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STATUS REPORT ON THE AFRICAN BILATERAL RELATIONS

COUNTRY	STATUS OF RELATIONS	ISSUES TO BE FOLLOWED-UP	AREAS OF INTEREST
1. Ethiopia	<p>Meeting held with the Ambassador on 19 January 2004 to discuss possibility of exchanging technical visits between the two countries. The technical visit to Ethiopia by DST took place on 7-11 March 2004. Draft agreement forwarded to Ethiopia in September 2004 for comment. It has now been received through DFA (March 2005). DST is studying the draft.</p> <p>A joint bilateral commission will be held in South Africa in May 2005. More S&T representatives are expected during the visit to take advantage of the opportunity with a view to advance our cooperation and visit SA science institutions.</p>	<p>Ethiopians were invited to South Africa on an exploratory visit. The proposed period was 17-20 August or 30 August to 03 September 2004, no response received despite numerous follow-ups. Their confirmation is still awaited.</p> <p>Ethiopian senior official delegation is expected to visit South Africa in May 2005. Science and Technology delegates are expected to form part of the entourage. The opportunity will be used to advance our bilateral engagement.</p>	<ul style="list-style-type: none">• ICT• Non-destructive facility (linkage with NECSA or CSIR)• Innovation hub• Knowledge sharing and research• Irrigation equipment testing• Water harvesting technologies• Climate monitoring (Risk management)• Capacity building• Animal Health research• Biotechnology• Transfer of technology to produce leather product• Exchange knowledge on Geological mapping standards• Intellectual property rights on indigenous plants• Nutrition research• Agricultural research
2. Kenya	<p>Agreement signed in Kenya in August 2004. POC is being finalised.</p>	<ul style="list-style-type: none">• Implementation of agreed areas of cooperation.• Inauguration of a Joint Committee• Development and signing of the POC.• Deputy Minister attended Africa	<ul style="list-style-type: none">• Square Kilometer Array (SKA)• Technology for competitiveness• Nuclear energy• Satellite technology• Human Health research- HIV/AIDS, cancer research

	<p>A Kenyan delegation visited South Africa February 2005. They visited SA science institutions. On the last day of the visit a workshop was held where areas of cooperation were identified. The areas of cooperation will be consolidated in a POC.</p>	<p>Genome Initiative during March 2005. He delivered a presentation on investing in science and technology.</p>	<ul style="list-style-type: none"> • Agricultural research –vet, biotechnology, domestic animal and wildlife animal health. • Social science • Governance and institution Building • Technology for Development – IKS, Technology incubators, Technology transfer programmes, ICT • Multilateral cooperation • Building technologies • Laser technology • SA-Kenya Roundtable S&T partnerships in Infrastructure – Building &Construction, Transport,Energy, Water &Sanitation, ICT.
3. Namibia	<p>Signing took place in Namibia on 08 March 2005. Minister Mangena led the DST delegation.</p>	<ul style="list-style-type: none"> • Mr Manzini attended the HESS inaugural meeting in Namibia on 28 September 2004. • POC on Science and Technology will be developed during the signing visit. 	<ul style="list-style-type: none"> • Minerals research • Mining technology • Geological mapping techniques • Laser technology • Metrology • SKA • Biotechnology • Capacity Building in ICT • Geological survey of the Kalahari basin, use of mineral resources. • HESS and SKA collaboration
4. Sudan	<p>The Draft Agreement is in the final stages of being concluded. The Sudanese technical delegation visited South Africa on 3-5 December 2003. The Draft Agreement will be signed when SA visit Sudan. Proposed period for the visit was in August 2004. However, due</p>	<ul style="list-style-type: none"> • Observe political developments in that region and seek advise from DFA. 	<ul style="list-style-type: none"> • Agricultural research • Animal research • Biotechnology • Industrial research • Information technology

