



National Advisory Committee on Innovation

**CORPORATE BUSINESS PLAN
2006**

A SUMMARY OVERVIEW

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1. Cabinet Requested Tracking Public R&D Expenditure

Study

- Purpose of project: The study responds directly to Cabinet's request that output measures be introduced to complement the current national R&D Survey.
- Total budget: R2,336,726.40 (incl. VAT).
- Project Manager: Prof. Michael Kahn (external), and Dr. Sagren Moodley (NACI)
- Signing of contract: 01 March 2006
- 1st tranche of funds: 50% of total cost to be paid to the HSRC on 15 March 2006
- 2nd tranche of funds: Remaining 50% of total cost to be paid to the HSRC on completion of Tracking Study and submission of a Draft Cabinet Memo and Synthesis Report.

I: EXPERT WORKSHOP

- Objective: A dedicated 2 day expert workshop geared to presenting and analysing cutting-edge approaches to measuring the output/impact of R&D initiatives.
- Date: 24-25 April 2006
- Venue: Sheraton Hotel
- Invited Speakers: Dr. Ulrich Schmoch (Fraunhofer Institute, Germany), Prof. Sunil Mani (CDS, India), Dr. Ammon Salter (Imperial College, London), and Dr. Johan Hauknes (STEP, Norway).
- Budget: R500k
- Project Managers: Prof. Michael Kahn and Dr. Sagren Moodley
- Service Provider: CeSTII
- Outputs: Conceptual model and published workshop proceedings

II: CASE STUDIES OF FIRMS RECOGNISED AS SETI LEADERS

- Objectives:
 - ⇒ To identify the resources (especially public ones) that firms use;
 - ⇒ To ascertain what the outcomes are; and
 - ⇒ To determine what the firms' perceptions of public R&D support instruments are.
- Budget: R210k
- Service Provider: Prof. Dave Kaplan (GSB, UCT)
- Output: Report
- Time frame: 30 June 2006

III: LONGITUDINAL STUDY COMPARING SMALL SAMPLES OF SET PHD GRADUATES AND NON-PHDS

- Objective: To determine at the individual level what differences investment in graduate studies in SET have made in terms of direct and indirect contributions to the system of innovation, e.g. contributions to knowledge creation, technology development, the economy (e.g., job creation), and to society (e.g., public leadership).
- Budget: R200k
- Service provider: Dr. Vijay Reddy (HSRC)
- Output: Report
- Time frame: 30 June 2006

IV: BENCHMARKING STUDY

- Objective: To identify South African data on as many of the EU indicators as possible and to:
 - ⇒ Determine where South Africa fits in the hierarchy of that group of nations, and
 - ⇒ To repeat the above analyses using disaggregated South African data at the provincial level.
- Budget: R80k
- Service Provider: CeSTII
- Output: Report
- Time frame: 15 June 2006

V: BIBLIOMETRIC & INVENTORSHIP STUDIES

- Objective: A bibliometric analysis of research outputs and an inventorship analysis of patents (technology outcomes).
- Budget: R400k
- Service Provider: Crest (Prof. Mouton) & ITI (Prof. Pouris)
- Output: Report
- Time frame: 30 June 2006

VI: INNOVATION SURVEY

- Objective: To draft a set of research questions for analysis by CeSTII that will complement the current Oslo-based Innovation Survey.
- Budget: R75k
- Service Provider: Prof. Kahn, CeSTII
- Output: Report
- Time frame: 15 August 2006

VII: R&D SURVEY

- Objective: To draft a set of research questions for analysis by CeSTII that will complement the current Frascati-compliant R&D Survey.
- Budget: R75k
- Service Provider: Prof. Kahn, CeSTII
- Output: Report
- Time frame: 30 June 2006

VIII: PAIR-WISE COUNTRY COMPARISONS

- Objective: To distil lessons from critical choices countries have made with regard to development, and the role of STI in the process.
- Budget: R80k
- Service Provider: Prof. Sunil Mani
- Output: Report
- Time frame: 30 June 2006

IX: SYNTHESIS REPORT & CABINET MEMO

- Objective: To consolidate the key findings and recommendations that have emanated from the suite of studies into a coherent and systematic synthesis document.
- Budget: R100k
- Service Provider: Prof. Kahn, CeSTII
- Outputs: Interim Report (CeSTII), Final Report (CeSTII) & Draft Cabinet Memo (CeSTII)
- Time frame: 30 June (Interim Report); 29 August 2006 (Cabinet Memo); 1 September 2006 (Final Report)
- Approval by SC 3: 11 September 2006
- Approval by Exco: 14 September 2006

2. Profile of Best Practices in the NSI

- Objective: To produce a profile of best practices in key spheres that account for a significant portion of the productivity, effectiveness and efficiency of the NSI.
- Signing of contract: 1 March 2006
- Budget: R397,740
- Service Provider: Prof. Pouris (ITI)
- 1st tranche of funds: 50% of total cost to be paid to the UP on 15 March 2006
- 2nd tranche of funds: Remaining 50% of total cost to be paid to UP on completion of Tracking Study and submission of a synthesis report.
- Output: Report & Ministerial Advice
- Time frame:
 - ⇒ Report: Prof. Pouris (30 June 2006)
 - ⇒ Ministerial Advice: Dr. Hermi Boraïne (07 August 2006)

