

## South African participants in FP7 projects

Theme	Project Acronym	Project Title	South African Partner
Health	GEN2PHEN	Genotype-To-Phenotype Databases: A Holistic Solution	University of the Western Cape
Health	THINC	Targeting HIV Integration Co-Factors, Targeting Cellular Proteins During Nuclear Import Or Integration Of HIV	University of KwaZulu-Natal
Health	NOVSEC-TB	Novel secretion systems of Mycobacterium tuberculosis and their role in host-pathogen interaction	South African Medical Research Council
Health	TBSUSGENT	Sustaining research momentum over the coming decades: mentoring the next generation of researchers for tuberculosis	University of Cape Town
Health	EUCO-NET	Network for European / third countries cooperation in the field of HIV & TB	Stellenbosch University
Health	EQUITABLE	Enabling universal and equitable access to healthcare for vulnerable people in poor resource settings	Human Sciences Research Council
Health	EQUITABLE	Enabling universal and equitable access to healthcare for vulnerable people in poor resource settings	Secretariat of the African Decade for People with Disabilities

Health	EQUITABLE	Enabling universal and equitable access to healthcare for vulnerable people in poor resource settings	Stellenbosch University
Health	PREPARE	Promoting sexual- and reproductive health among adolescents in southern and eastern Africa mobilising parents, schools, and communities	University of Limpopo
Health	PREPARE	Promoting sexual- and reproductive health among adolescents in southern and eastern Africa mobilising parents, schools, and communities	University of Cape Town
Health	RN4CAST	Nurse Forecasting: Human Resources Planning in Nursing	North-West University
Health	MONITORING MEDICINES	Optimizing drug safety monitoring to enhance patient safety and achieve better health outcomes	
Health	PRD COLLEGE	Poverty related Diseases College(International Programme on BioMedicine and Development)	International Center for Genetic Engineering and Biotechnology (Cape Town)
Health	<u>CRIMALDDI</u>	Coordination, rationalisation and integration of antimalarial drug discovery initiative	University of Cape Town
Health	<u>MM4TB</u>	More Medicines for Tuberculosis	University of Cape Town
Health	<u>CHAARM</u>	Combined highly active anti-retroviral microbicides	Council for Scientific and Industrial Research

Health	<u>ARCADE HSSR</u>	African Regional Capacity Development for Health Systems and Services Research	Stellenbosch University
Health	<u>PARAVAC</u>	Vaccines against helminth infections	Agricultural Research Council
Health	<u>HARP</u>	Evaluation and impact of screening and treatment approaches for the prevention of cervical neoplasia in HIV-positive women in Burkina Faso and South Africa: HPV in Africa Research Partnership	University of the Witwatersrand
Health	<u>HURAPRIM</u>	Human Resources for Primary Health Care in Africa	Wits Health Consortium (Pty) Ltd
Health	<u>CHEPSAA</u>	Consortium for Health Policy and Systems Analysis in Africa	Wits Health Consortium(Pty) Ltd, University of Cape Town, and University of the Western Cape
Health	<u>MUTHI</u>	Multi-disciplinary University Traditional Health Initiative (MUTHI): Building Sustainable Research Capacity on Plants for Better Public Health in Africa	University of the Free State and University of the Western Cape
Health	<u>UNITAS</u>	Universal coverage in Tanzania and South Africa: Monitoring and evaluating progress	University of KwaZulu-Natal and University of Cape Town
Health	ATP	Access to pharmaceuticals	South African Medical Research Council

