

TUESDAY 2 DECEMBER 2014						
Venues	South Campus Auditorium	Bld 1230007	1,230,002	1,230,026		
08h45	<b>Plenary Session 1</b> <i>Title TBC, Chairman: DST</i>					
08h45-09h00	Opening Remarks by conference chair DST/NRF/MMMU: Prof Derrick Swartz					
09h00-09h15	Opening Keynote address: DST					
09h15-10h00	Robert Costanza: <i>Title TBC</i>					
10h00-10h15	Perspectives by key partners					
10h15-10h45	TEA	TEA	TEA	TEA		
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026		
10h45	<b>Session 2: Poverty</b>	<b>Session 3: Agriculture</b>	<b>Session 4: Coastal</b>	<b>Session 5: Energy</b>		
10h45-11h00	Seeing through housing development: contesting space and power in Jozini Municipality, KwaZulu-Natal, South Africa S.Myeni	Elevated CO2 stimulates associative N2 fixation but inhibits NH4+ assimilation in a C3 grass species F.Dakora	Using stable isotopes to assess flood effects on trophic functioning of the St Lucia Estuary following a prolonged drought event M.Bird	Influence of blending on the efficiency of the co-gasification process of coal and corn stover A. Anukam		
11h00-11h15	Population growth, food production and land grabbing: An unlikely decline? J-C. Ashukem	Canola yield and chlorophyll accumulation in response to planting dates and climatic variables S. Dolo	Environmental drivers, ecosystem response and the socio-economic impact of the first Lingulodinium polyedrum Harmful Algal Bloom in South Africa T.Borrmann	CHARACTERISTICS OF PERMIAN GAS-SHALES IN THE LOWER KAROO SUPERGROUP NEAR JANSENVILLE IN THE EASTERN CAPE, SOUTH AFRICA C.Geel		
11h15-11h30	Attaining poverty alleviation and the normative underpinnings of sustainable development T. Rushambwa	Leafy vegetables phytochemical contents: emphasis on total antioxidants and carbohydrates S.Mathe	Estuaries in the Anthropocene: quantifying changes along the KwaZulu-Natal coastline M.Cowie	Deep-reaching dynamic fracture modelling of the Karoo: implications on the control of energy development in South Africa T. Dhansay		
11h30-11h45	Climate adaptation as development challenge: Understanding vulnerability of smallholder communities in East Africa B. Siebenhuener	Evaluation of yield performance and water use of spring triticale cultivars in the Limpopo Province L.Munjonji	Marine protected area improves yield without disadvantaging fishers A.Gotz	SHALE GAS IN SOUTH AFRICA: CONTEXTUALIZING ITS SOCIO-ECONOMIC AND POLITICAL IMPLICATIONS B.Morkel		
11h45-12h00	Notions of Sustainability and Development: With a particular reference to the Clairwood, Durban Port Expansion. Is it geared towards poverty reduction? A. Tshabalala	Effects of abiotic stresses and leaf harvesting on nutritional yield (Fe and Zn) of sweet potato (Bophelo) M. Nyathi	Coral bleaching responses on the central reef complex in Sodwana Bay, South Africa A. Harikishun	Energy		
12h00-12h15	Household vulnerability assessment to climate change impacts, Eastern Cape Province L.Zhou	The effect of indigenous chicken egg yolk concentrations and temperature on short-term preservation of South African indigenous goat semen M.Bopape	Temporal and spatial variation of benthic invertebrate assemblage in rock pools along the east coast of South Africa S.Malongo	Baseline Groundwater Hydrochemistry and Aquifer Connectivity of Selected Areas in the Eastern Cape Karoo Prior to Anticipated Hydraulic Fracturing of Shale Gas D. Stroebel		