- Approval by Sub-committee 1 : Infrastructure for Innovation Promotion (Convenor – Dr. Steve Lennon) – 14 July 2006
- Approval by Exco: 10 August 2006
- Project Manager: Dr. Hermi Boraine

3. Local & Provincial Innovation Systems

- Objective: To assess the status and needs of, and the potential for, local & provincial innovation systems.
- Signing of contract: 1 March 2006
- Budget: R715,940
- Service Provider: Prof. Jo Lorentzen (HSRC)
- 1st tranche of funds: 50% of total cost to be paid to the HSRC on 15 March 2006
- 2nd tranche of funds: Remaining 50% of total cost to be paid to the HSRC on completion of Tracking Study and submission of a synthesis report.
- Output: Report & Ministerial Advice
- Time frame:
 - ⇒ Report: Prof. Jo Lorentzen (31 July 2006)
 - ⇒ Ministerial Advice: Dr. Sagren Moodley (8 September 2006)
- Approval by Sub-committee 1 : Infrastructure for Innovation Promotion (Convenor – Dr. Steve Lennon) – 14 August 2006
- Approval by Exco: 14 September 2006
- Project Manager: Dr. Sagren Moodley

4. Physical Infrastructure: Secondary School Component

- Objective: To determine the required laboratory equipment & systems to support secondary school education.
- Signing of contract: 1 March 2006
- Budget: R142,500
- 1st tranche of funds: 50% of total cost to be paid to the HSRC on 15 March 2006
- 2nd tranche of funds: Remaining 50% of total cost to be paid to the HSRC on completion of Tracking Study and submission of a synthesis report.
- Service Provider: Dr. Vijay Reddy (HSRC)
- Output: Report & Ministerial Advice
- Time frame:
 - ⇒ Report: Dr. Vijay Reddy (28 July 2006)
 - ⇒ Ministerial Advice: Dr. Sagren Moodley (31 August 2006)
- Approval by Sub-committee 1 : Infrastructure for Innovation Promotion (Convenor – Dr. Steve Lennon) – 15 August 2006
- Approval by Exco: 14 September 2006
- Project Manager: Dr. Sagren Moodley

5. Physical Infrastructure: Competitiveness Component

- Objective: To determine the required physical infrastructure to support a productive & sustainable NSI in South Africa.
- Signing of contract: 1 March 2006
- Cost: R387,600
- Service Provider: Dr. Anthon Botha (TechnoScene)
- 1st tranche of funds: 50% of total cost to be paid to Technoscene on 15 March 2006
- 2nd tranche of funds: Remaining 50% of total cost to be paid to Technoscene on completion of Tracking Study and submission of a synthesis report.
- Output: Report & Ministerial Advice
- Time frame:
 - ⇒ Report: Dr. Anthon Botha (30 June 2006)
 - ⇒ Ministerial Advice: Dr. Hermi Boraine (04 August 2006)
- Approval by Sub-committee 1 : Infrastructure for Innovation Promotion (Convenor – Dr. Steve Lennon) – 14 July 2006
- Approval by Exco: 10 August 2006
- Project Manager: Dr. Hermi Boraine

6. Investigating the Dynamics Leading to Competitiveness

- Objective: To investigate the dynamics leading to innovation and competitiveness.
- Signing of contract: 1 March 2006
- Cost: R529,350
- Service Provider: Rob Mulder (Isambulo AMI)
- 1st tranche of funds: 50% of total cost to be paid to Isambulo AMI on 15 March 2006
- 2nd tranche of funds: Remaining 50% of total cost to be paid to Isambulo AMI on completion of the first phase.
- Output: Report & Ministerial Advice
- Time frame:
 - ⇒ Report: Mr Rob Mulder (30 June 2006)
 - ⇒ Ministerial Advice: Charles Mokonoto (04 August 2006)
- Approval by Sub-committee 3 : STI and Competitiveness (Convenor – Dr. John Stewart) – 14 July 2006
- Approval by Exco: 10 August 2006
- Project Manager: Charles Mokonoto

7. Human Capital and the Knowledgebase

- Objective: To produce a profile of the South African knowledgebase and to conduct a literature survey on the concept of a knowledgebase.
- Signing of contract: April 2006. Adjustment of time frame: May 2006
- Cost: R395 808

- Service Provider: Prof. Johann Mouton (CREST in partnership with Centre for Science and Technology Studies in Leiden)
- 1st tranche of funds: 50% of total cost to be paid CREST on finalization of contract (end of May 2006)
- 2nd tranche of funds: Remaining 50% of total cost to be paid on submission of final report.
- Output: Report & Ministerial Advice
- Time frame:
 - ⇒ Report: Prof. Mouton (15 September 2006)
 - ⇒ Ministerial Advice: Dr. Boraine (October 2006)
- Approval by Sub-committee 2 : Human Capital and Knowledgebase (Convenor – Dr. K Mokhele) – end of September 2006
- Approval by Exco: October 2006
- Project Manager: Dr. Hermi Boraine