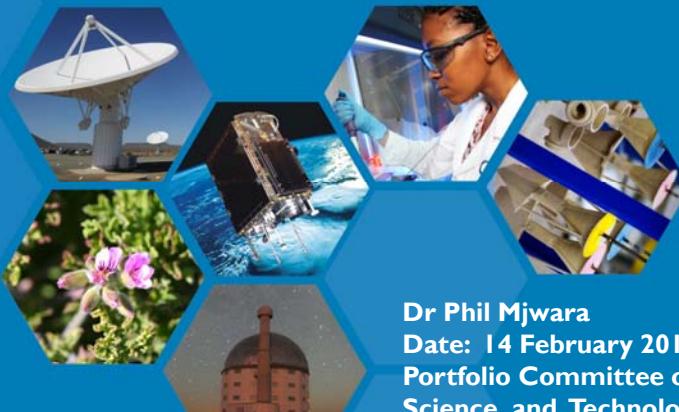


DST SECOND QUARTER PERFORMANCE AND FINANCIAL REPORT (JULY TO SEPTEMBER 2017)



Dr Phil Mjwara
Date: 14 February 2018
Portfolio Committee on
Science and Technology



Presentation outline

- Purpose**
- Background**
- Performance Per DST's Strategic Goals**
- Performance Per DST's Programmes**
- Financial Performance**

Purpose

- ❑ To present the DST's Second Quarter Performance and Financial Report for the 2017-18 financial year.

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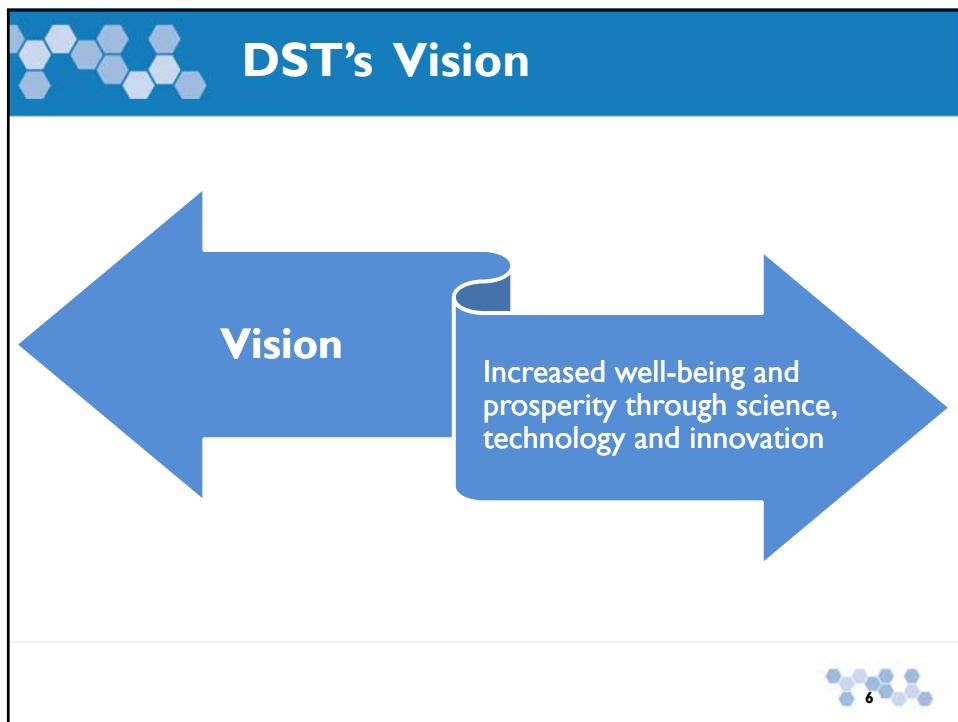
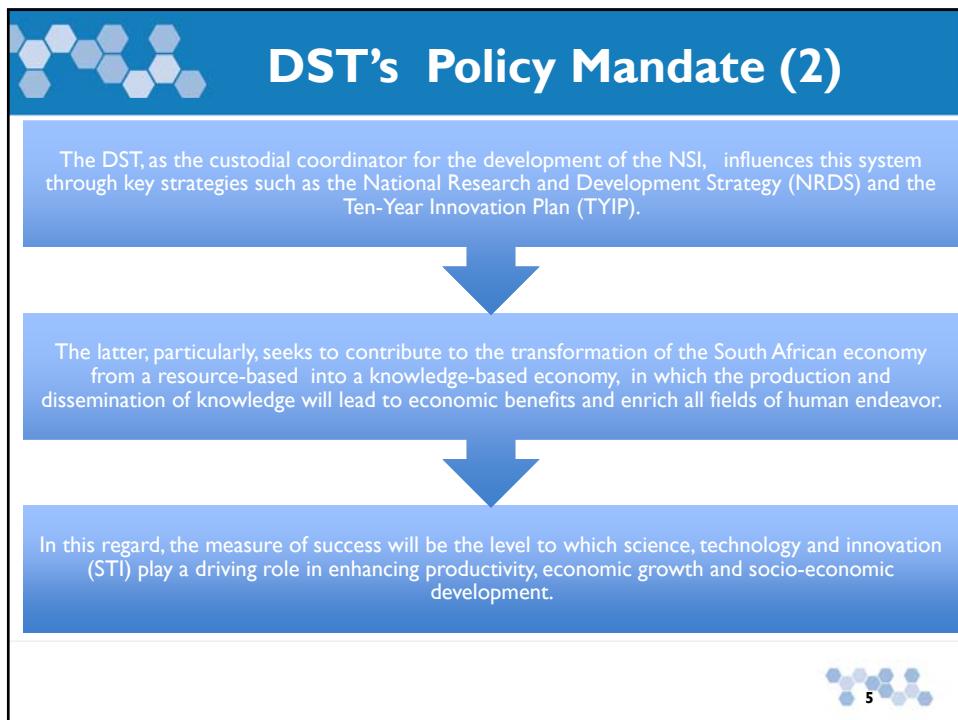
DST's Policy Mandate (I)