Health	<u>CCH FEVER</u>	Crimean Congo Hemorrhagic Fever; Modern Approaches to Diagnostics, Surveillance, Prevention, Therapy and Preparedness.	National Health Laboratory Services
Health	<u>EUCO-NET</u>	European network for global cooperation in the field of AIDS & TB	Stellenbosch University
Health	<u>RN4CAST</u>	Nurse forecasting: Human resources planning in nursing	North West University
Health	<u>AMASA</u>	Accessing medicines in Africa and South Asia	University of the Western Cape
Food, Agriculture and Biotechnology	INSTAPA	Novel staple food-based strategies to improve micronutrient status for better health and development in sub-Saharan Africa	University of KwaZulu-Natal
Food, Agriculture and Biotechnology	ASFRISK	Evaluating and controlling the risk of African swine fever in the EU	Agricultural Research Council
Food, Agriculture and Biotechnology	ARBO-ZOONET	International network for capacity building for the control of emerging viral vector borne zoonotic diseases	National Health Laboratory Services
Food, Agriculture and Biotechnology	TXOTX	Technical Experts Overseeing Third country Expertise	University of Cape Town
Food, Agriculture and Biotechnology	TB-STEP	Strategies for the eradication of bovine tuberculosis	University of Pretoria

Food, Agriculture and Biotechnology	ICONZ	Integrated control of neglected zoonoses: improving human health and animal production through scientific innovation and public engagement	Stellenbosch University
Food, Agriculture and Biotechnology	PLAPROVA	Plant Production of Vaccines	University of Cape Town
Food, Agriculture and Biotechnology	BIO CIRCLE	Creating a CIRCLE by extending the BIO NCP network to Third Country NIPs	Council for Scientific and Industrial Research
Food, Agriculture and Biotechnology	<u>BIO CIRCLE 2</u>	Reinforcing the international cooperation in FP7 FAFB strengthening the CIRCLE of Third Countries BIO NCPs	Department of Science and Technology
Food, Agriculture and Biotechnology	SWEETFUEL	Sweet Sorghum: an alternative energy crop	Agricultural Research Council
Food, Agriculture and Biotechnology	<u>EAU4FOOD</u>	European Union and African Union cooperative research to increase Food production in irrigated farming systems in Africa/ EAU4Food	Stellenbosch University and Council for Scientific and Industrial Research
Food, Agriculture and Biotechnology	<u>BRIGHTANIMAL</u>	Multidisciplinary approach to practical and acceptable precision livestock farming for SMEs in Europe and world-wide	Consumer Goods Council of South Africa
Food, Agriculture and Biotechnology	<u>MYCORED</u>	Novel integrated strategies for worldwide mycotoxin reduction in the food and feed chains	South African Medical Research Council
Food, Agriculture and Biotechnology	<u>TB-STEP</u>	Strategies for the eradication of bovine tuberculosis	University of Pretoria

Food, Agriculture and Biotechnology	<u>QBOL</u>	Development of a new diagnostic tool using DNA barcoding to identify quarantine organisms in support of plant health	Stellenbosch University
Food, Agriculture and Biotechnology	<u>FRUIT BREEDOMICS</u>	Integrated approach for increasing breeding efficiency in fruit tree crops	Agricultural Research Council
Food, Agriculture and Biotechnology	<u>ANIMALCHANGE</u>	An Integration of Mitigation and Adaptation options for sustainable Livestock production under climate change	University of Pretoria
Food, Agriculture and Biotechnology	<u>AFTER</u>	African Food Tradition Revisited by Research	Council for Scientific and Industrial Research
Food, Agriculture and Biotechnology	<u>PLANTLIBRA</u>	PLANT food supplements: Levels of Intake, Benefit and Risk Assessment	Council for Scientific and Industrial Research
Food, Agriculture and Biotechnology	<u>AGROCOS</u>	From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest	Council for Scientific and Industrial Research
Food, Agriculture and Biotechnology	<u>ORBIVAC</u>	Development of Vaccines for bTV, EHDV and AHSV	Deltamune (Pty) Ltd
Food, Agriculture and Biotechnology	<u>JOLISAA</u>	JOint Learning about Innovation Systems in African Agriculture	University of Pretoria
Food, Agriculture and Biotechnology	<u>PLAPROVA</u>	Plant production of vaccines	University of Cape Town