12h15-12h30	Examining access to fisheries resources in a changing policy environment: Presenting research results from two case studies in the Western Cape, South Africa. S.Williams	An investigation into the growth of Tilapia (Oreochromis mossambicus) in a cattle manured culture system with and without formulated feed S.Madyibi	Ecology and the problem with space: An evaluation of reef fish in Tsitsikamma Marine Protected Area D. Parker	Investigations of sedimentological and geochemical aspects of the Lower Ecca Group black shales for their gas potential-Karoo Basin, South Africa N. Chere		
12h30-12h45	Tracking sustainable development in South Africa using a downscaled "safe and just space" framework M. New	Disease related factors responsible for meat condemnation in apparent healthy sheep slaughtered at a smallholder abattoir V.Nongcula	The systematics and ecology of fiddler crabs (Uca spp.) in KwaZulu-Natal with emphasis on feeding N. Peer	Towards establishing a microseismic baseline of the Karoo leading up to potential shale gas exploration V.Wagner		
12h45-13h00	Poverty	The adaptability of the invasive asiatic blue tick, rhhipcephalus microplus: An african perspective N.Nyangiwe	Decline of the giant mangrove whelk, Terebralia palustris, in South African mangroves. J. Raw	Understanding the Coega fault - why this is important to Port Elizabeth's economy M. Goedhart		
13h00-14h00	LUNCH	LUNCH	LUNCH	LUNCH		
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026		
14h00	<b>Session 6: Carbon</b>	<b>Session 7: Agriculture</b>	<b>Session 8: Education</b>	<b>Session 9: Mining</b>		
14h00-14h15	SIMPLIFYING SOIL CARBON ACCOUNTING WITH CONTINUOUS VERTICAL DISTRIBUTION FUNCTIONS L.Wiese	Integrated use of inorganic fertilizer and compost for sustainable maize production in a long-term trial. J. Dlamini	Exploring up-skilling opportunities and professional practices in the Marine Sector of South Africa: Initial insights and challenges moving forward C. Bell	Mineral characterization of South African mine tailings for Mineral Carbonation. M. Amponsh-Dacosta		
14h15-14h30	The effect of herbivory on the carbon balance of Portulacaria afra Y. Els	Overview of rangeland degradation caused by Opuntia-invasion in semi-arid zones of South Africa, implications on grazing strategies, carbon sequestration and agricultural land values L. Chipfupa	Exploring how trainers and food producers access and use information in a landscape of practice where learning networks develop around agricultural activity. K. Carlyon	IN-SITU REMEDIATION OF ACID MINE WATER IN DEEP GOLD MINES OF SOUTH AFRICA USING PUMP, A GEO-BIO-ENGINEERING SYSTEM DRIVEN BY GEOTHERMAL ENERGY T. Ntholi		
14h30-14h45	The Seasonal Cycle of CO2 fluxes in the Southern Ocean as a rigorous mode to test coupled physics – biogeochemical model sensitivity P. Mongwe	Crop modelling for climate change impact assessment – a Western Cape case study M. Wallace	Challenges faced by rural Junior Secondary Schools in dealing with risks and vulnerabilities N. Nongalo	Use of Sustainable or Green Water Management Practices by the Mining Companies in South Africa: Employee's Perspective S. Liphadzi		
14h45-15h00	Improving wave glider carbon system using quality statistical measures and controls O. Mpahla	Agriculture	Earth Systems as foundations for work with new environmental knowledge in the South African national curriculum for schooling R. O'Donoghue	environmental impact of Sand Mining in the O.R Tambo region (case study of Port St Johns and Coffee Bay) A.Mngeni		
15h00-15h15	Atmospheric measurements in South Africa to obtain estimates of terrestrial carbon dioxide sources and sinks A. Nickless	SPATIAL ASSESSMENT OF OPTIMUM AND SUB-OPTIMUM GROWING AREAS FOR SELECTED BIOFUEL FEEDSTOCKS IN SOUTH AFRICA T. Khomo	RESEARCHING THE RECONTEXTUALISATION OF NEW KNOWLEDGE IN SCHOOLS AND CLASSROOMS I. Schudel			