The Department of Science and Technology (DST) derives its mandate from the 1996 White Paper on Science and Technology, which introduced the concept of a National System of Innovation.

The NSI remains an ideal for which South Africa continues to strive. It is an enabling framework for science, technology and innovation (STI).

NSI can be understood as a set of functioning institutions, organisations and policies that interact constructively in the pursuit of a common set of social and economic goals and objectives, seeking to promote change through the introduction of innovations.

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DST's Mission Statement

Mission

To provide leadership, and enabling environment, and resources for science, technology and innovation in support of South Africa's development

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The DST's contributions to Government Outcomes

The Department contributes to and reports on the following government outcomes:

-  **Outcome 2:** A long and healthy life for all South Africans.
-  **Outcome 4:** Decent employment through inclusive economic growth.
-  **Outcome 5:** A skilled and capable workforce to support an inclusive growth path.
-  **Outcome 6:** An efficient, competitive and responsive economic infrastructure network.
-  **Outcome 7:** Vibrant, equitable and sustainable rural communities and food security for all.
-  **Outcome 10:** Environmental assets and natural resources that are well protected and continually enhanced.

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DST's Strategic outcome-oriented goals

-  A responsive, coordinated and efficient NSI.
-  Increased knowledge generation.
-  Human capital development.
-  Using knowledge for economic development.
-  Knowledge utilisation for inclusive development.

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DST'S CONTRIBUTION TO THE STRATEGIC OUTCOME-ORIENTED GOALS



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Overall DST's Performance (1)

Figure 1 below illustrates the performance of the Department of Science and Technology (DST) from July to September 2017.

- ❑ During the period under review, the total number of planned output targets was (**n= 36**).
- ❑ The Department achieved 61% of the planned output targets and 39% of the planned output targets were not achieved.

Overall DST's Performance (2)

Figure 1: DST's overall final second quarter performance overview: (Total number of planned output targets, n= 36)

Performance Status	Count	Percentage
Achieved	22	61%
Not Achieved	14	39%

■ Achieved
■ Not Achieved



A Responsive, Coordinated and Efficient NSI (1)

- The DST recognises that if South Africa's economy is to advance along the trajectory set out in the NDP, a strong, coherent and effective NSI is indispensable.

Draft White Paper on Science and Technology, the following progress can be reported for the period under review:

- ✓ The Department subjected the draft White Paper to a review by critical readers.
- These are both local and international experts in various aspects of science and technology policy.
- Technical inputs from business aimed at enhancing the document were sought in the third quarter.
- The draft White Paper will be tabled in Cabinet on 14 March 2018.

- ✓ It is a requirement that government departments' planned key policy and legislative interventions undergo the Social and Economic Impact Assessment System (SEIAS), under the auspices of the Department of Planning, Monitoring and Evaluation (DPME).
- The first phase of the Social and Economic Impact Assessment System (SEIAS) has been completed and the SEIAS certificate was issued.

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A Responsive, Coordinated and Efficient NSI (2)

- In pursuit of a responsive, coordinated and efficient NSI, in the period under review the following can be reported:

- ✓ The 2018/19 first draft APP was submitted to National Treasury, Department of Planning, Monitoring and Evaluation and Auditor-General on 31 August 2017 following consideration and approval by the Director-General and the Minister.
- ✓ The DST continues to provide support to the Economic Sectors, Employment and Infrastructure Development (ESEID) cluster and Government's Nine-Point Plan project management team.
- ✓ During the reporting period, the government programme of action (POA) report for 2017-18 financial year quarter two was also finalised and submitted to the outcomes coordinating department.

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 **A Responsive, Coordinated and Efficient NSI (3)**

Other achievements in pursuit of this goal

- ❑ **Indigenous Knowledge Systems (IKS) Bill**
 - ✓ Following a number of meetings and presentations to the Portfolio Committee on Science and Technology, the DST transposed the IKS Bill into a legal draft document.
 - ✓ On 13 September 2017, the Committee adopted the IKS Bill to be introduced to the National Assembly.
- ❑ **The development of the Commercialisation Framework Initiative (CFI)**
 - ✓ The CFI presented at EXCO in September 2017, serves as an overarching policy guideline for actions to be taken in respect of the commercialisation activities of the DST.
- ❑ **Innovation Bridge**
 - ✓ The second Innovation Bridge (IB) Technology Showcase and Matchmaking Event, took place at the Gallagher Convention Centre on 15 September 2017.
 - ✓ The Innovation Bridge provides an opportunity for networking between South Africa and international innovators, industry and public and private technology development and commercialisation funding partners.
 - ✓ The IB focuses on technologies developed in publicly-funded South African research and development institutions, and by companies receiving government support. IB 2017 included 76 exhibitors with 175 technologies.

