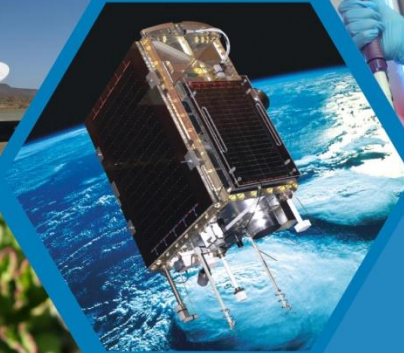


AFRICA BILATERAL COOPERATION: STATE OF PLAY



Prepared by: **ABC**

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science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



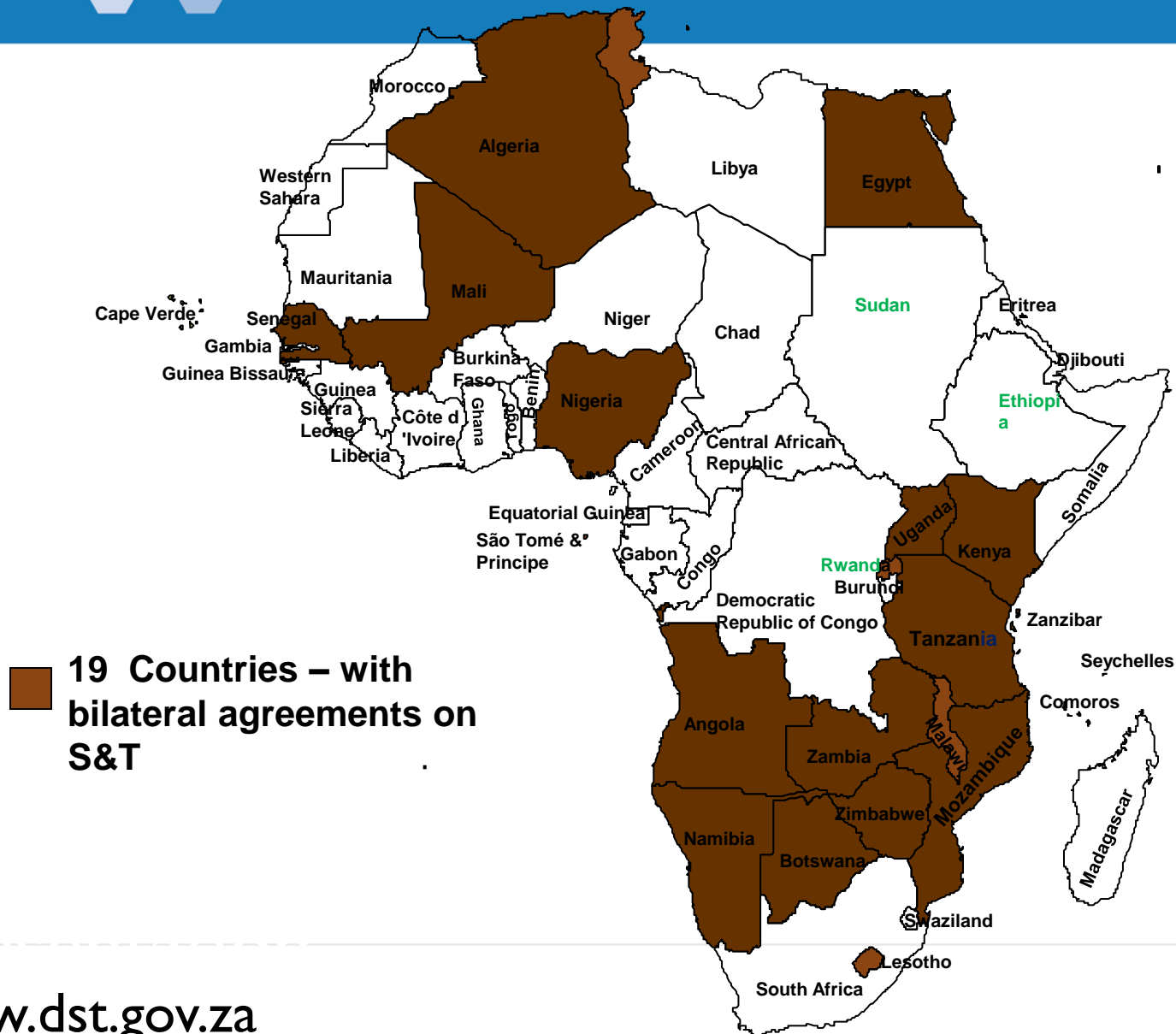
OBJECTIVES: ABC

- Champion bilateral relations with African countries within the DST
- Connecting South Africa's NSI-STI plans with those of African partners.

