



science  
& technology

Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

Private Bag X894, PRETORIA, 0001, RSA. DST Building 53, CSIR Scientia Campus, Meiring Naude Road,  
Brummeria, PRETORIA, 0184. Tel: +27 12 843 6300, Fax: +27 12 349 1030

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# DST Briefing to the Parliamentary Select Committee

## 09 May 2007

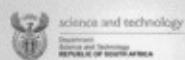
## Room V227, Old Assembly, Parliament

Lefapha la Saense le Thekenoloji • uMnyango wezeSayensi neTheknoloji • Muhasho wa Saints na Thekinolodzhi • Departement van Wetenskap en  
Tegnologie • Kgoro ya Saense le Theknoloji • Ndzawulo ya Sayense na Theknoloji • LiTiko leTesayensi neTheknoloji • ISebe lezeNzululwazi  
neTeknoloji • UmNyango wezeSayensi neTheknoloji

# DST

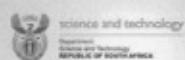
## Budget & Strategic Plan 2007/08- 2009/10

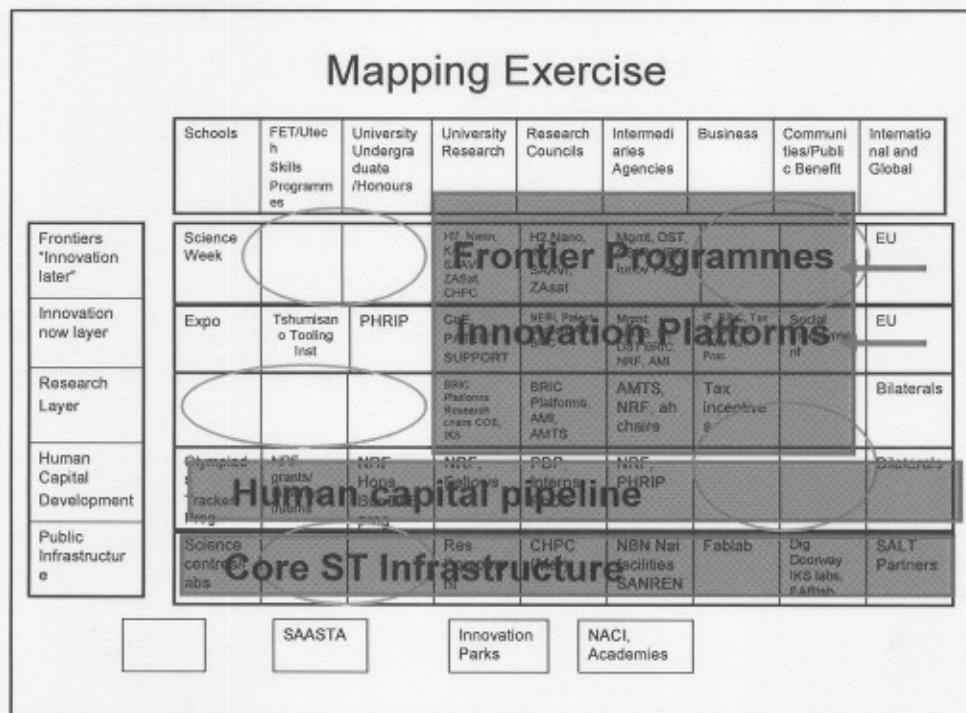
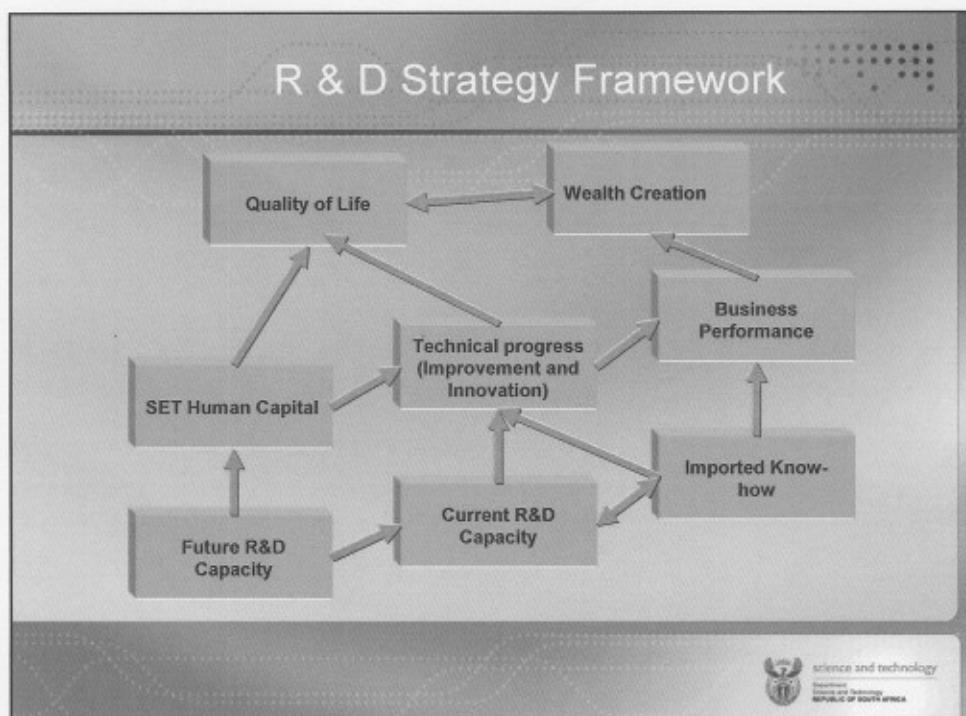
06 March 2007