15h15-15h30	Optimising strategies for sampling air-sea carbon dioxide fluxes in the Southern Ocean P.Monteiro	Irrigation water management in Zimbabwe: implications of the informal institutions K. Nhundu	Epistemic access to developing foundational science learning and skills in the biodiversity sector ... are the rumors about online citizen science true? P. Vallabh	Mining		
15h30-15h45	Estimating greenhouse gas emissions at a community scale in South Africa M. Jagarnath	Distribution and diversity of cereal stem borers and their host plants in the Eastern Cape Province, South Africa S. Nombewu	Education	Mining		
15h45-16h15	TEA	TEA	TEA	TEA		

Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
16h15	<b>Session 10: Transformation</b>	<b>Session 11: Technology</b>	<b>Session 12: Remote Sensing</b>	<b>Session 13: Conservation</b>
16h15-16h30	Transdisciplinarity and knowledge co-production: Possibilities for deepening our grasp of social learning in global change research and learning communities H. Lotz-Sisitka	Impact of timing and photon detection system characteristics on the accuracy of the HarTRAO Lunar Laser C. Munghemezulu	Using remotely sensed vegetation indices to detect changes in vegetation productivity and phenology C. Davis	How well are Protected Areas in South Africa conserving their bird species? G. Duckworth
16h30-16h45	Transformative water research practice – a response to the multiple stressors of global change C. Palmer	TiO2 NANOPARTICLES ANODE MATERIAL FOR EFFICIENT STORAGE DEVICES M. Gandamipfa	Airborne Geophysics Observatory for Earth and Human Resources, Ecosystems and Built Environment M. Doucouré	Relevance of geographic variation C. Moshobane
16h45-17h00	Inclusion of Political Economy as an approach to Global Change T. Sega	Reaction kinetics of Pt-M (M = Ru) binaries for hydrogen evolution studies S. Gwicana	Evaluating the utility of the medium-spatial resolution Landsat-8 multispectral sensor in quantifying aboveground biomass in uMgeni catchment, South Africa T. Dube	Global Change and endemic seabirds in Algoa Bay L. Pichegru
17h00-17h15	A Transdisciplinary Dialectical Approach to Earth Stewardship Science A. Serper	The multi-disciplinary design and optimisation of a novel 50 kW wind turbine generator – Khamisoa J. Stander	African Geodetic Reference Frame (AFREF) Contribution to Determining Physical Change of the Earth I. Muzondo	Lessons learnt from Rangeland Conservation Practices. Systematic analyses of practices in the Umzimwubu Catchment area F. Ngcebetsha
17h15-17h30	THE IMPORTANCE OF TRANSFORMATION IN SCIENCE S. Sibanda		A REMOTE SENSING APPROACH TO QUANTIFYING BUSH ENCROACHMENT ACROSS A RAINFALL GRADIENT IN THE EASTERN CAPE A. Skowno	Remnant natural vegetation maintains high parasitoid diversity within an agricultural landscape in the Cape Floristic Region biodiversity hotspot. R. Gaigher
17h30-17h45	Sustainability and Structural Transformation in Africa: Game Changers, Social Innovation and System Change P. Buthelezi	3-D reservoir characterization and flow simulation of Aptian/Albian silicate sandstone reservoirs in Bredasdorp Basin, offshore South Africa- for improved fluid flow characterization A. Onaneye	Assessing the utility of Worldview-2 spectral and spatial configuration for tree species mapping in the savannah environment S. Madonsela	Landscape heterogeneity is crucial for biodiversity in transformed landscapes J. Pryke
17h45-18h00	Transformation	Technology	Impacts of land cover changes on ecosystem service delivery using GIS, remote sensing and social innovation tools at Duiwenhoks catchment, Western Cape (SA) M. Tshindane	Composition and diversity of anthropogenically altered Mopaneveld N. van Staden
