

List of leading institutions involved in the SASSCAL research portfolio 1.0

Angola

Instituto Superior de Ciências de Educação da Huíla (ISCED-Huíla)

<http://isced.ed.ao/>

Tasks 154, 209, 210, 301

Instituto Superior Politécnico Tundavala (ISPT)

<http://www.isptundavala.ed.ao/index.php/apresentacao>

formerly *Universidade Privada de Angola (UPRA)*

<http://www.upra.ao/>

Tasks 139, 141

Unidade de Pesquisa de Biotecnologia e Química (UPBQ, CNIC)

<http://uniaquimica.com.br/index.php?modulo=biotec>

Tasks 147, 173

Universidade Agostinho Neto de Luanda (UAN)

<http://www.uan.ao/>

Tasks 171, 196, 208

Universidade José Eduardo dos Santos (UJES)

<http://www.ujes-ao.org/>

Tasks 137, 144

Botswana

Department of Meteorological Services (DMS)

<http://www.info.bw/~mettest/>

Tasks 323, 332

Botswana University of Agriculture and Natural Resources (BUAN, BCA)

<http://www.bca.bw/>

Tasks 308, 311, 316, 321, 335

University of Botswana (UB)

<https://www.ub.bw/>

Tasks 337, 338, 341

University of Botswana, Okavango Research Institute (ORI)

<http://www.ub.bw/home/ac/1/fac/8/dep/9/Okavango-Research-Institute/>

Tasks 304, 314, 344, 349

Germany

Bundesanstalt für Geowissenschaften und Rohstoffe, Federal Institute for Geosciences and Natural Resources (BGR)

<http://www.bgr.bund.de>

Tasks 010, 082

Climate Service Center Germany (GERICS)

<http://www.climate-service-center.de>

Tasks 004, 006

Deutscher Wetterdienst, German Meteorological Service (DWD)

Department Climate Monitoring

<http://www.dwd.de>

Tasks 123

Deutsches Zentrum für Luft- und Raumfahrt, German Aerospace Center (DLR)

German Remote Sensing Data Center (DFD)

<http://www.dlr.de/dlr/en/desktopdefault.aspx/tabid-10002/>

Tasks 002

Friedrich Schiller Universität Jena, Friedrich-Schiller University Jena (FSUJ)

Department of Geoinformatics, Hydrology and Modelling (DGHM)

<http://www.geoinf.uni-jena.de>

Tasks 008, 018, 023

Institut für sozial-ökologische Forschung, Institute for Social-Ecological Research (ISOE)

<http://www.isoe.de/en/home/>

Task 016

Leibniz Universität Hannover, Leibniz University of Hannover (UHan)

Institute for Environmental Economics and World Trade (IUW)

<http://www.iuw.uni-hannover.de>

Task 230

Philipps-Universität Marburg, Phillips University of Marburg (UMR)

Institute for Co-operation in Developing Countries (ICDC)

<http://www.uni-marburg.de/fb02/ike>

Tasks 200, 201

Universität Bremen, University of Bremen (UBremen)

Lab of General Microbiology

<http://www.uni-bremen.de/>

Tasks 044, 051A

Universität Hamburg, University of Hamburg (UHH)

Institute for Plant Science and Microbiology (UHH BZF)

<https://www.biologie.uni-hamburg.de/en/einrichtungen/biozentrum-klein-flottbek.html>

Task 159A

Institute for Zoology (UHHZoo)

<http://www.uni-hamburg.de/biologie/BioZ/>

Tasks 042, 052

Institute of Social and Cultural Anthropology (UHH Anthro)

<http://www.ethnologie.uni-hamburg.de/>

Task 037

Institute of Soil Science (IfB)

<http://www.geowiss.uni-hamburg.de/i-boden/>

Tasks 043A, 072

Universität Trier, Trier University (UTrier)

Remote Sensing Department

<http://www.uni-trier.de/?id=2580&L=2>

Tasks 032, 043B

Namibia

Gobabeb Research and Training Centre (GRTC)

<http://www.gobabebtrc.org>

Task 054

Ministry of Agriculture, Water and Forestry (MAWF)

Directorate of Agricultural Research & Development

<http://www.mawf.gov.na/de/directorate-research-and-development>

Task 001

National Botanical Research Institute (NBRI)

<http://www.nbri.org.na>

Tasks 059, 060

National Hydrological Services Namibia

<http://www.mawf.gov.na/Services/water.html>

Task 014

Namibia Nature Foundation (NNF)

<http://www.nnf.org.na/>

Task 166

Namibia University of Science and Technology (NUST)

