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**INTERNATIONAL AGREEMENTS SIGNED BY THE DEPARTMENT OF SCIENCE AND TECHNOLOGY
OVER THE PAST 10 YEARS**

Agreements within the past 10 financial years with AID agencies

Agreement with	Country	Financial year	Outcomes	Period of agreement
AUSAID	Australia	2008/2009	Support for the South African National Energy Research Institute (SANERI) and the University of Pretoria for technical and academic exchange activities.	2008
AUSAID	Australia	2011/2012	Regional support for S&T Policy Training and the Development of a S&T Climate Change Framework	2011-2013
AUSAID	Australia	2008/2009	South African Science Centre Managers Training; 25 science centre managers were trained on the basic programme of which 13 was invited to Australia for an advance programme.	2008-2009
EUREKA Initiative	European Union majority and other International countries	2014/2015	To establish the participation of South Africa to the EUREKA Programme as an associated partner country. Currently one project has been supported under the EUREKA initiative involving Finland, Sweden and South Africa. South Africa is currently finalising the review for its re-association in EUREKA.	2014-2017
Government of Finland	Finland	2008/2009	The initiative focuses on five linked components namely: <ul style="list-style-type: none"> • Institutional Strengthening of the Southern Africa Biosciences Network (SANBio) Secretariat • Development of the operating environment • Capacity development • Network creation and dissemination • Identification, development & implementation of projects by the network. During the first phase 8 regional projects were supported and the second phase already has 10 projects on board.	2009-2012 Second Phase started in 2015 to 2019.

Government of Finland	Finland	2007/2008	Cooperation framework on Innovation Systems (COFISA). The COFISA programme supported the development of provincial and local systems of innovation, especially in the Eastern Cape, Gauteng and the Western Cape provinces.	2007-2010
Government of Finland	Finland	2008/2009	The SA-Finland knowledge partnerships on Information and Communications Technology (SAFIPA), focused on narrowing the digital divide through projects help South Africa become an inclusive knowledge society with a strong ICT brand reflecting research excellence and demonstrating improvements in quality of life and economic competitiveness.	2009-2013
JICA	Japan	2010/2011	SATREPS: Prediction of climate variations and its application in the Southern African Region	2010-2013
JICA	Japan	2010/2011	SATREPS: Observational studies in South African mines to mitigate seismic risks	2010-2015
JICA	Japan	2014/2015	SATREPS: The establishment of an infectious diseases early warning system for Southern Africa incorporating climate predictions (research collaboration, project ongoing)	2014-2019
JICA	Japan	2014/2015	SANSA Earth observation technical assistance and capacity building programme	2014-2017

Agreements signed since 1 April 2016 with AID agencies

Agreement with	Country	Financial year	Outcomes	Period of agreement
Global Innovation Fund	UK, US, Australia and the Omidyar Network	2016/2017	Memorandum of Understanding to support and scale social innovations	2016-2019
EUREKA Secretariat (ESE)	European Union	2016/2017	To establish the participation of South Africa to the Eurostars-2 Programme as a partner country	2016-2020
French government	France	2016/2017	The French South African capacity development initiative in agriculture (FSAGRI). To foster cooperation between the higher education and research institutions in the field of	2016- 2019

			agriculture and veterinary sciences, and to develop the exploitation of knowledge into new agribusinesses for innovation outcomes. Currently the project has started at University of Fort Hare with two experts from France working in the area of meat science.	
JICA	Japan	2016/2017	SATREPS: The production of biofuels using algal biomass (research collaboration, project ongoing)	2016-2021

Agreements within the past 10 financial years with bilateral partner countries and entities

Agreement with	Country	Financial year	Outcomes	Period of agreement
Government of Angola	Angola	2008/2009	Posted 2 bilateral joint research calls resulting in 13 joint projects in fundamental and applied research being jointly supported. 8 students trained/skilled Mobility and expert exchange per project Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.	2008 – 2013 automatically renewed unless terminated
Government of the Argentine Republic	Argentina	2006/2007	Scientific and technological cooperation and joint identification of scientific and technological projects. 15 projects supported in 2016/17.	2006-2011 automatically renewed unless terminated.
Government of Australia	Australia	2006/2007	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects currently being funded.	Open ended