Objectives:

- Provide policy leadership and coordination on all Africa bilateral STI initiatives
- Consolidate, develop and implement relevant strategies on STI-NSI issues-specific with key stakeholders
- Manage (plan, organize, monitor, evaluate and review) all S&T Africa Bilateral Relation/Agreements

Our African Foot Print



DST/NRF/ASSA FOOT PRINT IN AFRICA

Country	DST Bilateral	NRF Bilateral	Assaf
Angola	Yes	Yes	No
Algeria	Yes	Yes	No
Botswana	Yes	No	No*
Lesotho	Yes	No	
Namibia	Yes	Yes	No
Malawi	Yes	No	No
Mozambique	Yes	Yes	Yes
Benin	No	No	Yes
Cameroon	No	No	Yes
Egypt	Yes	Yes	Yes
Ethiopia	Yes	No	Yes
Ghana	Yes	Yes	Yes
Kenya	Yes	Yes	Yes
Mali	Yes	No	No
Madagascar	No	No	Yes
Mauritius	Yes	No	Yes
Morocco	No	No	Yes
Rwanda	Yes	No	No
Nigeria	Yes	Yes	Yes
Senegal	Yes	Yes	Yes
North Sudan	Yes*		Yes
Tunisia	Yes	No	No
Tanzania	Yes	Yes	Yes
Uganda	Yes	Yes	Yes
Zambia	Yes	Yes	Yes
Zimbabwe	Yes	Yes	Yes



Areas of Focus/cooperation

- **Space Science + (SKA/AVN)**
- **Biosciences (Biotechnology, Bio Safety: food, agriculture, health technologies)**
- **IP (Nipmo) + IKS**
- **ICT (High Performance Computing)**
- **Climate Change (Global Change)**
 - **Environment , Water (resource management tech towards green economy)**
- **Energy (Renewable Energy)**
- **Nanotechnology**
- **Geosciences**

Cross-Cutting Issues

- Research and Innovation Management Capacity;
- Development of scientific infrastructure
- Science Technology and Innovation Policy Development;
- Public Understanding and Awareness of S&T and
- Human Resource Development.

Main Sectors

- Educations: HCD
- Health
- Agriculture:
- Manufacturing
- Energy
- Information Technology



Multilateral Cooperation

Engagement Strategy

- Africa is Dynamic Environment/Moving targets
 - How do we remain on top of our game; provide cutting edge policy advise, strategic relevance and fully exploit opportunities
- Need to start thinking about SA INC. Agenda
 - Bringing together all key stakeholders under one umbrella
- Pillars of proposed Africa Bilateral Strategy
 - Pro Development
 - Pro Competitive
 - Continental system of Innovation = Regional Economic Integration

Conceptual Framework: Pro Development Agenda

- Joint Community Capacity Building Programme/Pilot projects ?
 - Technical Assistance
 - Institutional building
 - Human Capital/Resource development
- Joint Research Collaboration
- Define Scope
- Need to Define WIFU!!!
- Need to engage Impact Driven Joint CCB

Pro Competitive

- Upscale Joint Research (inputs)
- Joint Product “Development” (applied research)
- Joint Technological Innovation/Invention
- See Collaboration through the:
 - Technology evolution lens
 - Market lens
 - Competitiveness lens
- Joint Technology readiness
- Regulatory Convergences: IPR + IKS
 - Commercialization and Market access
 - Intra Africa Technology Transfer



Way forward

- **Weakness:** overlaps, duplications, incoherence, different priorities/visions, processes etc
 1. Coordination is a priority
 2. From Quantity to Quality
 3. Joint Planning and Execution Framework
 4. Opportunity Management (Workshop)
 - Process to identify business and community development opportunities to be implemented to sustain or improve local economy in our collaboration
 5. Joint Implementing Committee (TOR)
 6. Joint Resource Pulling, Leveraging and Diversification