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 **Increased Knowledge Generation (I)**

- ❑ **The DST acknowledges that without research grants support, knowledge generation is not possible and therefore in this regard:**
- ✓ Provided grants through a number of instruments designed to strengthen research capacity at universities including:
 - The South African Research Chairs Initiative; and
 - The Centres of Excellence Programme.
- ✓ For example, in pursuit of this objective during the reporting period, 3 863 researchers were awarded research grants surpassing a set target of 3 404.

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Increased Knowledge Generation (2)

□ The South African Basic Sciences Platform

- ✓ During the reporting period the DST established the South African Basic Sciences Platform (SABSPAT).
- ✓ The platform consists of representatives of learned societies (Mathematics, Physics, Chemistry, Geological Sciences, Computer Science and the Biological Sciences); ASSAf; NRF –
- ✓ Its objective is to implement the Basic Sciences Development and Support Framework (BSDSF).

2/1/2018




Increased Knowledge Generation (2)

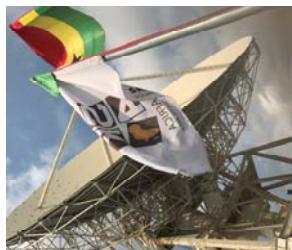
□ The national policy framework for Open Science

- ✓ The DST in conjunction with ASSAf, developed an operational structures to manage and drive the process of developing a national policy framework for Open Science.
- ✓ Open Science enables people to use, re-use and distribute content without legal, technological or social restrictions. It moves beyond open access research articles towards encompassing other research objects such as data, software codes , protocols and workflows.
- ✓ A matrix providing a comparative analysis of the structure of selected international science academies was discussed with the ASSAf Council during the ASSAf Strategic Planning meeting held in the second quarter.

2/1/2018




Increased Knowledge Generation (3)



- Building of the radio astronomy capabilities on the continent**
- ✓ In pursuit of this endeavour, science ministers, deputy ministers and representatives of the nine Square Kilometre Array (SKA) African Partner Countries concluded the Fourth Ministerial Meeting on the SKA in Accra, Ghana, on 24 August 2017.
- ✓ The major outcome of this meeting was the signing of a memorandum of understanding on the building of the radio astronomy capabilities on the continent.
- ✓ The event was followed by the Presidential Launch of the Ghana Radio Astronomy Observatory, making Ghana the first African partner country of the African Very Large Baseline Interferometer (VLBI) Network (AVN) to complete the conversion of a communications antenna into a functioning radio telescope.



2/1/2018

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Human Capital Development (I)



❑ Human Capital Development (HCD) initiative

IKS EXPO: contributions to HCD



- ✓ The Department hosted the 2017 IKS EXPO in partnership with the Mpumalanga Provincial Government from 26-28 September 2017 with the theme “Indigenous Knowledge: Protecting it for future generations”.
- ✓ The IKS EXPO culminated in five learners from the schools in the province, being awarded scholarships to study towards a Bachelor’s Degree in IKS.
- ✓ More than 450 grade 10 and 11 learners, and 2 800 community members, delegates and exhibitors participated in the Expo.

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Human Capital Development (2)



❑ Human Capital Development (HCD) initiative

Bursaries awarded through NRF and DST programmes

- ✓ 3 065 PhD students, and
- ✓ 7 955 pipeline postgraduate students (honours and masters' students).

Interns

- ✓ A total of 875 graduates and students from both the NRF and National Youth Service placed in SETI DST-funded institutions.



National Science Week (NSW)

- ✓ The primary goal of this campaign is to promote science and technology literacy, as well as highlight their pivotal role in addressing issues affecting people.
- ✓ NSW took place in August 2017 in Port Elizabeth, and the number of participants will be reported in the fourth quarter.

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Using Knowledge and Innovation for Economic Development (I)



❑ Innovation for Economic Development

The DST continues to encourage industry innovation partnerships as part of broader government efforts to support industry competitiveness.

Titanium metal powder

- ✓ The titanium pilot plant was re-commissioned and the following progress can be reported:

- The pilot plant was successfully operated for two weeks (in August and September 2017) at a slow powder production rate (~ 500g/hr) to determine its operational efficiency and robustness.
- A plan to increase the powder production rate is in place, running in parallel with powder characterization activities.
- During the reporting period, the production of Ti6Al4V spherical powders was investigated by deploying five different metallurgical processes.
- The result was positive and the CSIR is exploring opportunities to establish an industrial facility to scale up these technologies for commercial purposes.



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Using Knowledge and Innovation for Economic Development (2)

Innovation for Economic Development

Firm Technology Assistant Package

- ✓ The DST created a *Technology Assistance Package (TAP)* programme to assist South African foundry companies (most owned by persons from previously disadvantaged backgrounds) to participate in competitive supplier development programmes.
- ✓ The programme facilitated the signing of a contract between Enterprise and Supplier Development division of General Electric (GE) and TLIU for the empowerment of the supplier.
- TLIU worked with ABB to develop 8 South African suppliers to provide components for the Traction Transformer for the Locomotive Build programme.
- Most of the suppliers identified are small black owned in line with the TAP strategy.
- ✓ This first contract is valued at R3.8 million for a one (1) year renewable possibility at the end of the first contract.
- ✓ This contract is in addition to the quantum of the investment amounting to R5 million that GE has committed for the nine suppliers.