Government of Austria	Austria	2015/2016	Scientific and technological cooperation formulation and implementation of joint research programmes. 17 research projects are currently funded.	2015-2020 automatically renewed unless terminated.
Government of Brazil	Brazil	2008/2009	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects are currently funded.	2008-2013 automatically renewed unless terminated.
Government of Ethiopia	Ethiopia	2014/2015	Implementation plans are being finalised.	2014 – 2019 automatically renewed unless terminated
Government of France	France	2008/2009	Scientific and technological cooperation formulation and implementation of joint research programmes. Currently 14 joint research projects funded.	2008-2013 automatically renewed unless terminated
European Synchrotron Radiation Facility	France	2012/2013	To build capacity locally by providing researchers with the opportunity to access beam time at the international synchrotron facilities; provide researchers with the opportunity to interact with the international synchrotron community.	Since 2012 automatically renewed unless terminated.
Government of Ghana	Ghana	2012/2013	Jointly funded the 2014 TV white space spectrum pilot project, meant to pilot broadband connectivity using TV white space spectrum as a value addition to ICT for education project in Ghana Implementing the Square Kilometre Array/African Very long base line Interferometer (SKA/AVN) project where both countries are in advanced stages of the AVN project in terms of dish conversion in Kuntuse, Accra; as part of ensuring	2012– 2017 automatically renewed unless terminated

			<p>Ghana's readiness to host and participate in the SKA project: The Real Time Fire Information for West Africa pilot project has resulted in the successful installation of a direct broadcast reception station which is now processing data to produce real-time fire detection products for the West African Region.</p> <p>Several Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.in mutually beneficial thematic areas</p>	
Government of the Hellenic Republic	Greece	2006/2007	Joint Research, development and demonstration projects. No projects currently funded.	2006-2011
International Centre for Theoretical Physics	Italy	2015/2016	The objective of signing this MoU was to allow South African (SA) postgraduate students to access research infrastructure, programmes and short and advanced courses on an annual basis at ICTP. It also makes provision for SA-based researchers (emerging and established) to request funding from the NRF to host ICTP experts/researchers in SA.	2015-2018
Government of Madagascar	Madagascar	2014/2015	<p>Technical and capacity building exchanges/benchmarking to strengthen and harmonise Science, Technology and Innovation policies and intuitions</p> <p>Implementing the Square Kilometre Array/African Very long base line Interferometer (SKA/AVN) project</p>	2015– 2020 automatically renewed unless terminated

Government of Malawi	Malawi	2007/2008	Facilitated and funded a trilateral research project with USAID funding at Bunda College of Agriculture in Malawi: to contribute to food security and poverty reduction among small holder farmers in Malawi through increased production and marketing of good quality potato.	2007– 2012 automatically renewed unless terminated
Government of Malaysia	Malaysia	2014/2015	Scientific and technological cooperation formulation and implementation of joint research programmes. There are currently no funded projects with Malaysia 2016/17 FY.	2014/2019. thereafter it shall be automatically be renewed for further periods.
Government of Mali	Mali	2006/2007	Jointly implemented phase one of the project on the scientific contents of the Timbuktu manuscripts” as part of the RSA – Mali government to government cooperation on Timbuktu heritage.	2006 – 2011 automatically renewed unless terminated.
Government of Mexico	Mexico	2010/2011	Scientific and technological cooperation formulation and implementation of joint research programmes. Three joint workshops have been held with Mexico in Oceanography, Advanced Manufacturing and Astronomy.	2010-2015 automatically renewed unless terminated.
Government of Mozambique	Mozambique	2006/2007	Posted 3 bilateral joint research calls resulting in 20 joint projects in fundamental and applied research being jointly selected for funding as part of co- generation of knowledge and joint publication: 10 students trained/skilled through projects Mobility and expert exchange per project Several technical and Capacity building exchanges/benchmarking to strengthen and	2006– 2011 automatically renewed unless terminated