<http://www.nust.na/>

formerly Polytechnic of Namibia (PoN)

Tasks 033, 038, 041, 051B, 062, 073, 148, 159B, 303

University of Namibia (UNAM)

Department of Geography

<http://www.unam.na/faculties/humanities/departments.html>

Task 007

Wildlife Trade Monitoring Network (TRAFFIC)

<http://www.traffic.org/namibia-timber-officer/>

Task 035

South Africa

Council for Scientific and Industrial Research (CSIR)

<http://www.csir.co.za/>

Tasks 131, 203, 205, 229

Stellenbosch University (SUN)

<http://www.sun.ac.za/>

Tasks 079, 231, 233

Zambia

Centre for Environmental Research, Education and Development (CERED)

Task 221

Department of National Parks & Wildlife (DNPW)

<http://www.zambiatourism.com/about-zambia/conservation/department-of-national-parks-wildlife/>

Tasks 189, 190

International Union of Forest Research Organizations (FRO)

<https://www.iufro.org/>

Task 182

Mulungushi University (MU)

<http://www.mu.ac.zm/>

Tasks 163, 188

National Remote Sensing Centre (NRSC)

<https://www.nrsc.org.zm/>

Task 151

University of Zambia (UNZA)

<https://www.unza.zm/>

Tasks 109, 184, 191

Zambia Agriculture Research Institute (ZARI)

<http://www.zari.gov.zm/>

Task 157

Zambia Air Services Training Institute (ZASTI)

<http://www.zasti.ac.zm/>

Task 300

Zambia Community Based Natural Resource Management (CBNRM)

Task 302

Zambia Meteorological Department (ZMD)

<http://www.zmd.gov.zm/>

Task 187

Task ID	Title	Thematic area	Country	Institution	Principal investigator
001	Improved weather observation network	Climate	Namibia	MAWF	Salome Kruger
002	Remote Sensing applications for flood risk management	Water	Germany	DLR	Hannes Taubenböck
004	Development of a user friendly regional climate modelling system	Climate	Germany	GERICS	Andreas Hänsler
006	Expanding the database for a robust regional climate change assessment and uncertainty analysis	Climate	Germany	GERICS	Andreas Hänsler
007	Improving knowledge and understanding of groundwater flow, water quality and quantity variations, improve methodology of groundwater availability study: Cuvelai Kunene	Water	Namibia	UNAM	Heike Wanke
008	Integrated data base on water quality and quantity (incl. maps) for ILWRM	Water	Germany	FSUJ	Sven Kralisch
010	Improving the understanding of groundwater related processes and establishing groundwater budgets for water management purposes	Water	Germany	BGR	Thomas Himmelsbach
014	Operational system for remote sensing based flood monitoring and mapping services	Water	Namibia	MAWF	Pauline F. Mufeti
016	Determination of water-related vulnerabilities and risks based on water demand analyses	Water	Germany	ISOE	Stefan Liehr
018	Integrated river basin assessment and modelling with aquifer integration	Water	Germany	FSUJ	Sven Kralisch
023	Development of a decision support system (DSS) for ILWRM	Water	Germany	FSUJ	Sven Kralisch
032	Improved Forest Resource Assessment	Forestry	Germany	UTrier	Joachim Hill
033	Development of a national forest monitoring program for Namibia	Forestry	Namibia	NUST	Nichola Knox
035	A Critical Assessment of the Economic and Environmental Sustainability of the Namibian Indigenous Forest/ Timber Industry	Forestry	Namibia	TRAFFIC	Markus Burgener
037	Deforestation and Development: The changing value of natural forest for rural livelihoods (incl. wood consumption, non-timber products)	Forestry	Germany	UHH	Michael Schnegg
038	Forest regeneration, growth, threats and trends in different forest types	Forestry	Namibia	NUST	Vera de Cauwer
041	Landscape literacy	Agriculture	Namibia	NUST	Ibo Zimmermann
042	Agricultural monitoring programme and conflicts in landuse	Agriculture	Germany	UHZoo	Jörg Ganzhorn
043A	Monitoring agricultural ecosystems with regards to climate change effects	Agriculture	Germany	UHZSoil	Annette Eschenbach
043B	Monitoring agricultural ecosystems with regards to climate change effects	Agriculture	Germany	UTrier	Joachim Hill
044	Food security: Improved cultivation of pulses	Agriculture	Germany	UBremen	Barbara Reinhold-Hurek
051A	Improved soil fertility management	Agriculture	Germany	UBremen	Barbara Reinhold-Hurek
051B	Improved soil fertility management	Agriculture	Namibia	NUST	Percy Chimwamurombe
052	Animal biodiversity and conservation Inventories, monitoring and	Biodiversity	Germany	UHZoo	Jörg Ganzhorn
054	Examine impact of predicted altered climate and reduced fog along the Namib coast as a result of warming of the Benguela	Climate	Namibia	GRTC	Mary Seely
059	Plant and vegetation databases of the National Botanical Research Institute, Namibia	Biodiversity	Namibia	NBRI	Frances Chase
060	Establish and Improve baseline inventories for spatial data on biodiversity - Flora of Namibia Project	Biodiversity	Namibia	NBRI	Frances Chase
062	Vegetation Survey of Namibia	Biodiversity	Namibia	NUST	Ben Strohbach