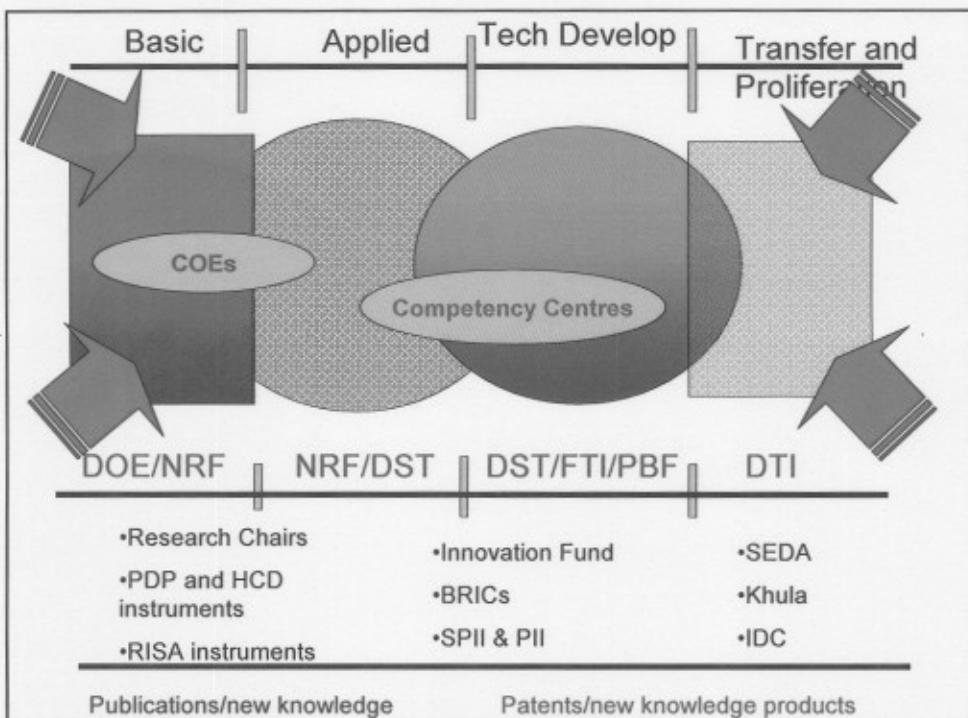


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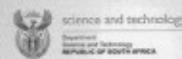


## DST Strategic Initiatives

- 10 year plan process initiated
- Foundation for Technological Innovation
- Foundation for Public Goods
- Competency Centres
- National Human Capital Strategy

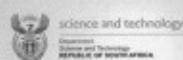
## Achievements – Highlights

- New DST structure approved & implemented with effect from 01 October 2006
- System-wide reviews completed
- Innovation fund has matured and is increasingly successful
- Space Agency for South Africa approved
- Tax incentives for R&D approved
- IPR from publicly funded research



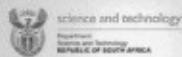
## Achievements – Highlights (cont.)