18h00	Closure	Closure	Closure	Closure
19h00	<b>Interactive Evening/Debate: "Environmental concerns are playing too much of a role in shaping South Africa's future energy system". Facilitator: Steve Arowolo. Venue: Foyer: Building 123</b>			
<b>WEDNESDAY 3 DECEMBER 2014</b>				
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
08h15	<b>Plenary Session 1: Transforming ideas and practices in global change science and practice. Chairman: Prof Guy Midgley</b>			
08h15-08h45	Change, transformation, and the evolution of complex systems David Bell			
08h45-09h15	Trans-disciplinarity in ecological restoration: scaling up and drilling down Karen Esler			
09h15-09h45	Transforming the deadlock between development and sustainability in South Africa Peter Lukey			
09h45-10h15	Mainstreaming Gender and Socio-Cultural Paradigms in Global Change Research Phindile Lukhele-Olorunju and Theresa Moyo			
10h15-10h45	TEA	TEA	TEA	TEA
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
10h45	<b>Session 2: Panel Discussion- Plenary Venue. Chair: Ms Deborah Ramalope, DEA</b>			
10h45-11h00	Panel Discussion			
11h00-11h15	Panel Discussion Continued			
11h15-11h30	Panel Discussion Continued			
11h30-11h45	Panel Discussion Continued			
11h45-12h00				
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
12h00	<b>Session 3: Climate</b>	<b>Session 4: Economics</b>	<b>Session 5: Invasive Alien species</b>	<b>Session 6: Urban int</b>
12h00-12h15	Vulnerability analysis of the southern Benguela system using the Atlantis modelling framework K. Ortega-Cisneros	Payments for Ecosystem Services: Recognising the perspectives obstacle. A case study from the Port Elizabeth western catchment areas. M.Talbot	GLOBAL CHANGE vs CLIMATE CHANGE: THE IMPACT OF LANDUSE CHANGE AND ALIEN PLANT INVASION ON SOUTH AFRICAN ESTUARIES D.Veldkornet	An Investigation of Possible Augmentation of water from Groundwater Resources to Mangaung Metro-municipality, in Bloemfontein. C.Makoe
12h15-12h30	Drastic climate change over southern Africa – from the Pleistocene to the Anthropocene F. Engelbrecht	'Beyond the farm gate': The impact of climate variability on the maize value chain in South Africa. S.Arowolo	Potential drivers of alien invasive C4 grasses at De Hoop nature reserve N.Munyai	AWARENESS AND ADAPTABILITY TO WASTE MANAGEMENT IN O.R. Tambo District Municipality (South Africa) S.Buso
12h30-12h45	Trends in historical rainfall records from the Eastern Cape escarpment – empirical evidence of local climate change. L.Bentley	TOWARDS A SECONDARY RESOURCES ECONOMY: A NATIONAL WASTE RDI ROADMAP FOR SOUTH AFRICA L.Godfrey	THE IMPACT OF RIPARIAN ALIEN VEGETATION REMOVAL ON BENTHIC MACROINVERTEBRATES AND ADULT ODONATA OF THE CATCHMENT IN THE EASTERN SOUTHPANSBERG, LIMPOPO PROVINCE V.Modiba	Climate change disasters and elderly people in OR Tambo District Municipality M.Nakin
12h45-13h00	UNDERSTANDING UNCERTAINTY IN RAINFALL FROM REGIONAL CLIMATE MODEL SIMULATIONS: A HYDROLOGICAL PERSPECTIVE S.Kusangaya	South Africa's Resource Flow Profile C.Beyers	Effects of the surrounding grassland and pine plantation on natural forest arthropod assemblages within KwaZulu-Natal timber production areas I.Yekwayo	People's perspective on urban forestry: using the case study of Johannesburg City Parks Soweto tree planting initiative H.RADEBE
13h00-14h00	LUNCH	LUNCH	LUNCH	

Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>14h00</b>	<b>Session 3 cont: Climate</b>	<b>Session 4 cont: Economics</b>	<b>Session 5 cont: Health</b>	<b>Session 6 cont: Urban int</b>
