology | 2012 | R11.1m |
| mLab | 2015 | R5.5m |
| Innovation Hub | 2012  | R29.2m |

Table 3: NRF

|  |  |  |
| --- | --- | --- |
| **Institution** **(aa)(aaa)** | **Period****(bb)** | **Funding****(cc)** |
| Africa Institute of South Africa | 2014 | R94 000 |
| African Equations | 2003 | R120 000 |
| African Institute for Mathematical Sciences | 2016 | R6.7m |
| African Renaissance Development Institute | 2002 | R54, 000 |
| Agricultural Research Council | 2002-2016 | R186,7m |
| Albany Museum  | 2002-2016 | R3,2m |
| Amathole Museum | 2005-2016 | R613 540 |
| Atomic Energy Corporation  | 2005 | R11 804 |
| Bayworld Centre for Research and Education  | 2015-2016 | R1,3m |
| Black Science, Technology and Engineering Professionals | 2006 | R30 000 |
| Border Technikon | 2002-2006 | R723 795 |
| Cape Peninsula University of Technology  | 2002-2016 | R184.4m |
| Central University of Technology | 2002-2016 | R71.9M |
| Centre for Advancement of Science and Mathematics Education | 2002 and 2005 | R357 966 |
| Centre for Education Policy Development | 2008-2009 | R740 878 |
| Centre for Proteomic and Genomic Research (CPGR) | 2015 | R110 489 |
| Centre of Science & Technology of the Non-aligned and other Development | 2006 | R63 870 |
| Centre for the AIDS Program of Research in South Africa (CAPRISA) | 2007-2016 | R22.3m |
| Coaltech 2020 | 2007-2008 | R3.1m |
| Committee on data for Science and Technology | 2003-2006 | R104 638 |
| Consumer goods council of South Africa | 2006 | R21 043 |
| Council for Geoscience | 2006-2016 | R4.5m |
| Council for Scientific and Industrial Research  | 2002-2016 | R335.8m |
| Department of Agriculture, Forestry and Fisheries | 2011-2016 | R1.2m |
| Department of Environmental Affairs | 2004-2011 | R38.3m |
| Ditsong National Museum of Natural History | 2002-2016 | R3.7m |
| **Institution** **(aa)(aaa)** | **Period****(bb)** | **Funding****(cc)** |
| Durban University Technology | 2002-2016 | R945 106 |
| Durban Natural Science Museum | 2013-2016 | R176.3m |
| East Coast Biotech Trust T/A Lifelab | 2008-2010 | R1.4M |
| East London Museum | 2009-2016 | R705 577 |
| Eastern Cape Technikon | 2002-2006 | R2.1m |
| Elsenburg Agricultural Research Centre | 2007-2016 | R13.3m |
| Endangered Wildlife Trust | 2005 | R11 060 |
| eThekwini Muncipality | 2005-2008 | R320 716 |
| Ezemvelo KZN Wildlife | 2002-2016 | R3.1m |
| Foundation for education, science and technology | 2003 | R150 000 |
| Gwala khumalo vilakazi aids cancer research centre | 2004 | R80 000 |
| Hartebeeshoek Radio-Astronomical Observatory  | 2004 and 2006-2012 | R64.5M |
| Hermanus Magnetic Observatory | 2003 and 2055-2011 | R19.9m |
| Human Sciences Research Council (HSRC) | 2002-2016 | R15.8M |
| Institute for Soil, Climate and Water | 2002-2006 | R216 796 |
| Institute of Tropical and Subtropical Crops | 2004-2006 | R684 920 |
| International Centre for Genetic Engineering & Biotechnology (ICGEB) | 2008 and 2013-2016 | R14.3m |
| iThemba Laboratory for Accelerator- Based Sciences | 2002-2016 | R208.8m |
| Iziko Museums of Cape Town  | 2002-2016 | R17.1m |
| KwaZulu-Natal Museum | 2002-2016 | R3.1m |
| KwaZulu-Natal Sharks Board | 2002, 2005, 2006 and 2016 | R248 843 |
| Mangosuthu University of Technology | 2002-2016 | R26.2m |
| McGregor Museum  | 2005, 2014-2015 | R640 147m |
| Mintek | 2003-2012 | R45.0m |