	<p>to the political developments in Sudan DFA suggested that the process be delayed till the situation gets certain.</p> <p>DST has been asked to assist the Sudanese People's Liberation Movement/Army in Leadership and Capacity Building (29 March to 8 April 2005). Sudanese Officials will be placed in various departments for practical training.</p>		<ul style="list-style-type: none"> • Engineering and mining • Leather technology and products • Small and medium enterprises
5. Mozambique	<p>No Agreement exist</p> <p>On the invitation of the Minister Venaco Massingue- Minister Mangena visited Mozambique on 24-26 April. DST senior officials accompanied him.</p> <p>A MoU was also signed</p> <ul style="list-style-type: none"> • Three delegates from Mozambique visited SA on 18-22 July 2005. • Institutions visited: CSIR, NLC, NACI, DST, NRF, TSHWANE VARSITY, WITS, ARC 	<ul style="list-style-type: none"> • Technical visit is planned for later this year. • Proposed visit by technical delegation 18-22 July 2005 • The signing process scheduled for the end of 2005 • Draft agreement sent to DFA 	<p>SKA</p> <p>S&T popularization</p> <p>National record of animals</p> <p>Exchange of students</p> <p>Low cost housing</p> <p>biotechnology</p>
6. Algeria	<p>S&T Agreement signed in 1998 and POC signed in 2003. MOU signed between Atomic Energy Commission (COMENA), Algeria and DST for cooperation in research and development in the field of nuclear sciences, techniques and applications for peaceful purposes in October 2003.</p> <p>December 2003, delegation from iThemba Labs visited Algeria.</p>	<ul style="list-style-type: none"> • Meeting of Senior Officials took place on 13-17 September 2004. • BNC took place on 5-6 October 2004 in Pretoria. • 22-23 Feb 2005, DST led a delegation to Algiers as a direct follow up of the decision taken in the last BNC 2004. The meeting was for the Joint Committees on 	<ul style="list-style-type: none"> • Neutron Sciences and Nuclear Reactor • Research, Development and Production of Radio-isotope • Particle accelerator and utilization • Research Nuclear reactors: Exploitation and Utilisation • Satellite Technology

	<p>NECSA and iThemba Labs successfully hosted a workshop in June 2004 in SA. Collaborative projects were considered during the visit at iThemba, NECSA and Schonland Center.</p> <p>3RD BNC meeting took place during September 2004. Parties agreed on advancing progress on Laser and Space Technologies. Meeting of the Joint Technical Committees took place in February in Algiers.</p> <p>South Africa/Algeria National Meeting was held in Stellebosch, 22 September 2005. Attended by South African project managers</p> <p>DST officials hosting Algerian delegation, 7-9 November 2005.</p> <p>BNC in Algiers 13-18 November 2005 was held. DST officials attended it.</p>	<p>Science and technology from both countries.</p> <ul style="list-style-type: none"> • Meeting of the Joint Committee for Science and Technology will take place in September 2005 in, South Africa 2005. • Minister Horoubia of Algeria invited Minister Mangena to visit Algeria in 12 April 2005. <p>A Senior Officials BNC meeting was held 14-22 November 2005 in Algiers. DST officials actively participated in the meeting</p>	<ul style="list-style-type: none"> • Laser Technology • Biotechnology • Information Technology • Agricultural research • Desertification and water management • Poverty alleviation • Micro-satellites • Mineral beneficiation • Scientific Cooperation between Universities and research Institutes
7. Tunisia	<p>Signing of Agreement on February 1999, was conducted by DFA, no involvement by DST. No interaction/ follow up to the agreement until 2004.</p> <p>Meeting held with the Ambassador on 9 January 2004 to discuss possibility of exchanging technical visits between SA and Tunisia science and technology officials and experts and to further develop relations in science and technology. The proposed date for the technical visit to Tunisia was 21-27 March 2004 but the trip didn't materialized. On 28 June to 01 July 2004, the visit eventually took place.</p>	<ul style="list-style-type: none"> • Follow up with Tunisian authorities failed to confirm the visit to SA from 23-27 August 2004. Dates for a return visit is awaited. Our Embassy in Tunis is making follow up. • A new date has been suggested for May 2005. Tunisian response is awaited. • Mr Mosibudi Mangena invited his counterpart Mr Sadok Korbi to visit South Africa. The visit was cancelled by Tunisia. A new date for 2006 still under negotiation. 	<ul style="list-style-type: none"> • Agricultural research • Biotechnology • Renewable energy • Laser technology • Nuclear technology • S&T policy • Intellectual Property