Information and Communication Technologies	EUROAFRICA-ICT	Connecting the EU and sub-Saharan Africa for ICT partnerships	Council for Scientific and Industrial Research
Information and Communication Technologies	S-PULSE	Shrink-Path of Ultra-Low Power Superconducting Electronics	Stellenbosch University
Information and Communication Technologies	FLOSSINCLUDE	Free/Libre and Open Source Software: International Cooperation development roadmap	University of the Western Cape
Information and Communication Technologies	DIGITALWORLD	DIGITALWORLD Forum on Accessible and Inclusive ICT	Council for Scientific and Industrial Research
Information and Communication Technologies	IST-AFRICA 2008	IST-Africa 2008 – 2009, Regional Impact of Information Society Technologies in Africa	Wits Commercial Enterprise
Information and Communication Technologies	<u>IST-AFRICA 2010 - 11</u>	IST-Africa Initiative (2010 - 2011) Regional Impact of Information Society Technologies in Africa	Department of Science and Technology
Information and Communication Technologies	AIDA	Advancing ICT for DRM in Africa	Council for Scientific and Industrial Research
Information and	IRMA	Integrated Risk Management for Africa	Council for Scientific and Industrial Research

Communication Technologies			
Information and Communication Technologies	GRIFS	Global RFID Interoperability Forum for Standards	Gs1 South Africa
Information and Communication Technologies	<u>VOICES</u>	VOIce-based Community-cEntric mobile Services for social development	North-West University and Council for Scientific and Industrial Research
Information and Communication Technologies	<u>OSIRIS</u>	Towards an open and sustainable ICT research infrastructure strategy	Council for Scientific and Industrial Research
Information and Communication Technologies	<u>AUTOPROFIT</u>	Advanced Autonomous Model-Based Operation of Industrial Process Systems	Sasol Synfuels (Pty)
Information and Communication Technologies	<u>MASSIF</u>	Management of Security information and events in Service InFrastructures	T-Systems South Africa (Pty) Ltd
Information and Communication Technologies	<u>DIGITALWORLD</u>	Digital world forum on accessible and inclusive ICT	Council for Scientific and Industrial Research
Information and Communication	<u>GRIFS</u>	Global RFID interoperability forum for standards	Gs1 South Africa

Technologies			
Nanosciences, Nanotechnologies, Materials and New Production Technologies	EUMET	Olefin metathesis as a practical synthetic tool	Sasol Technology
Nanosciences, Nanotechnologies, Materials and New Production Technologies	<u>NATIOMEM</u>	Nano-structured TiON Photo-Catalytic Membranes for Water Treatment	Umgeni Water
Nanosciences, Nanotechnologies, Materials and New Production Technologies	<u>CAPWA</u>	Capture of evaporated water with novel membranes	Sappi Ltd
Nanosciences, Nanotechnologies, Materials and New Production Technologies	<u>AIM</u>	Advanced industrial microseismic monitoring	Iss International Limited
Environment (including Climate Change)	DEVCOCAST	GEONETCast for and by Developing countries	Council for Scientific and Industrial Research
Environment (including Climate Change)	DEVCOCAST	GEONETCast for and by Developing countries	University of Cape Town
Environment (including	LIVEDIVERSE	Sustainable Livelihoods and Biodiversity in Riparian	Council for Scientific and Industrial Research

Climate Change)		Areas in Developing Countries	
Environment (including Climate Change)	EBONE	European Biodiversity Observation Network; a project to design and test a biodiversity observation system integrated in time and space	Council for Scientific and Industrial Research
Environment (including Climate Change)	AEGOS	African-European Georesources Observation System	Council For Geoscience
Environment (including Climate Change)	<u>AFROMAISON</u>	Africa at a meso-scale: Adaptive and integrated tools and strategies for natural resources management	Institute of Natural Resources Association and University of KwaZulu-Natal
Environment (including Climate Change)	<u>IWWA</u>	Integrated Waste Management In Western Africa	Influential Inputs Cc
Environment (including Climate Change)	<u>MEECE</u>	Marine ecosystem evolution in a changing environment	University of Cape Town
Environment (including Climate Change)	<u>WHATER</u>	Water Harvesting Technologies Revisited: Potentials for Innovations, Improvements and Upscaling in Sub-Saharan Africa	University of KwaZulu-Natal
Environment (including Climate Change)	<u>HEALTHY FUTURES</u>	Health, environmental change and adaptive capacity: mapping, examining and anticipating future risks of water-related vector-borne diseases in eastern Africa	University of Cape Town