- R10mil of international leveraging money has brought R80mil to SA science from foreign sources
- International Centre for Genetic Engineering and Biotechnology (Africa Node) will be in Cape Town
- SumbandilaSAT construction completed
- Short-listed for hosting SKA
- Completed design of KAT prototype dish
- Attracted significant foreign direct investment in local biotechnology industry

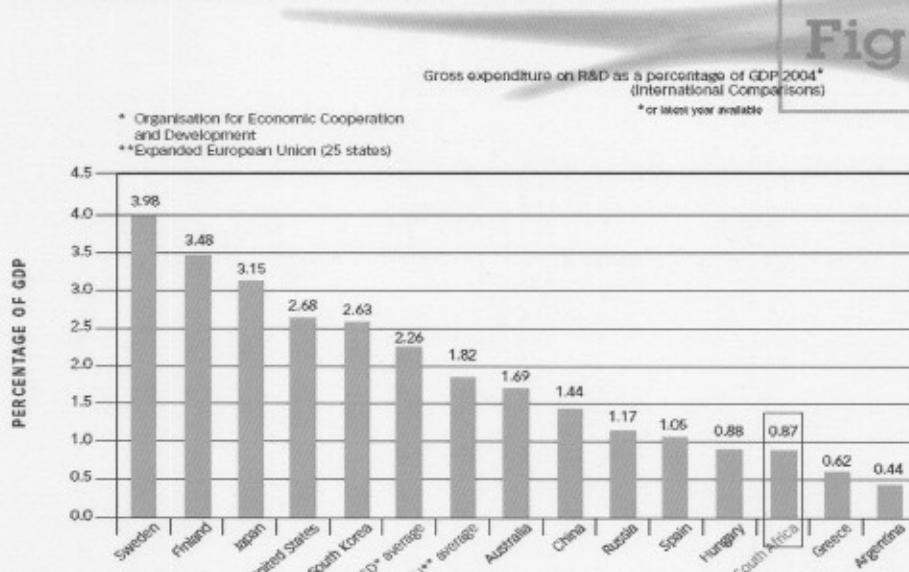


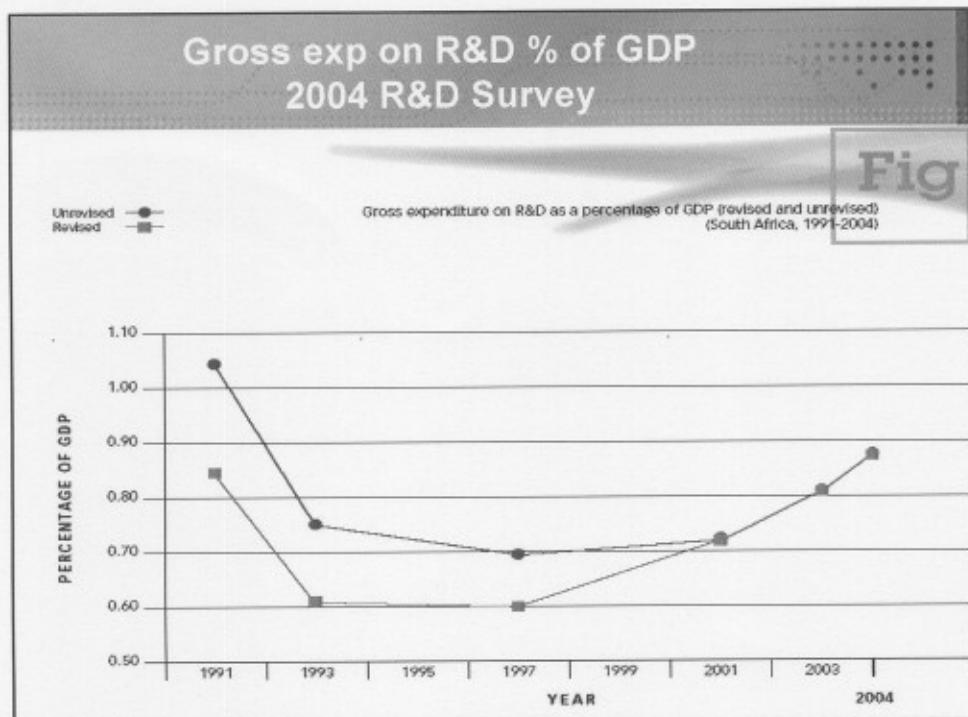
## Achievements – Highlights (cont.)