			harmonise science, technology and innovation policies and intuitions: Implementing the Square Kilometre Array/African Very long base line Interferometer (SKA/AVN) project where 1 PhD Students graduated	
Government of the Kingdom of the Netherlands	Netherlands	2015/2016	Scientific and Technological Cooperation Formulation and implementation of joint research programmes. Implementation plans are being negotiated.	2015-2020 automatically renewed unless terminated.
Government of North Sudan(Khartoum)	North Sudan	2014/2015	Currently implementing two Biotechnology related outcome based applied research in health and in agriculture through joint funding. Continuous technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.	2014 – 2019 automatically renewed unless terminated
Government of the Sultanate of Oman	Oman	2007/2008	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects currently funded.	2007-2017 automatically renewed unless terminated
Government of Portugal	Portugal	2015/2016	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects has been funded.	2015 – 2020 automatically renewed unless terminated
Government of Romania	Romania	2007/2008	Scientific and technological cooperation formulation and implementation of joint research programmes. 10 research projects funded.	2007-2012 automatically renewed unless terminated.
Government of the Russian Federation	Russia	2006/2007	Cooperation in the field of the exploration and use of outer space for peaceful purposes. Joint activities relating to the exploration and use of outer space and the application of space	2006-2016 automatically renewed unless terminated

			equipment and technologies. No projects has been funded.	
Government of Rwanda	Rwanda	2009/2010	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects currently funded.	2009 – 2014 automatically renewed unless terminated
Government of Saudi Arabia	Saudi Arabia	2009/2010	Scientific and technological cooperation formulation and implementation of joint research programmes. No research project has been funded.	2009-2014 automatically renewed unless terminated
Government of Senegal	Senegal	2009/2010	Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.	2009 – 2014 automatically renewed unless terminated
Government of Slovak Republic	Slovakia	2006/2007	Scientific and technological cooperation joint identification of scientific and technological projects No projects has been funded.	2006-2011 automatically renewed unless terminated
Government of Spain	Spain	2008/2009	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects has been funded.	2008-2013 automatically renewed unless terminated
Government of Sweden	Sweden	2013/2014	Scientific and technological cooperation formulation and implementation of joint research programmes. No projects has been funded.	2013-2018 automatically renewed unless terminated
Swiss Confederation	Switzerland	2007/2008	Scientific and technological cooperation formulation and implementation of joint research programmes. 12 joint research projects have been funded	2007-2012 automatically renewed unless terminated
European Organisation for	Switzerland	2010/2011	The main purpose of entering into this partnership was to strengthen the collaboration partnerships	Since 2010, automatically

Nuclear Research			between South African research institutions and CERN and provide an opportunity for researchers to access infrastructure needed for high-energy physics research. To allow SA researchers to participate in the Large Hadron Collider (LHC) experiments based at CERN to extends beyond utilisation of the infrastructure; but also to actively involved in technology development which could translate into technology transfer and innovation, products and processes as a result of this collaboration.	renewed unless terminated.
The Taipei Liaison Office in the Republic of South Africa	Taiwan	2009/2010	Scientific and technological cooperation formulation and implementation of joint research programmes. 6 joint calls were funded 2016/17.	2009-2014 automatically renewed unless terminated.
Government of Tanzania	Tanzania	2011/2012	Posted 1 bilateral joint research calls resulting in 15 joint projects in fundamental and applied research being jointly selected for funding as part of co- generation of knowledge and joint publication: 10 students trained/skilled Deepening of research network through mobility and expert exchange per project Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.	2011 – 2016 automatically renewed unless terminated
Government of Tunisia	Tunisia	2010/2011	Posted 1 bilateral joint research calls resulting in 10 joint projects in fundamental and applied research being jointly selected for funding as part of co- generation of knowledge and joint publication:	2010 – 2015 automatically renewed unless terminated

			<p>10 students trained/skilled</p> <p>Deepening of research network through mobility and expert exchange per project</p> <p>Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.</p>	
Government of Uganda	Uganda	2009/2010	<p>Currently implementing 1 bilateral joint research calls in 5 joint projects in fundamental and applied research being funded as part of co- generation of knowledge and joint publication.</p> <p>Jointly funding the Essential Oils Pilot project between CSIR and the Ugandan Industrial Research Institute to establish national biodiversity research platform in Uganda will support the development of a robust essential oils sector and enterprise development in Uganda</p> <p>Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.</p>	2009 – 2014 automatically renewed unless terminated
Government of United Kingdom	United Kingdom	2007/2008	<p>Scientific and technological cooperation formulation and implementation of joint research programmes. 13 Newton Fund projects supported.</p>	2007-2012 automatically renewed unless terminated
Government of Zambia	Zambia	2007/2008	<p>Posted 2 bilateral joint research calls resulting in 19 joint projects in fundamental and applied research being jointly selected and funded as part of co- generation of knowledge and joint publication:</p> <p>10 students trained/skilled</p>	2007 – 2012 automatically renewed unless terminated