14h00-14h15	DYNAMICS OF CLIMATE VARIABILITY OVER THE CAPE SOUT COAST OF SOUTH AFRICA C. Engelbrecht	Global Change Economics W.Mkhize	HEALTH IN THE WATERBERG, UP IN SMOKE? A.Itzkin From clinical episodes atlas of malaria to combined climatic determinants and vegetation index. Analyzing vulnerability to early emerging malaria in the Eastern Cape Province C.Lokotola	Climate Change adaptation and poverty reduction co-benefits: a case study of eThekweni Municipality K.Diga
14h15-14h30	Detection and attribution of long-term climatic and hydrological trends in the Cathedral Peak catchments S.Majazi	Deepening the Green Economy Discourse in South Africa J.Wakeford	Evidence for integrating point of care diagnostics as an integral part of primary healthcare in South African rural communities: a people-centred health system-strengthening approach T.Mashamba-Thompson	Cape Town and the Cape Floristic Region: sustainability in the face of global change N.Allsopp
14h30-14h45	A Multivariate Regression Model for Predicting Precipitation in the Cathedral Peak catchments F.Morris	Greening the Manufacturing Sector in South Africa J.Wakeford	Determinants and Risk factors of Cardiovascular Diseases among Urban Adults in Mdantsane, Eastern Cape. Z.Mayekiso	Urban Farming and the 'Rurbanisation' of Bulawayo Townships: Interrogating Space, Food security and Survival in Zimbabwe D.Chibvongodze
14h45-15h00	Short-range predictability for different synoptic types over southern Africa T.Ngwana	Development of biorefinery scenarios as extensions to sugar mills: Sustainability and social upliftment in the green economy A.Daful	The Impact of Nutrition Supplementation Programme on Children's Health: A Case Study Mqanduli, Eastern Cape B.Nogidela	The physical and social benefits of urban agriculture projects run by non-governmental organisations in Cape Town D.Olivier
15h00-15h15	Verification of Temporal Downscaling Model of Estimating Hourly Temperatures from Daily Minimum and Maximum Temperatures P.Tharaga	Facilitating Green Economy Research in South Africa: Insights from the Green Fund N.Mohamed	Use of system innovation for sustainable health system in Low-Middle Income Countries: Case of Angola P.Sekhejane	The Incremental upgrading: With specific focus on the impact made by the IShack project and the views of Enkanini residents in Enkanini Stellenbosch. P.Buthelezi and N.Khenyana
15h15-15h30	EXPLORING CANOLA AS WINTER CROP FOR CURRENT AND POSSIBLE FUTURE CLIMATE CONDITIONS IN LIMPOPO USING AGRICULTURAL PRODUCTION SYSTEM SIMULATOR (APSIM) N. Mobe	The impact of government support on growth, survival and performance of cooperatives in selected areas of Eastern Cape Province, South Africa. V.Mqaba	SUSTAINABILITY IMPACTS OF CLIMATE-DRIVEN AGRICULTURAL LAND USE CHANGE IN KWAZULU-NATAL, SOUTH AFRICA: A MULTIDISCIPLINARY RESEARCH SYNTHESIS P.Hitayezu	Implementing the green city policy in municipal spatial planning: the case of Buffalo City Metropolitan Municipality A. Dlani
15h30-15h45	Climate		Health	
15h45-16h15	TEA			
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>16h15</b>	<b>Session 7: Modelling</b>	<b>Session 8: Ethics</b>	<b>Session 9: Geology</b>	<b>Session 10: Species</b>
16h15-16h30	How do tree limit fire, towards a global change perspective B.Nondlazi	PERSPECTIVES ON THE ECOLOGY-POLICY INTERFACE J.PAUW	COOLING HISTORIES OF THE ARCHAIC TANZANIAN CRATON, EASTERN AFRICA: USING A COMBINATION OF APATITE FISSION-TRACK AND (U-Th)/HELIUM THERMOCHRONOMETRY. C.Kasanzu	Host range specificity of Bukholderia nodulated legumes in the CCR K.Sinyanya