- New infrastructure funding
  - High Performance Computing Centre on track
  - South African Research Network plan coordinated with DPE InfraCo proposals
  - Nanotechnology second equipment call finalised
  - Research equipment call finalised (heavily over-subscribed)
- SARCI (research chairs)
  - First call allocated
  - Second call in process



## Gross Exp on R&D as % of GDP From R&D Survey of 2004





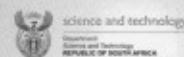
**Options for 2007 MTEF**

Themes	2007/08	2008/09	2009/10
<u>Leveraging strategic research and development</u>	391	536	827
<u>S&amp;T engineering</u>			
<u>Human resources</u>	245	446	560
<u>S&amp;T policy planning, M&amp;E</u>	57	61	71
<b>Infrastructure</b>			
<u>S&amp;T core Infrastructure</u>	661	763	752
<u>SKA 10%</u>	-	200	300
<b>TOTAL</b>	<b>1,354</b>	<b>2,006</b>	<b>2,510</b>


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## Absorptive Capacity of S&T system for new funding

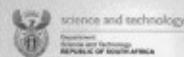
- Innovation and research funding oversubscribed – need new centres of excellence, more chairs in outer years
- NRF human capital spending need increase in both reach and grant size
- Research equipment: heavily oversubscribed in most recent NRF call
- New large infrastructure programmes are based on dedicated delivery teams that are in place already



## Expenditure Estimates

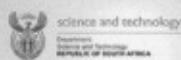
Rm	2006/7	2007/8	2008/9	2009/10
Programme				
Administration	217	85	90	97
RDI	406	546	789	1,026
ICR	123	118	145	158
HC&KS	863	1,257	1,422	1,571
SEP	1,008	1,135	1,193	1,236
	<b>2,617</b>	<b>3,142</b>	<b>3,639</b>	<b>4,088</b>
Change to 2006 baseline		234	389	
% change to 2006 baseline	Note 1	8%	12%	

Note 1 = incremental growth > inflation expectations



## New Funding

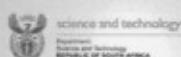
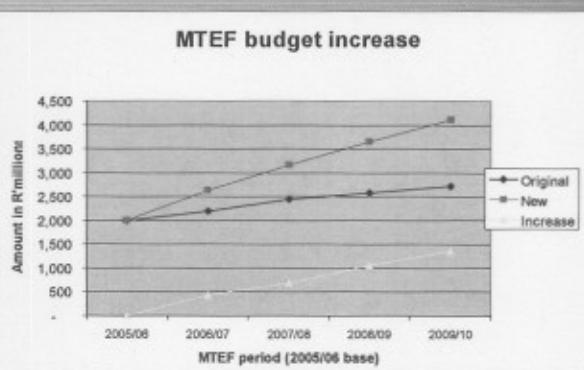
- 10% SKA,
- Human Capital Development Strategy
- Core R&D infrastructure
- S&T policy planning, M&E