	Tunisian authorities were expected to visit to South Africa on 23-27 August 2004. Tunisia is yet to suggest new dates for a visit to South Africa.		
8. Morocco	Agreement signed on May 1998 and was signed by DFA. No involvement by DST. A note verbale was received from Morocco authorities on 22 March 2001 to propose amendments to the agreement. DST responded and forwarded amended version of the agreement. Amended text was sent to Moroccan desk at DFA for transmission on 27 March 2003. No follow on the agreement until 2004. Meeting held with the Ambassador on 14 January 2004, to discuss possibility of exchanging technical visits between the two countries and to further develop relations in science and technology. The proposed date of the technical visit to Morocco was 21-27 March 2004, but the trip didn't materialize. The new date for the visit was planned for 27-30 September 2004, however, due to political developments between the two countries the visit was postponed.	<ul style="list-style-type: none"> Interaction will be resumed at a later stage with guidance from our Foreign Affairs Department. 	<p>DST'S INTEREST</p> <ul style="list-style-type: none"> Nuclear technology Biotechnology Laser technology Information and communication technology, geosciences and Minerals research
9. Nigeria	S&T Agreement signed by Deputy President, Mr J Zuma on 14 March 2001, no involvement by DST. Common areas of interest and cooperation on S&T were identified. Both sides had to secure funding for the projects. SA secured the funding. Follow up on the BNC decisions of 2004 were not successful to our best efforts to get the Nigerian side to cooperate. Request to meet with the Nigerian Ambassador were also not successful. Meeting was suggested in June 2004. No response from the Embassy was received	<ul style="list-style-type: none"> Relations were resuscitated during the BNC that took on 6-10 September 2004 in Durban. Parties agreed that the Technical Teams of both countries meet in Nigeria, to advance to the work of the cooperation. Nigeria has been requested to invite South African technical team to visit Nigeria. Nigerian response is awaited Invitation has been received. 	<ul style="list-style-type: none"> Biotechnology projects Materials science projects Satellite technology projects Environmental science Specific projects designed for mutual assistance in appropriate policy development, S&T capacity building.

	<p>despite their telephonic confirmation of receipt of our request.</p> <p>During the 6th BNC meeting in September 2004, held in Durban, Parties agreed to advance relations on the following areas</p> <ul style="list-style-type: none"> • Space technology, biotechnology, • ICT, • Laser technology, • Materials sciences with emphasis on nanotechnology, • Information exchange on resource endowments <p>Meeting of the Joint Committee on Science and Technology to be held in Nigeria, in February 2004.</p>	<p>Nigeria is expected to confirm dates and venue of the meeting.</p> <ul style="list-style-type: none"> • Meeting of the Joint Committee is scheduled for 5-8 April 2005 in Nigeria. 	
10. Egypt	<p>S&T Agreement signed by DFA on August 1997, no involvement by DST.</p> <p>05 July 2005, Officials of the African Unit met with the Ambassador of Egypt. The meeting discussed immediate steps to be taken towards the resuscitation of the cooperation agreement on science and technology and the restoration of programme of cooperation. Ambassador indicated support for the science and technology cooperation.</p> <p>A proposed date for the visit was 13-15 September 2004.</p> <p>Egypt postponed the visit to a later unspecified date.</p> <p>A Senior Officials JBC meeting was held on 22-23 November 2005</p>	<ul style="list-style-type: none"> • Follow up to resuscitate the agreement. • Egypt has been requested through diplomatic channels to confirm dates for a meeting with SA technical team. Egypt response is still awaited. • A meeting with Mr Akawish of the embassy of Egypt was held on 08 March 2005 with a view to encourage Egypt to suggest new dates for the meeting of the Joint Committee. Egypt response is awaited. • A JBC took place in November 2005. DST officials formed part of the meeting 	<ul style="list-style-type: none"> • Biotechnology in food production, agriculture and health • Development of new materials and manufacturing • Information technology and systems and information society • Sustainable management of environmental issues of natural resources: energy, water, coastal resources, etc through environment-friendly technologies.