			Deepening of research network through mobility and expert exchange per project Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.	
Government of Zimbabwe	Zimbabwe	2007/2008	Technical and capacity building exchanges/benchmarking to strengthen and harmonise science, technology and innovation policies in mutually beneficial thematic areas.	2007 – 2012 automatically renewed unless terminated

Agreements signed since 1 April 2016 with bilateral partner countries and entities

Agreement with	Country	Financial year	Outcomes	Period of agreement
European Commission	European Union	2016/2017	Declaration of intent to cooperate on marine science technology and innovation in order to further develop a common understanding and deepen scientific knowledge of marine ecosystems.	2016-2020

Agreements within the past 10 financial years with multilateral entities

Agreement with	Country	Financial year	Outcomes	Period of agreement
The Academy of Sciences for the Developing World (TWAS)	-	2006/2007	The fostering of scientific and technological cooperation among developing countries.	2006-2011 automatically renewed unless terminated.
International Bank for Reconstruction and Development	-	2006/2007	Joint conclusions on deepening cooperation & developing knowledge partnership on harnessing of science and technology for poverty alleviation & economic development.	2006-2007
Funds in Trust Agreement between UNESCO and DST	-	2012/2013	Trained senior government officials in SADC member states in STI policy analysis, formulation and implementation; to analyse S&T institutional strengths and weaknesses and national innovation systems through international cross-country comparisons; reviewing and update existing STI policies or developing new STI policies.	2012-2014 automatically renewed unless terminated.
Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre)	-	2005/2006	Scientific and Technological Cooperation. DST is the current President of the Governing Council of NAM S&T Centre. The DST in collaboration with NAM S&T Centre is hosting a three year programme on Minerals Processing and Beneficiation (2015 to 2017).	Open ended
DST/NRF- International Institute for Applied Systems	-	2007/2008	Scientific and Technological Cooperation. In collaboration with IIASA the DST/NRF is hosting a Southern African Systems Analysis	Open ended

Analysis (IIASA) Cooperation agreement			Centre based at UWC, Stellenbosch, Limpopo and Wits.	
European Molecular Biology Conference (EMBC) and European Molecular Biology Organization (EMBO)	-	2008/2009	Strengthen cooperation in the field of molecular biology and closely-related research. Opportunities offered by EMBC/O EMBO Fellowships EMBO Courses and Workshops held in South Africa Attendance at EMBO Courses & Workshops Travel grants	2008-2010 2011-2014 renewed
International Bank for Reconstruction and Development (IBRD)	-	2013/2014	The MOU is aimed at supporting the Southern Africa Mobile Lab (MLab); partnering on knowledge sharing; innovative initiatives/pilots in townships and rural areas; and policy dialogue.	Duration of the Country Partnership Strategy (2014- 2017)
SADC	SADC	2008/2009	Foster cooperation and promote, the development, transfer and mastery of science, technology and innovation in Member States	2008 – legally binding from the date of signature

No multilateral agreements were signed since 1 April 2016

Agreements within the past 10 financial years with international private sector

Agreement with	Country	Financial year	Outcomes	Period of agreement
Hitachi	Japan	2008/2009	To develop the capacity of South African engineers through a training program in Japan.	2009-2011 2012-2014 renewed 2015-2017 renewed
Microsoft South Africa	United States	2011/2012	Collaboration on human capital development, enterprise development, and high performance computing.	Open ended
Nokia Corporation	Finland	2011/2012	Implementing joint programmes through the project management office established at the CSIR to support mobile application, African SKA bid, access to broadband network communities, and educational support programme.	2011-2013
Systems Applications Products South Africa (SAP)	Germany	2011/2012	The objective is to provide advanced human capital development for Post-doctoral, masters and PHD students at SAPP research internet application services office in Pretoria.	2011-2014

No agreements were signed with international private sector partners since 1 April 2016.