Environment (including Climate Change)	<u>CLARA</u>	Capacity-Linked water supply and sanitation improvement for Africa's peri-urban and Rural Areas	Water Research Commission
Environment (including Climate Change)	<u>GMOS</u>	Global Mercury Observation System	South African Weather Service
Environment (including Climate Change)	<u>GEONETCAB</u>	GEO Network for capacity building	Umvoto Africa (Pty) Ltd and Council for Scientific and Industrial Research
Environment (including Climate Change)	<u>PRACTICE</u>	Prevention and restoration actions to combat desertification. An integrated assessment	North-West University
Environment (including Climate Change)	<u>EO2HEAVEN</u>	Earth Observation and ENVironmental modelling for the mitigation of HEALth risks	Council for Scientific and Industrial Research And University of KwaZulu-Natal
Environment (including Climate Change)	<u>FUME</u>	Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world	South African National Biodiversity Institute
Environment (including Climate Change)	<u>VEG-I-TRADE</u>	Impact of climate change and globalisation on safety of fresh produce governing a supply chain of uncompromised food sovereignty	Council for Scientific and Industrial Research and University of Pretoria
Environment (including Climate Change)	<u>EO-MINERS</u>	Earth observation for monitoring and observing environmental and societal impacts of mineral resources exploration and exploitation	Anglo Operations Limited and Council For Geoscience

Environment (including Climate Change)	<u>LIVEDIVERSE</u>	Sustainable livelihoods and biodiversity in riparian areas in developing countries	Council for Scientific and Industrial Research
Environment (including Climate Change)	<u>QWECI</u>	Quantifying Weather and Climate Impacts on Health in Developing Countries)	University of Pretoria
Environment (including Climate Change)	<u>CARBOCHANGE</u>	Changes in carbon uptake and emissions by oceans in a changing climate	Council for Scientific and Industrial Research
Environment (including Climate Change)	<u>IMPRINTS</u>	IMproving Preparedness and Risk maNagementT for flash floods and debriS flow events	University of KwaZulu-Natal
Environment (including Climate Change)	<u>DEWFORA</u>	Improved Drought Early Warning and FORecasting to strengthen preparedness and adaptation to droughts in Africa	Wr Nyabeze and Associates and Council for Scientific and Industrial Research
Environment (including Climate Change)	<u>CLUVA</u>	CLimate change and Urban Vulnerability in Africa	Council for Scientific and Industrial Research
Environment (including Climate Change)	<u>CLIMAFRICA</u>	Climate change predictions in Sub-Saharan Africa: impacts and adaptations	University of Cape Town

Environment (including Climate Change)	<u>GREENSEAS</u>	Development of global plankton data base and model system for eco-climate early warning	University of Cape Town and Council for Scientific and Industrial Research
Environment (including Climate Change)	<u>SUNRAY</u>	Sustainable Nutrition Research for Africa in the Years to come	North-West University
Environment (including Climate Change)	<u>SWEETFUEL</u>	Sweet Sorghum : an alternative energy crop	Agricultural Research Council
Energy	<u>COCATE</u>	Large-scale CCS Transportation infrastructure in Europe	South African National Energy Research Institute Proprietary Limited
Energy	<u>ENEXAL</u>	Novel technologies for enhanced energy and exergy efficiencies in primary aluminium production industry	Lindbergh Trading (Proprietary) Limited
Transport (including Aeronautics)	ALFA-BIRD	Alternative Fuels and Biofuels for Aircraft Development	Sasol Technology
Transport (including Aeronautics)	FUTURE	Flutter-Free Turbomachinery Blades	Council for Scientific and Industrial Research
Transport (including Aeronautics)	FUTURE	Flutter-Free Turbomachinery Blades	Stellenbosch University
Transport (including	SIMBA II	Strengthening road transport research cooperation between Europe and emerging international	Council for Scientific and Industrial Research