11. Angola	<p>Draft S&T Agreement exists. Meeting with Mr Nanizeyi Kindudi Andre from Angola on 25 March 2004 to discuss the draft agreement.</p> <p>DFA is establishing the status of the draft agreement with the Angolans.</p> <p>In November 2004, Mr Manzini, Mr Naidoo and Minister Mangena met with the Minister of Angola in Pretoria. Angolan Minister promised to action the bilateral relation.</p> <p>Draft S&T agreement received in December 2004. DST is studying the agreement.</p> <p>Deputy Minister S&T, Mr Hanekom visited Angola, 4-7 October 2005. Letter of intent was signed by Deputy Ministers of both countries Angolan officials submitted a draft agreement with comments.</p>	<ul style="list-style-type: none"> • Agreement is being translated by DAC translation services. DST will make comments. <p>A draft bilateral Agreement is being prepared for DoJ and DFA. Angolans interested in bilateral agreement signing.</p> <p>Deputy Minister invited his counterpart to come to South Africa. Officials to facilitate the visit. Follow up the proposed visit for 24-26 April 2006</p>	No projects identified yet
12. Lesotho	<p>Interdepartmental meeting took place on 5 May 2004. It was agreed during that meeting that a Workshop be held in Lesotho on 18 August 2004 to identify areas of cooperation/projects that could be implemented in the short term.</p> <p>The workshop was held in Maseru on 02-03 September 2004. The following areas were discussed to take forward the cooperation: transfer of knowledge and know-how on the development of -</p> <ul style="list-style-type: none"> • Technology Business Incubation of the Small Scale and Medium Enterprises 	<ul style="list-style-type: none"> • Agreement signed on 06 June 2005 • Lesotho has presented DST with final reports on agreed projects. • Liaising with Ms M. Williams with regard to projects already in place • CSIR and DST officials met Ms Williams to discuss progress between South Africa and Lesotho, 30 September 2005 in Senegal. • Ms Williams to link CSIR experts with contact points in Lesotho after 	<ul style="list-style-type: none"> • Replication of Bethel Model (A multi-disciplinary center focused on technology applications coupled with skill development to the youth in a rural setting). The replication will be done through integration of those appropriate technologies to the existing technical and vocational training centers. • Technology Business Incubation of the Small Scale and Medium Enterprises (SMME's) • Development of a National