2/1/2018

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Using Knowledge and Innovation for Economic Development (3)

Agro-processing technologies

IK-based agro-processing initiatives

- ✓ The commercialisation of new IK-based technologies is essential for the country's socio-economic advancement.
- ✓ The DST has started negotiations with Future Life (private sector) for joint commercialisation of their products from the completed Limpopo (Tooseng) agro-processing facility for Moringa project, the Sedikong cooperative from Tooseng community.

Cross-boundary IK-based projects.

- ✓ South Africa's chairship of the SADC from August 2017 to August 2018 promoted the identification of three major IK-based cross-boundary projects.
- ✓ During the reporting period, the IK-based Technology Innovation Directorate under the Nutraceuticals Platform funds one of the projects, the Nutri-drink project.
- ✓ The DST hosted a meeting in September 2017 in order to map an SADC innovation programme plan for the implementation of the three projects.

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Using Knowledge and Innovation for Economic Development (4)

Montez Quality Foods (Owner is a person with disability)

- ✓ The Cape Peninsula University of Technology (CPUT) Agri-food Technology Station (ATS) (which is an initiative of the DST) entered into an agreement with the owner who is a person with a disability to use the facility for producing puffed pork skin products for the snack market.
- ✓ The owner managed to employ three people for production.
- ✓ The production was done mainly at ATS CPUT pilot plant.
- ✓ The business is becoming self-sustainable with additional distributions, including the Rondebosch Spar Picardi Rebel Liquor store.

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Knowledge Utilisation for Inclusive Development (I)

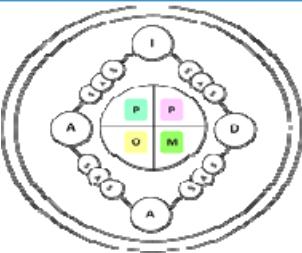
Innovation towards a decent standard of living



- The DST, South African Medical Research Council (SAMRC) and Novartis entered into a collaborative agreement that will result in Novartis assisting South African scientists through the following activities:
 - ✓ Establishing a joint research programme in selected communicable and non-communicable diseases from drug discovery through preclinical and clinical development, building on the resources and infrastructure investment of both the South African government and Novartis;
 - ✓ Improving South African patients' access to precision medicines;
 - ✓ Building up of the research & development ecosystem in Africa; and
 - ✓ This relationship is managed via the DST Strategic Health Innovation Partnerships (SHIP).

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Knowledge Utilisation for Inclusive Development (2)



Innovation towards decision support

Rural Innovation Assessment Tool

- ✓ Rural Innovation Assessment Tool (RIAT) is a tool that enables users to unearth rural innovations, envision a prosperous future for a local economy, and identify interventions that have the potential to be high impact catalysts.
- ✓ During the reporting period, the DST and HSRC conducted a seminar which was attended by over 70 Local Economic Development (LED) officials from selected rural municipalities and rural-based universities under the banner of *Owning tools for local innovation assessments: Benefits for local municipalities*.
- ✓ The seminar provided a platform for RIAT's participants to share their experiences in utilising the tool set.
- ✓ The major outcomes of the seminar included strengthening relations between municipalities and universities in relation to LED activities, and an establishment of a Community of Practice involving all RIAT participants, in order to continue expanding the gains of RIAT in those municipalities.