| Mpumalanga Parks Board | 2006 and 2008 | R12 191 |
| MTN Sciencentre  | 2003  | R25 000 |
| National Bioinformatics Network | 2005 | R1.4m |
| National Centre of Atmosperic Research | 2003  | R71 265 |
| National Health Laboratory Service (NHLS) | 2002-2015 | R5.9m |
| National Institute for Communicable Diseases (NICD) | 2009-2014 | R6.5m |
| National Metrology Institute of South Africa (NMISA) | 2009-2011 and 2013 | R820 672 |
| National Museum | 2002-2016 | R13.1m |
| National Zoological Gardens | 2008-2016 | R54.2m |
| Nelson Mandela Metropolitan University  | 2002-2016 | R72.3m |
| North-West University | 2002-2016 | R740.3m |
| Nuclear Energy Corporation of SA (NECSA) | 2005 and 2007-2016 | R46.6m |
| Oceanographic Research Institute (SAAMBR) | 2002-2016 | R12.9m |
| Palaeo-Anthropology Trust | 2002-2016 | R30.4m |
| PBMR (PTY)Ltd | 2008-2010 | R228 056 |
| Peninsula Technikon | 2002-2016 | R13.1m |
| Port Elizabeth Museum (Bayworld) | 2002-2016 | R16.6m |
| **Institution** **(aa)(aaa)** | **Period****(bb)** | **Funding****(cc)** |
| Port Elizabeth Technikon | 2002-2011 | R24.8m |
| Rhodes University  | 2002-2016 | R467.4m |
| SA Medical Research Council | 2002-2005 | R724 920 |
| Sea Fisheries Research Institute | 2006-2007 | R150 000 |
| Sefako Makgatho Health Sciences University  | 2012-2016 | R 21.2m |
| South African Astronomical Observatory  | 2005-2012 | R110.4m |
| South African Environmental Observation Network  | 2005 and 2008-2012 | R55.3m |
| South African Institute for Aquatic Biodiversity | 2002-2012 | R74.7m |
| South African Institute of Chartered Accountants | 2005-2012 | R220.1m |
| South African Medical Research Council (SAMRAC) | 2006-2012 | R25.4m |
| South African National Biodiversity Institute | 2002 and 2005-2016 | R16.8m |
| South African National Space Agency (SANSA) | 2011-2016 | R22.7m |
| South African Sugar Association Experiment Station | 2003-2004 | R102 000 |
| South African Sugarcane Research Institute (SASRI) | 2007-2016 | R2.5M |
| South African Weather Services | 2009 and 2013-2016 | R585 520 |
| Southern Cape Herbarium | 2002,2006 and 2008 | R85 000 |
| Square Kilometre Array South Africa | 2008,2010 and 2013 | R1.5m |
| Stellenbosch University  | 2002-2016 | R2.1b |
| Technikon Northern Gauteng | 2002-2004 | R794 439 |
| Technikon North-West | 2002-2004 | R67 608 |
| Technikon Pretoria | 2002-2007  | R16.7m |
| Technikon SA | 2002-2004 | R298 717 |
| Technikon Witwatersrand | 2002-2007  | R13.8m |
| Technology Innovation Agency (TIA) | 2010 | R735 000 |
| Tshwane University of Technology | 2005-2012 | R388.5m |
| University of Cape Town | 2002-2016 | R2.4b |
| University of Fort Hare | 2002-2016 | R209.5m |
| University of Johannesburg | 2002-2016 | R557.4m |
| University of KwaZulu-Natal | 2002-2016 | R1.1b |
| University of Limpopo | 2002-2016 | R172.4m |
| University of Mpumalanga | 2016 | R181 905 |
| University of Pretoria | 2002-2016 | R1.3b |
| University of South Africa | 2002-2016 | R169.1m |
| University of Free State | 2002-2016 | R409.8m |
| University of the North | 2002-2008 | R18.2m |
| University of the North (Qwaqwa Campus) | 2002-2004 | R3.9m |
| University of the Western cape | 2002-2016 | R724.4m |
| University of the Witwatersrand | 2002-2016 | R1.6b |
| **Institution** **(aa)(aaa)** | **Period****(bb)** | **Funding****(cc)** |
| University of Venda | 2002-2016 | R138.1m |