Aeronautics)		markets II	
Transport (including Aeronautics)	<u>STADIUM</u>	Smart transport applications designed for large events with impacts on Urban mobility	Saha International (Sa) Pty Ltd, Multimedia Innovations (Pty) Ltd and Council for Scientific and Industrial Research
Transport (including Aeronautics)	<u>FFAST</u>	Future fast aeroelastic simulation technologies	Council for Scientific and Industrial Research
Socio-economic sciences and Humanities	NET4SOCIETY	Trans-national co-operation among National Contact Points for Socio-economic sciences and the Humanities	Human Sciences Research Council
Socio-economic sciences and Humanities	MERCURY	Multilateralism and the EU in the Contemporary Global Order	University of Pretoria
Socio-economic sciences and Humanities	INGINEUS	Impact of Networks, Globalisation, and their Interaction with EU Strategies	Human Sciences Research Council
Socio-economic sciences and Humanities	INGINEUS	Impact of Networks, Globalisation, and their Interaction with EU Strategies	University of Pretoria
Socio-economic sciences and Humanities	EU-GRASP	Changing Multilateralism: The EU as a Global-regional Actor in Security and Peace	Institute for Security Studies
Socio-economic sciences and Humanities	<u>CHANCE2SUSTAIN</u>	Urban Chances: City growth and the sustainability challenge; Comparing fast growing cities in growing economies	University of KwaZulu-Natal
Socio-economic sciences	<u>MERCURY</u>	Multilateralism and the EU in the	University of Pretoria

and Humanities		contemporary global order	
Science in Society	EJOLT	Environmental Justice Organizations, Liabilities and Trade	University of KwaZulu-Natal
Science in Society	<u>NANOCODE</u>	A multistakeholder dialogue providing inputs to implement the European Code of Conduct for Nanosciences & Nanotechnologies (N&N) research	Department of Science and Technology
Security	SEREN	Security Research NCP Network – Phase one	Council for Scientific and Industrial Research
Marie Curie: International Research Staff Exchange Scheme	GENES AND SPECIATION	Genetics of Ecological Speciation in Birds	University of Cape Town
Marie Curie: International Research Staff Exchange Scheme	GENES AND SPECIATION	Genetics of Ecological Speciation in Birds	University of Pretoria
Marie Curie: International Research Staff Exchange Scheme	LEGIM	Legume Improvement	University of Pretoria
Marie Curie: International Incoming Fellowship	<u>GREEN</u>	Global Re-ordering: Evolution through European Networks	University of Cape Town
Marie Curie: Initial Training Networks	<u>GATEWAYS</u>	Multi-level assessment of ocean-climate dynamics: A gateway to interdisciplinary training and analysis	University of Cape Town
Marie Curie: Industry Academia Pathways and	<u>GEO-INSTALL</u>	Modelling installation effects in geotechnical engineering	Stellenbosch University

Partnerships			
Research Infrastructures	PREPSKA	A Preparatory phase proposal for the Square Kilometre Array	National Research Foundation
Research Infrastructures	EURORIS-NET	European Research Infrastructures Network of National Contact Points	Department of Science and Technology
Research Infrastructures	IMPACT	Improving Protein Annotation and Coordination through Technology	University of Cape Town
Research Infrastructures	BELIEF-II	Bringing Europe's Electronic Infrastructures to Expanding Frontiers II	Council for Scientific and Industrial Research
Research Infrastructures	<u>PAERIP</u>	Promoting African? European Research Infrastructure Partnerships	Technoscene (Pty) Ltd
Research for the benefit of SMEs	OPTITEMPTANK	Development of an Integrated System for Cost Effective Temperature Control in Aquaculture Tanks	Talbot & Talbot
Research for the benefit of SMEs	<u>DEAMMRECIRC</u>	The development of a deammonification treatment to remove nitrogen from recirculated water used in aquaculture	Act Of Grace 128
Research for the benefit of SMEs	<u>CTA-PP</u>	The Preparatory Phase for the Cherenkov Telescope Array	North-West University

