



**Ms Mmampei Chaba: Chief Director: Multilateral
Cooperation and Africa: DSI
Perspectives on building bridges between nations
and strengthen interactions using Science
Diplomacy**

**03 November 2022 12:30-15:30
CSIR ICC, Pretoria, Gauteng**



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Host City



Contents



- **SA's foreign policy**
- **Internationalisation of Science**
- **DST's mandate and the STI Diplomacy Framework**
- **Bilateral Partnerships**
- **Africa Multilateral Partnerships**



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Host City



CSIR
Touching lives through innovation

Foreign policy mandate



- Strategic priorities of the Department of International Relations and Cooperation for the period 2009 – 2012, remains anchored on the following overarching priorities as confirmed by the January 2008 Cabinet Lekgotla and the President’s State of the Nation Address:
 - Consolidation of the **African Agenda**
 - Strengthening of **South-South** Cooperation
 - Strengthening of **North-South** Cooperation
 - Participation in the **Global System of Governance**
 - Strengthening of **Political and Economic Relations**

South Africa’s Foreign Policy is premised on a “**Better South Africa in a better Africa and a better World**”.
South Africa cannot afford to progress and develop alone as an island in the region or the continent.



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Host City



CSIR
Touching lives through Innovation

Science knows no borders



DSI science diplomacy strategy, leveraging a diverse portfolio focused on strategic objectives:

- Share in international experience and expertise: researcher training and mobility
- Leverage foreign investment in South Africa and joint investment with international partners
- Advance African agenda for science, technology and innovation (African Union / Southern African Development Community)
- Influence international science policy agenda in support of national priorities (Sustainable Development Goals)



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Host City



Expanded internationalisation



- Enhanced strategic focus:
 - Transformative international joint research and innovation engagements
 - More inclusive participation, impact and cooperation
 - Building human resources through international mobility
 - Strengthening and growing research infrastructure capabilities
 - Promoting and enhancing STI capabilities in Africa
 - Stimulating STI and trade synergies
 - Attract foreign investment



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



The Strategic Framework for South Africa's (STI) Diplomacy in Africa



Goal: To integrate the NSI's STI engagements with African partner countries to support the continent's socio-economic development through STI through the **pro-development and pro-competitiveness pillars**.

This will be done by pursuing the following White Paper outcome-oriented goals:

- a. Capable **Knowledge Production and management**;
- b. Capability in **Technology Development and Innovation management** ;
- c. Knowledge and **Innovation Utilization for sustainable development**;
- d. Technology **Innovation and Utilization for Industrial competitiveness**; and
- e. **Enhanced RDI commercialisation and Intra-Africa trade** in medium- high-technology products.



Strategic Outputs



- Building STI capacity in Africa
- Strengthened Innovation and Technology Transfer
- Strengthened relationships with international partners
- Strategic preparations for international STI
- Leveraging (other) DST Programme's funding for international STI cooperation
- Impact on international STI organisations
- Develop STI infrastructure in South Africa and the continent
- Improved impact of international engagements



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Host City



STI Framework for engaging in the continent



SA's role in the region, the continent and the South

A need for SA, the region, continent to be seen to:

- Increase STI investments,
 - Improve research capability and ability to absorb new technologies, develop new technologies and become more innovative and competitive,
 - Improve service delivery e.g better infrastructure and healthcare systems,
 - Increase STI contributions to the economy
-
- **increase inter-continental trade in technologies and products,**
 - **Jointly address common developmental challenges,**

Increased investor confidence, portray the region and the continent as a preferred destination for potential partner and collaborators in various fields (science, health, developmental issues, business, etc), creation of jobs, economic growth,



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



African countries prioritisation exercise



- a. South Africa's political interest
- b. Geopolitical influence/ regional influence
- c. Economic factors (GDP, GERD = % of GDP expenditure spent on R&D)
- d. Signatories to the AfCFTA
- e. Common thematic areas of mutual interest
- f. Historical collaboration (track record in joint R&D expenditure)
- g. Innovation Capacity (innovation ecosystem and funding agencies)
- h. Innovation Support (Innovation policies, Global Competitiveness Index)

Very High Priority countries	High Priority countries	Medium Priority countries	Low Priority countries	Very Low Priority countries
Greater improved effort & resources investment on a reciprocal bases, with an expectation on return on investments focusing on pro-competitiveness pillar		Focus on the pro-development pillar and a 60:40 or 70:30 co-funding	Engagement on a case-to-case basis and through trilateral related activities with donor organisation	