	<ul style="list-style-type: none"> • Development of a National Science Center for promotion of Public Understanding of Science, Engineering and Technology. • Indigenous Knowledge Systems and good practices in advocacy to promote our indigenous technological capability. <p>An action Plan was agreed upon as follows: An Action plan</p> <table border="1"> <thead> <tr> <th>ACTION</th> <th>RESPONSIBLE</th> <th>TIME FRAME</th> </tr> </thead> <tbody> <tr> <td>Conceptualization of ideas put forward in the workshop and produce a concept paper</td> <td>LESOTHO</td> <td>30 September 2004</td> </tr> <tr> <td>Comments and inputs on the concept paper</td> <td>SOUTH AFRICA</td> <td>15 October 2004</td> </tr> <tr> <td>Joint Meeting of the Technical Committees to finalize the project proposal</td> <td>LESOTHO / SOUTH AFRICA</td> <td>WEEK OF 22 October 2004 (took place on 19 November 2004)</td> </tr> <tr> <td>Submission of the project proposal to the economic clusters of both countries</td> <td>LESOTHO / SOUTH AFRICA</td> <td>WEEK OF THE 28 October 2004 (December 2004)</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Workshop to finalise projects took place in September and November in Lesotho and South Africa respectively. • Signing of the S&T agreement signed on 06 June 2005. • Lesotho invited to participate in SA's 	ACTION	RESPONSIBLE	TIME FRAME	Conceptualization of ideas put forward in the workshop and produce a concept paper	LESOTHO	30 September 2004	Comments and inputs on the concept paper	SOUTH AFRICA	15 October 2004	Joint Meeting of the Technical Committees to finalize the project proposal	LESOTHO / SOUTH AFRICA	WEEK OF 22 October 2004 (took place on 19 November 2004)	Submission of the project proposal to the economic clusters of both countries	LESOTHO / SOUTH AFRICA	WEEK OF THE 28 October 2004 (December 2004)	<p>16 October 2005</p>	<p>Science Center for promotion of Public Understanding of Science, Engineering and Technology (PUSET).</p> <ul style="list-style-type: none"> • Biotechnology for health and food security. • Indigenous Knowledge Systems and good practices in advocacy to promote indigenous technological capability • SKA • Tissue culture to improve potato seed and other local crops
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	<p>National Science Olympiad as well as to the Expo for Young Scientists. They've agreed to participate in both projects – SA will provide some support for a team of top learners to come to Pretoria (on both projects). Invitation was made by the South African Agency for Science and Technology Advancement (SAASTA)</p>		
13. Botswana	<p>Initiated interaction with the Botswana Authorities on 06 August 2004 during Botswana/SA JPCC held in Pretoria.</p> <p>Draft agreement for comment was handed to the Botswana Deputy Permanent Secretary and also R&D Strategy document. Botswana requested an electronic version of the agreement in September 2004 and was presented as requested. Botswana officials and technical experts visited SA science system from 24-28 January 2005. Final Botswana comments on the science and technology agreement are awaited. It is envisaged that the signing will take place before June 2005 in Botswana.</p> <p>The actual signing took place during the technical visit to Botswana, 8-12 August 2005 on 09 August 2005.</p> <p>The Minister of Science and Technology of South Africa, Mosibudi Mangena and the Minister of Communications Science and Technology Pelonomi Venson of Botswana</p>	<ul style="list-style-type: none"> • Follow up on the comments by to be made by Botswana Authorities. 	<ul style="list-style-type: none"> • SKA • Molecular biology • Accreditation of laboratories • Assisted reproduction –(farm animals) • Refining analytical systems - • Drought resistant crops (production) • Mechanization on small scale • Development of indigenous crops • Satellite imagery (fire control and other applications) • GMOs – collaborate on research and capacity building and broader issues for consumers) • Transition to business orientation • Technological Transfer • Strategies- drought mitigation • Strategies- rehabilitation degraded lands • Efficient irrigation • Water recycling • Food safety in rural areas

	<p>signed a bilateral agreement on science and technology collaboration.</p> <p>The technical delegation witnessed the signing ceremony</p>		<ul style="list-style-type: none"> • Agro processing • Indigenous knowledge systems • Management of trans boundary diseases • Information exchange –soils, climate and conservation agriculture. • International Conventions (develop mutual position of interest on bilateral relations)
14. Zambia	<p>Draft S&T agreement received from Zambia. DST made amendments and forwarded it to DFA for onward transmission to Zambia. DST received a draft agreement on science and technology in march 2005 through DFA. DST will comment on the agreement and forward the agreement to Zambia for further comments</p>	<p>DST is waiting for the return a draft for final consideration.</p> <p>Science week invitation for 7-11 November 2005 cancelled by Dr Lewanika</p> <p>A draft bilateral agreement was discussed during a senior officials meeting (DFA lead), October 2005. Zambians will forward comments to DST at a later stage.</p>	No projects identified yet
15. Libya	No draft S&T Agreement.		No projects identified yet
16. DRC	No draft S&T Agreement.		No projects identified yet
17. Senegal	<p>No draft S&T Agreement.</p> <p>Senegalese Authorities have been invited to visit South Africa.</p> <p>No response was received.</p> <p>In March 2005. Prof Pap Diop undertook to forward S&T agreement to DST in due course. He further indicated that he would suggest dates for the visit by Senegalese technical team.</p> <p>On 14 March 2005, Minister Mangena met with the Ambassador of Senegal discussing strengthening of S&T bilateral relation</p> <p>Ambassador of Senegal informed the Minister</p>	<ul style="list-style-type: none"> • Follow up on the invitation. • Prepare to send a technical delegation at the end of September this year. • A trilateral cooperation on Laser technology is under discussion between South Africa, Senegal and France. • Senegalese technical delegation expected towards the middle of May 2006 	Laser technology