| University of Zululand | 2002-2016 | R109.0m |
| Vaal University of Technology | 2002-2016 | R84.0m |
| Vista University | 2002-2003 | R1.1m |
| Walter Sisulu University | 2002-2016 | R90.5m |
| Water Research Commission | 2006 | R12 000 |
| **International** |  |  |
| Brigham Young University | 2003-2004 | R215 729 |
| Brown University | 2002 | R205 095 |
| Clarkson University | 2003-2005 | R238 341 |
| Cornell University | 2002-2004 | R231 681 |
| Emory University | 2004 | R5 000 |
| Friedrich-Alexander-Universitat Erlangen-Nuernberg | 2003-2004 | R228 660 |
| Global Biodiversity Information Facility | 2005-2006 | R691 425 |
| Icamagu Institute | 2003 | R65 550 |
| International Continental DRILLING Programme | 2005-2006 | R274 300 |
| International Federation for Information Processing | 2005-2006 | R25 255 |
| International Union of Microbiological Societies | 2005-2006 | R33 155 |
| Inyathelo Training & Development | 2002-2003 | R115 000 |
| Katholieke Universiteit Leuven | 2003-2006 | R325 265 |
| Leiden University | 2002-2005 | R373 370 |
| Mcgill University | 2004 | R5 000 |
| Mobile Telephone Networks (MTN) | 2003-2004 | R53 911 |
| Monash South Africa | 2010-2012 | R67 040 |
| Musicon | 2004 | R2 000 |
| Northwestern University | 2003  | R5 000 |
| Nova Southeastern University | 2006 | R5 000 |
| Oregon State University  | 2004 | R5 000 |
| Pennsylvania State University  | 2005-2006 | R237 332 |
| PSYSSA | 2006-2007 | R66 722 |
| Queen's University at Kingston  | 2002-2004 | R259 677 |
| Rutgers University | 2003 | R83 790 |
| Sebmor Exclusive Clothing Swedish University of Agricultural Sciences | 2004 | R10 000 |
| Swedish School of Agricultural Science | 2003 | R5 000 |
| The London School of Economics & Political Science | 2003 | R101 585 |
| The University of IOWA | 2003-2005 | R282 401 |
| The University of Reading | 2005-2006 | R248 857 |
| Universiteit Antwerpen | 2002-2003 | R308 238 |
| University College London | 2004 | R5 000 |
| University of Arizona | 2003  | R253 085 |
| University of Cambridge | 2004-2005 | R15 000 |
| University of Chicago | 2005 | R5 000 |
| **Institution** **(aa)(aaa)** | **Period****(bb)** | **Funding****(cc)** |
| University of Connecticut | 2005 | R102 995 |
| University of Dhuram | 2004-2006 | R313 723 |
| University of East Anglia | 2005-2006 | R100 000 |
| University of Florida | 2005-2007 | R240 678 |
| University of Illinois at Urbana-Champaign | 2003-2004 | R250 975 |
| University of London | 2002-2008 | R604 138 |
| University of Manchester | 2005-2007and 2011 | R442 893 |
| University of Maryland | 2003  | R5 000 |
| University of Oxford | 2005 | R5 000 |
| University of Southampton | 2004 | R420 428 |
| University of Strathclyde | 2002 | R5 000 |
| University of Tasmania | 2002-2003 | R190 062 |
| University of Uppsala, Sweden | 2004-2005 | R200 465 |
| University of Victoria | 2002 | R5 000 |
| University of Washington | 2002-2003 | R199 071 |
| University of Wisconsin-Madison | 2002 | R5 000 |
| University of Zurich | 2002-2003 | R228 078 |
| Wageningen University | 2005 | R5 000 |

Table 4: SANSA

|  |  |  |
| --- | --- | --- |
| **Institution** **(aa)(aaa)** | **Period of support****(bb)** | **Funding****(cc)** |
| University of Kwazulu Natal | 2011-2017 | R2.1m |
| Cape Peninsula University of Technology | 2015-2017 | R16.5m |