Research for the benefit of SMEs	<u>RPC-HVTS-DCS</u>	Development environment and demonstrators for resonant power conversion facilitating high voltage test systems using very low frequency and DC-sources	University of the Witwatersrand
Science in Society	EUROSIS	Science in Society NCP Network	Human Sciences Research Council
Science in Society	<u>DEORBIT SAIL</u>	De-Orbiting of Satellites using Solar Sails	Stellenbosch University
Research for the benefit of SMEs	<u>PLASMON</u>	A new, ground based data-assimilative modeling of the Earth's plasmasphere - a critical contribution to Radiation Belt modeling for Space Weather purposes	National Research Foundation
Research for the benefit of SMEs	<u>EUNAWE</u>	Building on the International Year of Astronomy: Making young children aware of the Universe	National Research Foundation
Research for the benefit of SMEs	<u>WATPLAN</u>	Spatial earth observation monitoring for planning and water allocation in the international Incomati Basin	Geoterra Image and University of KwaZulu-Natal
Research for the benefit of SMEs	<u>MALAREO</u>	EO in Malaria Vector Control and Management	South African Medical Research Council and University of KwaZulu-Natal
Research for the benefit of SMEs	<u>GLOWASIS</u>	A collaborative project aimed at pre-validation of a GMES Global Water Scarcity Information Service	University of KwaZulu-Natal
Research for the benefit of SMEs	<u>GARNET-E</u>	GMES for Africa: Regional Network for Information Exchange and Training in Emergencies	African Association of Remote Sensing of the Environment, Eis-Africa, a network for the co-operative management of

			environmental information, and Council for Scientific and Industrial Research
Research for the benefit of SMEs	<u>EAMNET</u>	Europe Africa Marine Network	University of Cape Town
Activities of International Cooperation	CAAST-NET	Coordination and Advancement of sub-Saharan Africa-EU Science & Technology Cooperation Network	Department of Science and Technology
Activities of International Cooperation	CAAST-NET	Coordination and Advancement of sub-Saharan Africa-EU Science & Technology Cooperation Network	Research Africa
Activities International Cooperation	INCONTACT	Network of the INCO-NCPs	Department of Science and Technology
Activities of International Cooperation	<u>INCONTACT-ONE WORLD</u>	Trans-national co-operation among NCPs for International Cooperation	Department of Science and Technology
Activities of International Cooperation	ESASTAP-2	Strengthening the European-South African Science and Technology Advancement Programme	Department of Science and Technology
	<u>AEROAFRICA-EU</u>	Promoting European - South African research cooperation in aeronautics and air transport	Department of Science and Technology
Activities of International	<u>ERAFRICA</u>	Developing African-European joint collaboration for Science and Technology	Department of Science and Technology

Cooperation			
Activities of International Cooperation	<u>ABESTII</u>	Argentinean Bureau for Enhancing Cooperation with the European Community in the Science, Technology and Innovation Area. Phase II	Department of Science and Technology
Activities of International Cooperation	<u>SACCESS</u>	Supporting the EU access to South Africa's research and innovation programmes	Department of Science and Technology
EURATOM: Nuclear Fission and Radiation Protection	CARBOWASTE	Treatment and Disposal of Irradiated Graphite and Other Carbonaceous Waste	South African Nuclear Energy Corporation
EURATOM: Nuclear Fission and Radiation Protection	CARBOWASTE	Treatment and Disposal of Irradiated Graphite and Other Carbonaceous Waste	Pebble Bed Modular Reactor
EURATOM: Nuclear Fission and Radiation Protection	<u>EUROPAIRS</u>	End User Requirement fOr Process heat Applications with Innovative Reactors for Sustainable energy supply	University of North West and Pebble Bed Modular Reactor Company (Pty) Ltd
EURATOM: Nuclear Fission and Radiation Protection	<u>NUCL-EU</u>	Reinforcing the networking of FP7 National Contact Points (NCP) and third country contacts in the Euratom Fission programme	South African Nuclear Energy Corporation Limited