

Update on the 1996 White Paper Review and Development of the Decadal Plan



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science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

- Background and context
- Progress on systemic interventions
- Review Structure
- Some considerations towards a decadal plan

Background and context ...(I)

From
1996
to
date

- A process of review is necessitated by the need to reflect on progress 20 years post the adoption of the paper
- Need to align the National System of Innovation (NSI) and science technology and innovation (STI) activities with the National Development Plan (NDP) and Vision 2030
- Map out a way forward to enhance the response from STI to socio- economic challenges
 - The current sluggish economy and social challenges (such as food security, energy, water scarcity, health, poverty).

Background and context ...(2)

From
1996
to
date

- A number of reviews have been undertaken of the Science, Technology and Innovation System and recommendations been made on how to strengthen and improve the working of the system.
- E.g. Ministerial Review Committee
Recommendations of 2012

Background and context ...(3)

The 2012 Review proposed a number of systemic interventions

National Council on Research and Innovation (NCRI)	A single grant making agency under the NRF	National Institutes that would attend to developments in various thematic areas <ul style="list-style-type: none">• Astronomy• Polar and Antarctic research• Tuberculosis Research	Enhanced business participation in R & D	Centralisation around data	Institutional Landscape Review
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Progress on systemic interventions

- Institutional Landscape Review
 - Process currently underway with a Ministerial appointed Panel
- Sector Innovation Funds
 - Piloted within the DST, 8 funds established with industry bodies
- National Council on Research and Innovation
 - Strengthened National Advisory Council on Innovation
 - Investigating the possibility of an S & T Act
 - Budget coordination instrument



Progress on systemic interventions

- Single grant making agency
- Centralisation of data
- Enhanced business participation in R & D



Review structure

- Process led by **technical experts** (mainly drawn from the academia)
 - Quality assured by a reference group chaired by a former Vice Chancellor and made up of local and international experts.
 - Final report belongs to NACI, which then submitted it to the Minister.



Review structure

- **What did the review cover?**
 - Considered the White Paper's vision, high level goals
 - Considered various specific initiatives set out,
 - Policy formulation and resource allocation;
 - Regulatory policy;
 - Financing at performance level;
 - Performance;
 - Human resource development (HRD) and capacity building; and
 - Science and technology infrastructure.



Review structure

- The review did not include a detailed analysis of the strengths and weaknesses of the national system of innovation (NSI) or an analysis of the relevance and effectiveness of the existing policy mix (the National Research and Development Strategy and the Ten-Year Innovation Plan).
- We understand that these analyses will have to be conducted in addition to the review, and that they will be used in the development of a new White Paper and Decadal Plan.



A Framework for a Decadal Plan

- NACI is expected to advise the Minister on the new White Paper and Decadal Plan-high-level framework/s to be produced
- Local and international experts to be appointed to provide technical support to NACI and facilitate the foresight exercise to identify key trends, strengths and weaknesses of the NSI and conduct policy performance analysis-resulting in a range of options.
- Broad engagements with various actors will occur throughout the process.



Thank you