2/1/2018

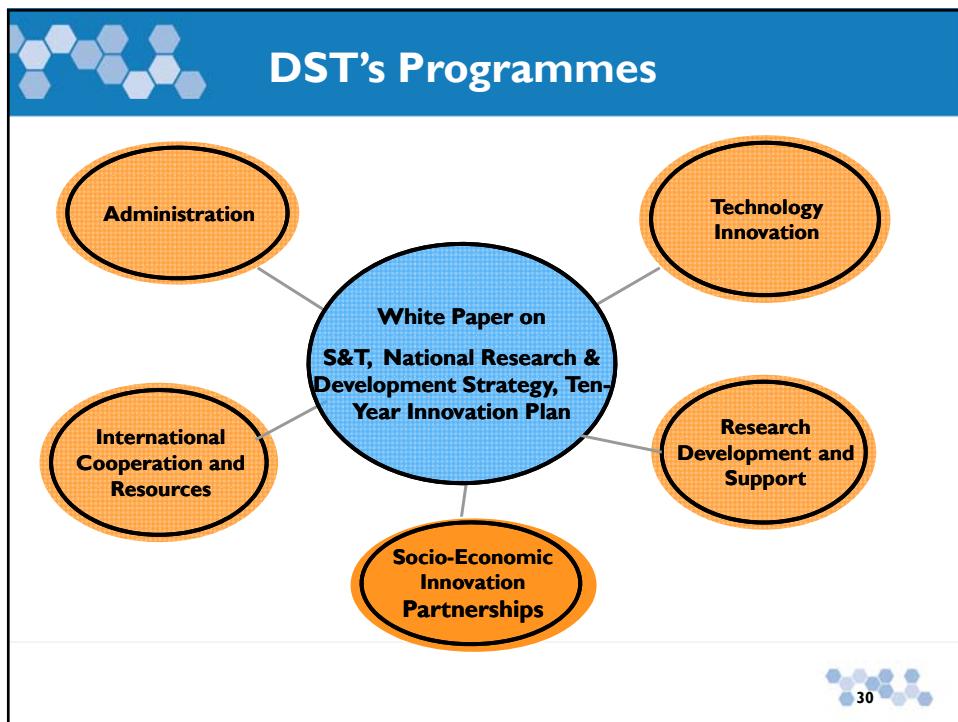
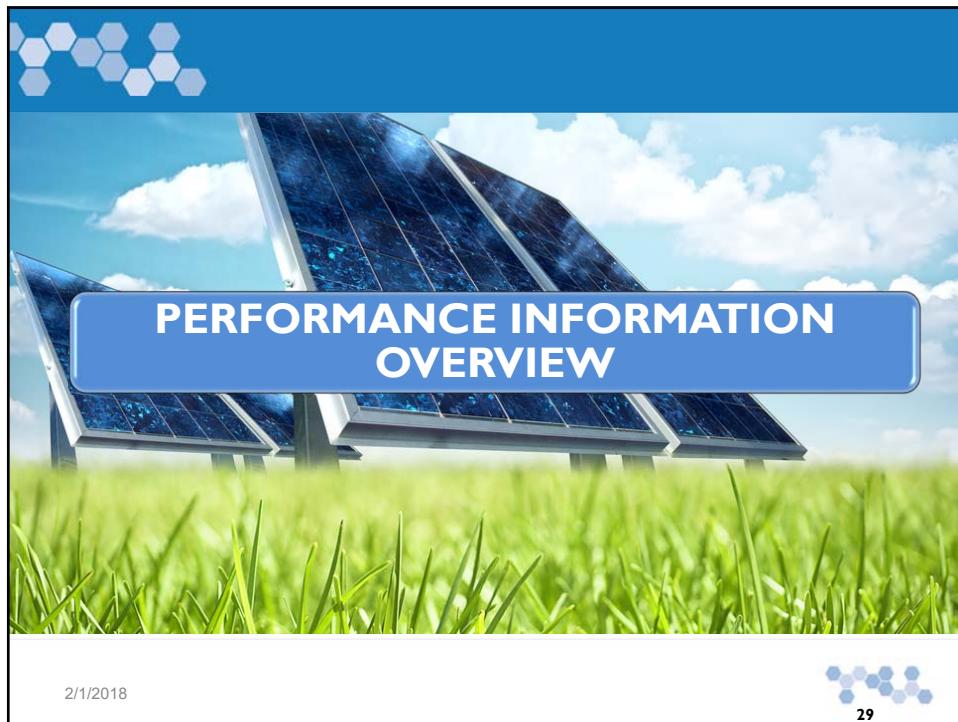
27

International Cooperation and Resources

-  ✓ The South Africa -Japan Universities forum was hosted in Japan to build and strengthen networks for universities that would prepare them for bilateral, trilateral and poly lateral research collaborations.
-  ✓ The DST signed a Memorandum of Understanding with Chile with the intention to expand relations with the Americas - Countries in the Americas present different strengths in science.
-  ✓ An MoU was signed with Denmark in the area of technology and innovation.
-  ✓ The Bi-National Commission with Mozambique reported progress on the S&T agreement with three jointly funded research calls -this resulted in over 20 research projects.
- ✓ Also, there was progress in the implementation of the SKA/AVN project in setting up the Astrophysics laboratory complete with 20 personal computers and a two-Antenna Interferometer at the University of Eduardo Mondlane, Mozambique .

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Overall DST's Performance per Programme (1)

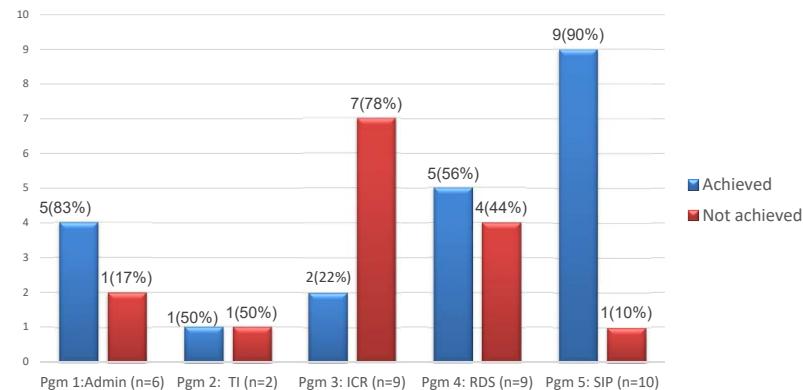
Figure 2 below illustrates the performance of the Department per Programme in the second quarter.

- Programme 1 achieved 83%.
- Programme 2 achieved 50%.
- Programme 3 achieved 22%.
- Programme 4 achieved 56%.
- Programme 5 achieved 90%.