	<p>about intention of hosting Senegal week in SA around Sept/Oct 2005. Minister welcomed the suggestion and emphasized a need to speed up the development of formal relations between the two countries.</p> <p>A bilateral agreement on science and technology was signed by Minister Mosibudi Mangena and his counterpart, Prof Gassama, 30 September 2005 DST officials visited biotechnology centre at the university of Dakar.</p>		
18. Ivory Coast	<p>No Agreement. Ivorian delegation requested to visit SA on a preliminary visit from 25th -31st August 2004. Visit was cancelled on the request of the Ivorian side.</p>		No projects identified yet
19. Mali	<p>A meeting with the Ambassador of Mali took place on 14 May 2004. Draft agreement is with the Mali side for final consideration. DFA and Justice Legal Advisors have already commented on the draft.</p> <p>A technical visit to MALI took place on 22-26 November 2004.</p> <p>In February 2005, DST delegation visited MALI. The focus of the visit was centered on the following;</p> <ul style="list-style-type: none"> • Finalization of the Science and Technology agreement • Proposed a return visit by Malian scientist to South Africa 	<ul style="list-style-type: none"> • A presentation by Dr Thebe Medupe and the team took place on the 06 August 2004. • Follow up on digitized manuscripts. • Finalise the agreement. • Meeting between DAC and DST officials • Digitized manuscripts received on 11 October 2005. 	<ul style="list-style-type: none"> • Project of interest is scientific exploration into the secrets of the Archives of Timbuktu. • Capacity building initiatives could include <p>Researcher exchange programmes aimed at staff capacity building Student training, including sandwich programmes (joint supervision short student visits as part of post-graduate studies).</p> <ul style="list-style-type: none"> • Specific areas of research interest include <p>Research in traditional medicine and IKS</p>

	<ul style="list-style-type: none"> • Prioritization of digitized manuscripts. • Access to digitized manuscripts • Workshop with academics at the University <p>Timbuktu project proposal submitted to DST for funding.</p>		<p>Plant biotechnology, Biosciences, biology and health related issues (malaria, HIV/AIDS vaccine research). Agricultural research Strengthening of relations between Central Veterinary Laboratory and Onderstepoort Veterinary Institute (OVI) and the Onderstepoort Biological Products (OBP) Veterinary research Soil science and soil erosion Land use management</p> <p>Research and technology management issues could include</p> <p>Technology transfer including research and development of low cost equipment Management of the S&T system S&T policy formulation Nepad Innovation Fund including IPR management Nepad Venture Capital Fund</p>
20. Uganda	<p>No technical agreement. CSIR has indicated that Ugandans are interested in collaborating with them on manufacturing. A visit to Port Elizabeth is planned by CSIR and will take along the High Commissioner. The High Commissioner submitted a banana project proposal to the DST for funding. Uganda would like DST to fund CSIR in order to manufacture and transport a machine for paper making using banana leaves.</p>	<p>Follow up the draft bilateral agreement sent to Prof Nyirra.</p>	

(Last Updated in 04 March 2006 by FUNDA MPANZA)