## MTEF Comparison

### Main increase due to:

- New R & D strategy funding
- New Infrastructure funds



## MTEF Allocation

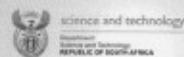
R Thousand

Economic Classification	2007/08	2008/09	2009/10
Opex pymnts	222,226	256,958	284,196
Transf & Subs	2,917,799	3,380,159	3,801,644
Capital pymnts	2,454	2,380	2,521
<b>Total Budget</b>	<b>3,142,479</b>	<b>3,639,497</b>	<b>4,088,361</b>

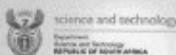
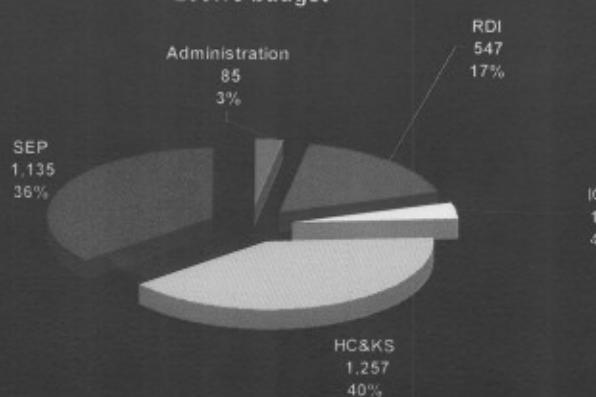
% current pymnts 7%

% transf & subs 92.9%

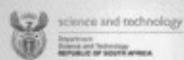
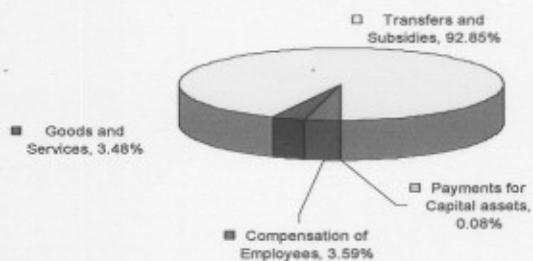
% capital pymnts 0.1%



2007/8 budget

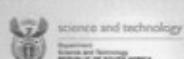


## Economic classification of Expenditure

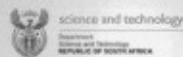


## Public entities

Rm	2006/7	2007/8	% incr	2008/9	% incr	2009/10	% incr
CSIR	483	517	7%	545	5%	571	5%
NRF	587	650	11%	686	6%	693	1%
HSRC	120	156	30%	157	1%	150	-4%
AISA	25	27	8%	28	4%	27	-4%
ARC (Public Assets)	43	43	0%	45	5%	48	7%
SANER	40	42	5%	44	5%	46	5%
Tshwane	24	36	50%	36	0%	36	0%
ASSA	3	3	0%	4	33%	4	0%



Major programmes							
R'm	2006/7	2007/8	% incr	2008/9	% incr	2009/10	% incr
Biotechnology	148	167	13%	176	5%	176	0%
Innovation Fund	128	142	11%	149	5%	152	2%
SKA	19	104	447%	290	179%	484	67%
KS	5	5	0%	5	0%	17	240%
Science & Youth	20	29	45%	43	48%	55	28%
Science Themes	51	40	-22%	42	5%	58	38%
HRD	55	184	235%	237	29%	266	12%
Frontier science	48	105	119%	145	38%	154	6%
Global Science	24	40	67%	42	5%	45	7%
Sustainable livelihoods	52	56	8%	59	5%	62	5%
SSA	15	16	7%	17	6%	17	0%

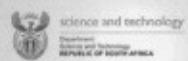


Legislation 2007		
Legislation	Date, Cabinet Comm	Cabinet Meeting
Intellectual Property Right from Publicly Financed Research Bill	13 March Governance & Admin, Economic Sector	20 March 2007
South Africa Academy of Engineering Bill	September Governance & Admin	16 September 2007
Inventions Development Amendment Bill	24 April Governance & Admin Economic Sector	16 May 2007
Space Agency Bill	08 May Governance & Admin	30 May 2007



## Summary

- Contribute to economic growth and job creation
- Develop human resources
- Provide required infrastructure
- R&D innovation
- Maintain focus on new technologies



**Siyabonga  
Re a leboga  
Thanks**