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Overall DST's Performance per Programme (2)

Figure 2: The DST second quarter performance per Programme



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Programme I

Purpose of the Programme (I)

Programme I: Administration

To conduct the overall management and administration of the Department.



Department:
National Treasury
REPUBLIC OF SOUTH AFRICA



Department:
The Presidency
REPUBLIC OF SOUTH AFRICA



AUDITOR - GENERAL
SOUTH AFRICA
Auditing to build public confidence



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Programme I Performance

Quarter 2 achievements - Administration

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
DST public entities' 2018/19 annual performance plans and CSIR shareholder compacts signed by the Minister and the Chairperson of the board and annual reports approved by the Minister by 31 March 2018.	First draft APPs for the DST public entities were submitted to National Treasury (NT) and DPME by 31 August 2017.	First draft APPs for the DST public entities were submitted to National Treasury (NT) and Department of Planning, Monitoring and Evaluation (DPME) 31 August 2017.	Achieved
DST public entities' 2018/19 annual performance plans and CSIR shareholder compacts signed by the Minister and the Chairperson of the board and annual reports approved by the Minister by 31 March 2018.	Annual reports of the public entities tabled in Parliament by 30 September 2017.	Annual reports public entities were tabled in Parliament by 30 September 2017.	Achieved
24 media articles written to raise the DST's public profile by 31 March 2018.	8 media articles written to raise the DST's public profile.	Nine media articles were written to raise the DST's public profile.	Achieved



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Programme I Performance

Quarter 2 achievements - Administration

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
10 public participation programmes held by 31 March 2018.	2 public participation programmes held.	Four public participation programmes were held.	Achieved
Unqualified audit (clean audit) opinion with no financial matters in the audit report.	Unqualified audit (clean audit) opinion with no financial matters in the audit report.	The Department obtained unqualified audit report in the 2016/17 financial year.	Achieved

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Programme 2

Purpose of the Programme (2)

Programme 2: Technology Innovation

To enable research and development in strategic and emerging focus areas to promote the realisation of commercial products, processes and services from R&D outputs; through the implementation of enabling policy instruments.



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Programme 2 Performance

Quarter 2 achievements – Programme 2:Technology Innovation

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
27 regulatory recommendations for decision support by government by 31 March 2018.	Eight regulatory recommendations for decision support by government.	12 regulatory recommendations for decision support by government were submitted to the Executive Council of the Department of Agriculture, Forestry and Fisheries.	Achieved

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Programme 3

Purpose of the Programme (3)

Programme 3: International Cooperation and Resources

This Programme aims to strategically develop, promote and manage international relationships, opportunities and S&T agreements that strengthen the NSI and enable an exchange of knowledge, capacity and resources between South Africa and its regional and international partners.



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Programme 3 Performance

Quarter 2 achievements - Programme 3: International Cooperation and Resources

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
500 international partner organisations (i.e. legal entities) collaborating with South African partners within the formalised framework of collaborative research, innovation or STI HCD projects counted as part of cooperation initiatives facilitated by the DST by 31 March 2018.	50 international partner organisations (i.e. legal entities) collaborating with South African partners within the formalised framework of collaborative research, innovation or STI HCD projects counted as part of cooperation initiatives facilitated by the DST.	67 international partner organisations (i.e. legal entities) collaborating with South African partners within the formalised framework of collaborative research, innovation or STI HCD projects counted as part of cooperation initiatives facilitated by the DST.	Achieved
R80m in international funds directly invested in African regional and continental research, innovation, STI HCD or research infrastructure programmes as a result of DST facilitation by 31 March 2018.	R5m in international funds directly invested in African regional and continental research, innovation, STI HCD or research infrastructure programmes as a result of DST facilitation.	R10.3m in international funds directly invested in African regional and continental research, innovation, STI HCD or research infrastructure programmes as a result of DST facilitation.	Achieved

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Programmes 4

Purpose of the Programme (4)

Programme 4: Research Development and Support

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




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Sampled Programme 4 Performance

Quarter 2 achievements - Programme 4: Research Development and Support

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
No fewer than 3 100 PhD students awarded bursaries through Programme 4 funds as reflected in the NRF and relevant entities by 31 March 2018.	No fewer than 2 352 PhD students awarded bursaries through Programme 4 funds.	No fewer than 3 065 PhD students awarded bursaries through Programme 4 funds.	Achieved
800 graduates and students placed in DST-funded work preparation programmes in SETI institutions by 31 March 2018.	600 graduates and students placed in DST-funded work preparation programmes in SETI Institutions.	747 graduates and students placed in DST-funded work preparation programmes in SETI Institutions.	Achieved

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Programme 4 Performance

Quarter 2 achievements - Programme 4: Research Development and Support

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
No fewer than 4 500 researchers awarded research grants through NRF-managed programmes as reflected in the NRF project reports by 31 March 2018.	No fewer than 3 404 researchers awarded research grants through NRF-managed programmes.	No fewer than 3 863 researchers awarded research grants through NRF-managed programmes.	Achieved
64-antenna commissioned for a single polarisation array by 31 March 2018.	SKA SA Project approve progress report with reference to baseline plan provided by 30 September 2017.	Progress report approved by SKA SA by 30 September 2017 with reference to the baseline plan.	Achieved

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Programme 4 Performance

Quarter 2 achievements - Programme 4: Research Development and Support

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
Approx. 2 million participants (learners and members of the public) in science awareness and engagement programmes annually as reflected in the project reports of the NRF and other service providers by 31 March 2018.	National Science Week held by 30 September 2017.	National Science Week was held by 30 September 2017.	Achieved

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Programme 5

Purpose of the Programme (5)

Programme 5: Socio-Economic Innovation Partnerships

This Programme enhances the growth and development priorities of government through targeted S&T-based innovation interventions and the development of strategic partnerships with other government departments, industry, research institutions and communities.