Task ID	Title	Thematic area	Country	Institution	Principal investigator
072	Impact of bush encroachment on ground water resources	Agriculture	Germany	UHHSoil	Annette Eschenbach
073	Impact of bush encroachment on ground water resources	Agriculture	Namibia	NUST	Dave Joubert
079	Development of Regional Masters Programme on Dryland Forestry	Capacity Development	Namibia	SUN	Ben du Toit
082	Support of the Establishment of a MSc Programme of Applied and Environmental Geology at University of Namibia, Windhoek	Capacity Development	Germany	BGR	Thomas Himmelsbach
109	Understanding the burden of sediment on ecosystems and national	Water	Zambia	UNZA	Henry M. Sichingabula
123	Historical and ongoing climate data management	Climate	Germany	DWD	Frank Kaspar
131	Land cover change and adaptation to climate change impacts in mixed crop-livestock production systems in southern Africa	Biodiversity	South Africa	CSIR	Luthando Dziba
137	Deforestation monitoring in Huambo province from 2002 - 2012 using detection technologies and geographic information systems (GIS)	Forestry	Angola	UJES	Virgínia Lacerda Quartin
139	Installation of an Experimental Basin in Rio Giraul in the Namibe Province	Water	Angola	ISPT	Amândio Teixeira-Pinto
141	Development of Meteorological Observation Conditions in Angolan Southwest Province of Namibe and slopes of Serra da Chela	Climate	Angola	ISPT	Carlos Manuel Fernandes Ribeiro
144	The Effect of Climate Variations on Sowing Date of Principal Food Crops in	Agriculture	Angola	UJES	Ambrogio Fortunato Almeida
147	System management of soil fertility, integrating the rational use of fertilizers in agriculture and Bio fertilizers on the basis of rhizobia	Agriculture	Angola	UPBQ	Ginhas Manuel Alexandre
148	The impacts of fire on biodiversity and ecosystem processes in woodland	Biodiversity	Namibia	NUST	David Joubert
151	Develop and improve integrated national and seamless regional land use assessment	Agriculture	Zambia	NRSC	Samuel Maango
154	Plant and vegetation assessments in the region and elaboration of regional vegetation databases and vegetation maps	Biodiversity	Angola	ISCED	António Valter Chissingui
157	Building capacity for seed testing and monitoring of germplasm accessions held in the gene bank	Agriculture	Zambia	ZARI	Dickson Ng'uni
159A	Strengthening a regional Biodiversity Observation Network in the region	Biodiversity	Germany	UHHBzf	Norbert Jürgens
159B	Strengthening a regional Biodiversity Observation Network in the region	Biodiversity	Namibia	NUST	Ben Strohbach
163	Capacity Building in Bee-Keeping and Honey Production Value-chain	Forestry	Zambia	MulUUN	Malunga M. Mwape
166	Improved knowledge of aquatic ecosystems supporting fisheries, development of integrated strategies for sustainable fisheries and	Biodiversity	Namibia	NNF	Denis Tweddle
171	Study of the impact of land use in the water resources (water courses, rivers and lakes) in the south-east of Angola	Water	Angola	UAN	Lopes Ferreira Baptista
173	Mitigation of the effect of soil erosion	Agriculture	Angola	CNIC	João Carlos Ferreira
182	Management of the Zambezi teak <i>Baikiaea plurijuga</i> forests and other associated woodlands in Western Zambia in a changing climatic regime	Forestry	Zambia	FRO	Lishomwa Mulongwe
184	Baseline inventory of Zambia's biodiversity	Biodiversity	Zambia	UNZA	Keith Mbata
187	Expand, modernize and improve weather observation network, improve forecasting in Zambia	Climate	Zambia	ZMD	Edson Nkonde
188	Establishing a soil laboratory for soil amendment and fertilizer	Agriculture	Zambia	MulUUN	Kelvin Munsanje