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA

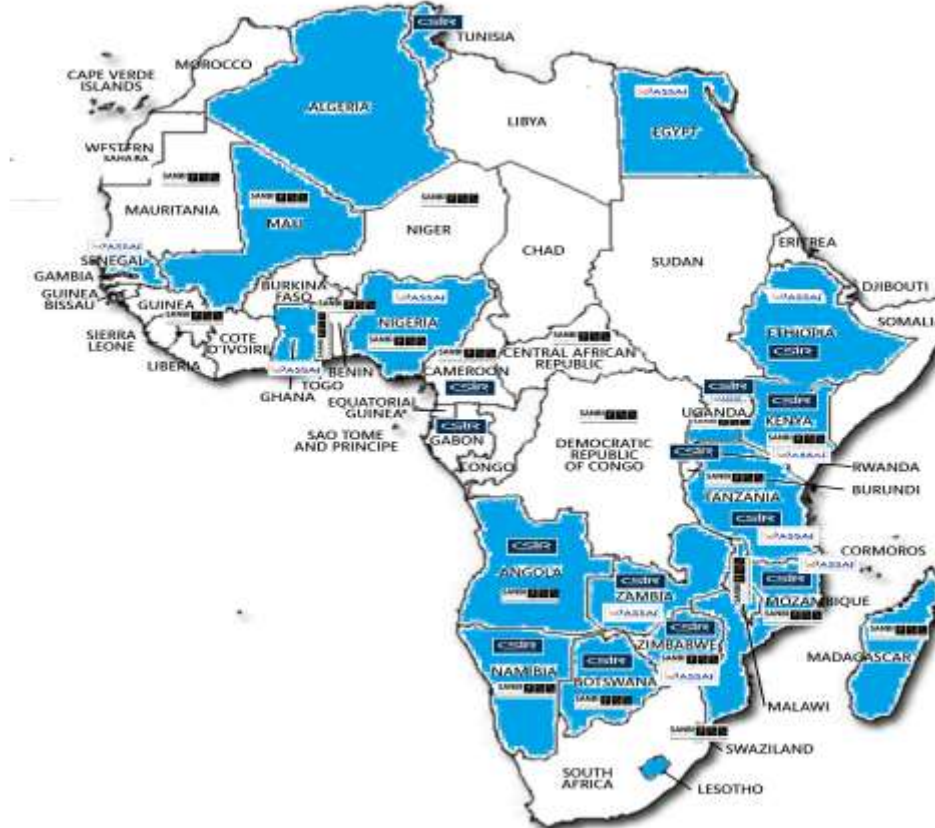


DSI AND ITS ENTITITES FOOTPRINT IN AFRICA



Keys:

- CSIR- 
- SANBI- 
- ASSAF- 
- NRF- 



science & innovation
 Department:
 Science and Innovation
 REPUBLIC OF SOUTH AFRICA



Regional STI Policy Frameworks



- **SADC RISDP 2003-2020 & 2020 - 2050**
 - Infrastructure in support of regional integration
- **SADC STI Strategy 2015 - 2020**
 - Attract public-private partnerships (PPP) investments in STI and R&D **Infrastructure**;
 - Promote **research, innovation and tech transfer**;
 - Develop and strengthen of regional **STI capacities**;
- **SADC Industrialisation Strategy and Roadmap 2015-2030**
 - Shifting from reliance on resources and low cost labour to increased investment and enhanced productivity of both labour and capital.
 - Competitiveness (at the firm/industry, country and regional levels) as an active process to move from comparative advantage to competitive advantage

(To increase manufactured exports to 50 by 2030 from less than 20%)



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



FOCUS ON VALUE CHAINS



- SADC Industrialisation Strategy, 3 Pillars
 - Agro-processing
 - Mineral Processing and beneficiation
 - Pharmaceuticals
- In all these, skills, **technology and innovation**, **entrepreneurship** training are key for the development of these value chains.
- Increase the capacity of SMEs to participate in industrialisation and regional value chains;
- Promote Public-private partnerships (PPPs) to participate in the region's industrialization agenda;



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



AU AGENDA 2063 ASPIRATIONS



- 1) A Prosperous Africa, based on Inclusive Growth and Sustainable Development
- 2) An Integrated Continent Politically united and based on the ideals of Pan Africanism and the vision of African Renaissance
- 3) An Africa of Good Governance, Democracy, Respect for Human Rights, Justice and the Rule of Law
- 4) A Peaceful and Secure Africa
- 5) Africa with a Strong Cultural Identity Common Heritage, Values and Ethics
- 6) An Africa Whose Development is people driven, relying on the potential offered by African People, especially its Women and Youth, and caring for Children
- 7) An Africa as A Strong, United, Resilient and Influential Global Player and Partner



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



Continental Policy – STISA 2024



1. Building Africa's technical competencies

- Achieve the necessary **critical mass** (through education and training)
- Increase STI research outputs at national and regional levels;
- Increased **human capital for STI**; and
- **Expansion of research intensive universities and other research centres.**

2. Infrastructure Development

- Increased **capacity for infrastructure design and development**;
- Increased national and regional labour and materials in all developmental **infrastructures.**



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA



3. Entrepreneurship Development

- Increased number of **value added products** and services;
- Effective **innovation and technology transfer** support programmes;
- Emergence and **commercialisation** of key leap-frog technologies.

4. Creating an enabling environment for STI Development

- Conducive Policy landscape (**Innovation, IP, Tech transfer, trade...**)



SA's Strategy for implementation of STISA for the period 2014-2017



Identified strategic thrusts for SA's implementation of STISA:

- Consolidation of current and new programmes and initiatives from the NSI in line with key STISA priorities and pillars,
- Alignment of STISA 2024 with the National Development Plan (HCD programmes),
- Building capacity within the African Union institutions through technical support and targeted secondments
- Continued support and involvement in defining the agenda of the NEPAD Flagship Programmes to ensure alignment with DST priorities
- Secondment of Senior Science and Technology representatives SADC and to the South African Embassy in Addis Ababa Union to pursue science diplomacy
- Capacity building initiatives and facilitate training opportunities for policy makers in Africa
- Leveraging international science, technology and innovation opportunities for Africa's STI development



science & innovation

Department:
Science and Innovation
REPUBLIC OF SOUTH AFRICA





THANK YOU