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Sampled Programme 5 Performance

Quarter 2 achievements - Programme 5: Socio-Economic Innovation Partnership			
Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
6 knowledge products on innovation for inclusive development published by 31 March 2018.	First draft of the six identified policy briefs on innovation for inclusive development developed by 30 September 2017.	First draft of the six identified policy briefs on innovation for inclusive development developed.	Achieved
8 decision-support systems introduced, maintained and improved by 31 March 2018.	Monitor the implementation of the work plans for the 7 existing decision support systems and approval finalised for the one additional decision support system by 30 September.	Nine existing decision support systems work plans were monitored.	Achieved
9 learning interventions (seminars) generated 31 March 2018.	Two learning interventions.	Five learning interventions were generated.	Achieved

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Sampled Programme 5 Performance

Quarter 2 achievements - Programme 5: Socio-Economic Innovation Partnership			
Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
90 honours, master's and doctoral students fully funded or co-funded in designated niche areas that support the green economy and sustainable development by 31 March 2018	Ongoing monitoring of the initiatives was done by 31 September 2017	Ongoing monitoring of the initiatives was done by 31 September 2017	Achieved
4 knowledge and innovation products (patents, prototypes, technology demonstrators and technology transfer packages) added to the IP portfolio through fully funded or co-funded research by 31 March 2018	Monitoring of progress against 2 innovation products by 30 September 2017	Monitoring of progress against 2 innovation products was done in the first quarter. The target was achieved in first quarter	Achieved
17 knowledge and innovation products (patents, prototypes, technology demonstrators or technology transfer packages) added to the innovation product portfolio by 31 March 2018	Finalised negotiations with implementing agency for one Knowledge and innovation products to be added to the innovation product portfolio by 30 September 2017	Finalised negotiations with implementing agency for one Knowledge and innovation products. I. Gas Hydrate technology for constructed and experiments being performed (technology demonstrator)	Achieved

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Sampled Programme 5 Performance

Quarter 2 achievements - Programme 5: Socio-Economic Innovation Partnership

Annual Target	Quarter 2 Target	Quarter 2 Progress	Status
six instruments funded in support of increased localisation, competitiveness and R&D-led industry development by 31 March 2018.	Six instruments were funded in support of increased localisation, competitiveness and R&D-led industry development in aerospace, advanced manufacturing, chemicals, mining, advanced metals and ICTs.	Six instruments were funded in support of increased localisation, competitiveness and R&D-led industry development in aerospace, advanced manufacturing, chemicals, mining, advanced metals and ICTs. The target was achieved in first quarter.	Achieved
Two innovation-support interventions funded or co-funded that strengthen provincial or rural innovation systems by 31 March 2018	Project proposal and contracting finalised by 30 September 2017.	Project proposal and contracting finalised by 30 September 2017.	Achieved
Six statistical reports and policy briefs submitted to Cabinet by 31 March 2018.	Produce drafts and gather inputs from/ validate with relevant stakeholders per policy brief.	Draft reports produced for policy briefings.	Achieved

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Underperformance



TARGETS WHICH WERE NOT ACHIEVED

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Classification of reasons for variances due to non / under achievement

- ❑ Process delays – refers to factors which are outside the control of the DST and therefore achievement of such targets is mainly dependent on outside circumstances.
- ❑ Ineffectiveness of implementers – refers to non-achievement due to deficiencies during the implementation phase.
- ❑ Target formulation deficiencies – refers to targets which were not achieved because of variables which were not foreseen during the target formulation phase.

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DST's Underperformance Overview

Quarter 2 targets which were not achieved

Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
Vacancy rate capped at 10%.	Vacancy rate capped at 10.5%,	Compensation budget cuts from the National Treasury.	Not Achieved	Process delays
Seven instruments funded in support of knowledge utilisation.	Four instruments funded in support of knowledge utilisation.	There was a delay in the payment for the 3 HySA CoCs.	Not Achieved	Ineffectiveness of implementers
R50m in international funds directly invested in research, innovation and STI HCD programmes as well as research infrastructure investments in South Africa as part of cooperation initiatives implemented by the DST.	R2,48m in international funds directly invested in research, innovation and STI HCD programmes as well as research infrastructure investments in South Africa as part of cooperation initiatives implemented by the DST.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers

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DST's Underperformance Overview				
Quarter 2 targets which were not achieved				
Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
R50m invested by international partners in their own organizations and initiatives but targeted at cooperation in research, innovation and STI HCD with South African partners as part of cooperation initiatives implemented by the DST.	R5, 468m invested by international partners in their own organisations and initiatives but targeted at cooperation in research, innovation and STI HCD with South African partners as part of cooperation initiatives implemented by the DST.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers
20 South African students participating in international training programmes offering a postgraduate qualification as part of cooperation initiatives facilitated by the DST.	Four South African students participating in international training programmes offering a postgraduate qualification as part of cooperation initiatives facilitated by the DST.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers

DST's Underperformance Overview				
Quarter 2 targets which were not achieved				
Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
5 dedicated international technical exchanges to build or reinforce South Africa's capacities in key STI domains specifically referenced in the DST Strategic Plan, undertaken with the support of international partners and facilitated by the DST.	Four dedicated international technical exchanges to build or reinforce South Africa's capacities in key STI domains specifically referenced in the DST Strategic Plan, undertaken with the support of international partners and facilitated by the DST.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers

DST's Underperformance Overview				
Quarter 2 targets which were not achieved				
Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
5 AU or SADC STI initiatives, including programmes, projects or governance frameworks, endorsed at AU or SADC ministerial level supported (financially or in kind) by the DST.	One AU or SADC STI initiatives, including programmes, projects or governance frameworks, endorsed at AU or SADC ministerial level supported (financially or in kind) by the DST.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers
Two formally recorded decisions made in intergovernmental STI forums, such as Multilateral organisations, with a direct bearing on resource allocation to support priorities of government's Programme of Action following specific DST intervention	One formally recorded decisions made in intergovernmental STI forums, such as multilateral organisations, with a direct bearing on resource allocation to support priorities of government's Programme of Action following specific DST intervention.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers

DST's Underperformance Overview				
Quarter 2 targets which were not achieved				
Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
Two leadership positions occupied by South Africa in international STI governance structures relevant to influencing resource allocation to support priorities of government's Programme of Action following specific DST Intervention.	One leadership positions occupied by South Africa in international STI governance structures relevant to influencing resource allocation to support priorities of government's Programme of Action following specific DST Intervention.	Awaiting evidence from international partners.	Not Achieved	Ineffectiveness of implementers
No fewer than 8 100 pipeline postgraduate students (BTech and honours, and master's students) awarded bursaries from Programme 4 funds.	No fewer than 7 955 pipeline postgraduate students (BTech and honours, and master's students) awarded bursaries from Programme 4 funds.	Target under-achieved by 1.7% (142 students), which is an immaterial deviation because the quarterly performance cannot be predicted or managed within closer margins because it depends on the pool of applicants, which cannot be perfectly predicted.	Not Achieved	Ineffectiveness of implementers

DST's Underperformance Overview				
Quarter 2 targets which were not achieved				
Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
Contracting with SARIR hosting entities finalised by 30 September.	No contracts signed as yet with the host institutions for SARIR projects, however, eight grants have been awarded during this reporting period.	The contracting with host institutions for SARIR projects could not be finalised in the second quarter due to delays in the revision of the proposals for the SARIR projects earmarked for implementation in 2017/18.	Not Achieved	Target formulation deficiencies
New links and upgrade plan finalised by 30 September 2017.	The new links and upgrade plans were not finalised.	There is a delay in the technical evaluation tender process to upgrade SANReN equipment at the endpoint of the fibres.	Not Achieved	Target formulation deficiencies

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DST's Underperformance Overview				
Quarter 2 targets which were not achieved				
Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
Parties to MoU identified by 30 September 2017	No parties to MoU were identified by the reporting period. However, a template has been successfully negotiated with ACCESS. It is being finalized and will be submitted by October 2017. The template will be accompanied by a list of parties that have signed up with ACCESS.	Delays in submitting the MOU template as well as a list of parties to ACCESS membership and research collaboration resulted from 1) long negotiations amongst the ACCESS community to agree on standard templates for ACCESS membership and MOUs/ collaborative agreements, and 2) the Acting ACCESS Director being on leave for an extended period.	Not Achieved	Ineffectiveness of implementers

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DST's Underperformance Overview

Quarter 2 targets which were not achieved

Quarter 2 Target	Quarter 2 Progress	Reasons for non-achievement	Status	Variance Classification
Preapproval decisions provided within 90 days	None of the decisions was provided within the targeted 90 days. By 30 September 2017, 22 of the 54 applications of 2017 received decisions. Average number of days in providing decisions was 135, an improvement from the previous quarter's performance.	As in Quarter 1, available capacity was used largely for clearing the pre-2017 applications, which required more time due to the complexity of those applications.	Not Achieved	Ineffectiveness of implementers

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Measures taken to address the underperformance

- Both the DST executive and the Minister noted the underperformance in three Programmes, namely, Programme 3, which did not achieve 78% of its quarterly targets, Programme 2 (50%) and Programme 4 (44%).

Strategic Action Taken

- The DDGs whose programmes have not met some of their quarterly targets were requested to identify challenges and develop improvement plans to ensure targets are met. The implementation of the performance improvement plans will be monitored and reported during the presentation of the third quarter report at Exco.
- To address the non-availability of supporting evidence was the main reason for the poor performance reported, the DST through the DG's Office will continue to ensure the implementation of the Exco approved roles and responsibilities document including the declaration forms that are meant to hold the Chief Directors (as the custodians of the reported performance information) and Deputy Directors-General, who are accountable for the reported performance information.
- The resolutions taken during the extended Exco of 15 December 2017 on performance management to improve data quality integrity will be diligently implemented.

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