Task ID	Title	Thematic area	Country	Institution	Principal investigator
189	Biodiversity monitoring and assessment programme for the Busanga Swamps, Zambia	Biodiversity	Zambia	DNPW	Chuma Simukonda
190	Conflicting land use (agriculture vs. wildlife)	Agriculture	Zambia	DNPW	Christopher Kaoma
191	Developing water quantity and quality database for Western Zambia	Water	Zambia	UNZA	Imasiku Nyambe
196	Multiple hazard maps and geological-geophysical works for risk assessment at medium and large scale	Water	Angola	UAN	Gabriela J.P. Teixeira Pires
200	Impacts of climate change on agricultural ecosystems: tenure and management strategies	Agriculture	Germany	UMAR	Michael Kirk
201	Socio-economic framework for sustainable land management and implications for Integrated Natural Resource Management	Agriculture	Germany	UMAR	Michael Kirk
203	Climate Change and Impacts	Climate	South Africa	CSIR	Emma Archer van Garderen
205	Adaptation strategies for the South African, Namibian and Zambian dryland forests and timber plantations to climate change	Forestry	South Africa	CSIR	Sasha Naidoo
208	Inventory of inshore and freshwater invertebrates and small vertebrates	Biodiversity	Angola	UAN	Carmen Van-Dünem dos Santos
209	Animal biodiversity and conservation inventories, monitoring and	Biodiversity	Angola	ISCED	Fernanda Lages
210	Strengthening a regional Biodiversity Observation Network in the region	Biodiversity	Angola	ISCED	Fernanda Lages
221	Forest resource assessment in the Mopane (Colophospermum) eco-region	Forestry	Zambia	CERED	Patrick W. Matakala
229	Adaptation to climate change impacts in mixed crop-livestock production systems in southern Africa	Agriculture	South Africa	CSIR	Moses A. Cho
230	Food Security with special focus on Wetland Management in the KAZA	Agriculture	Germany	UHan	Ulrike Grote
231	Hydrological and hydro-geological baseline data and modelling	Water	South Africa	SUN	Willem de Clercq
233	Risk assessment and early warning systems	Water	South Africa	SUN	Willem de Clercq
300	Capacity building for providing training in climate change related courses	Capacity Development	Zambia	ZASTI	Billieard C. Shingalili
301	Education and training for evaluation, monitoring and management of	Capacity Development	Angola	ISCED	Fernanda Lages
302	Strengthening community capacity to collect and analyse information for management decisions in research based projects	Capacity Development	Zambia	CBNRM	Vincent Ziba
303	Post graduate Programme in Applied Science in Earth Observation, GIS and Remote Sensing	Capacity Development	Namibia	NUST	Frikkie Louw
304	Development of strategies for sustainable use and management of savannah ecosystem resources and services in northern Botswana through remote sensing based spatial database tools	Biodiversity	Botswana	ORI	Richard Fynn
308	Water Use Efficiency and Grain Quality of Crops Under Water Deficit	Agriculture	Botswana	BCA	Utlwang Batlang
311	Improved forest resource assessment including socioeconomic baseline in Botswana	Forestry	Botswana	BCA	Joyce Lepetu
314	Exploring human-wildlife interactions in agro-ecosystems in northern	Biodiversity	Botswana	ORI	Gaseitsiwe Masunga
316	Making use of the wild legume resource to improve arable and livestock farming in Botswana	Agriculture	Botswana	BCA	Flora Pule-Meulenberg
321	Vegetation survey of Botswana	Biodiversity	Botswana	BCA	Koketso Tshireletso
323	Improving weather observational network across Botswana	Climate	Botswana	DMS	Mompoti Bazibi

Task ID	Title	Thematic area	Country	Institution	Principal investigator
332	Historical and ongoing Climate Data Management	Climate	Botswana	DMS	Molemoeng C. Matsheka
335	Cultivation, value addition and marketing of climate smart emerging crops to improve food security	Forestry	Botswana	BCA	R.I. Kobue-Lekalake
337	Towards improved spatial data for hydrological modelling and implications for water resources management: The case of notwane catchment in	Water	Botswana	UB	Piet K. Kenabatho
338	Community Capacity Building for Natural Resources Management and	Capacity Development	Botswana	UB	Kutlwano Mulale
341	The impacts of climate change on livelihoods and implications for adaptive strategies in the Kalahari ecosystem of western Botswana	Climate	Botswana	UB	Bothepha Mosefhi
344	Improved database on water quality and quantity: Botswana	Water	Botswana	ORI	Wellington R.L. Masamba
349	Research Capacity Development for the SASSCAL Countries	Capacity Development	Botswana	UB	J.E. Mbaiwa