16h30-16h45	Dynamic Vegetation Models as a tool for understanding global change impacts on South African biomes G.Moncrieff	The Vagaries of Global Change Regional Research Cooperation R.Kruger	Geology	THE INABILITY OF C4 GRASSES TO SURVIVE SUNFLECK UNDER-STORIES IS EXPLAINED BY A NOVEL MECHANISM C.Adams
16h45-17h00	The importance of the HarTRAO Lunar Laser Ranging system for modelling long-term Global Change in the Southern Hemisphere S.Ndlovu	THE PURSUIT OF SUSTAINABLE DEVELOPMENT THROUGH CULTURAL LAW, POLICY AND GOVERNANCE FRAMEWORKS IN SOUTH AFRICA. L.Owosuyi	Nanotechnology for the Provision of Clean Water from Acid Mine Drainage-contaminated Sources A. Etale	Change in flower visitor communities along a gradient from natural vegetation and into mango orchards (Mangifera indica, Anacardiaceae) orchards, in North-Eastern South Africa. L.Simba
17h00-17h15	Using species distribution models to understand community (and biome) assembly C.Trisos	Ethics	Geology	Atmospheric CO <sub>2</sub> , a driver of past and current changes in savanna tree cover B. Kgope
17h15-17h30	Representing hot, dry savannas in earth system models – insights from a validation of the CABLE land surface scheme at Skukuza and Malopeni in the Kruger National Park S.Archibald	Ethics	Geology	TBA Guy Midgley
17h30-17h45	Acid rain and surface water acidification in South Africa – a regional modelling study C.Curtis	Ethics	Geology	Species
17h45-18h00	The need for climate change experiments to supplement ecological monitoring in southern Africa B.Ripley	Ethics	Geology	Species
18h00	Closure	Closure	Closure	Closure
19h00	Congress Dinner: NMMU Sports Centre. Guest Speaker: Tony Frost			
<b>THURSDAY 4 DECEMBER 2014</b>				
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>08h15</b>	<b>Session 1: Plenary Session: Chairman DEA TBC</b>			
08h15-08h45	Human origins in southern Africa: the role of climate and environment in supporting early modern human persistence Richard Cowling			
08h45-09h15	"Ecological tipping points in a changing environment: A southern African perspective" William Bond			
09h15-09h45	Energy futures for South Africa and their socio-economic and environmental implications Salim Fakir			
09h45-10h15	Science and politics in the IPCC: Unpacking the 5th Assessment report Bob Scholes			
10h15-10h45	TEA			

Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>10h45</b>	<b>Session 2: Panel Discussion - Plenary Venue</b>			
10h45-11h00	Panel Discussion			
11h00-11h15	Panel discussion continued			
11h15-11h30	Panel discussion continued			
11h30-11h45	Panel discussion continued			
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>11h45/12h00</b>	<b>Session 3: Ocean</b>	<b>Session 4: Rural</b>	<b>Session 5: Monitoring</b>	<b>Session 6: Tech</b>
11h45-12h15	Global learning for local solutions: the southern Benguela component K. Cochrane			
12h00-12h15	The Agulhas System Climate Array J. Hermes	Cultural Tourism and Community-Led Development in Zimbabwe: A Case of Binga District S.F Mudhumo	Using photography to investigate the effects of long-term oceanographic changes on Southern Ocean epifauna C. von der Meden	Liquid-Liquid Equilibria Data for the azeotrope (Methanol + Water) and Ionic liquids using DSA 5000M. T. Mohale
12h15-12h30	Understanding the South African east coast shelf environment using ocean models N. Malan	Systematic land-cover change in KwaZulu-Natal, South Africa D Jewitt	Fire, biodiversity and global change in Fynbos: developing integrated management and long-term ecological observation and research tools J. Slingsby	Numerical Analysis of the Finite Strain in the Warm Zand Structure E. Saffou
12h30-12h45	Vulnerability analysis of the southern Benguela system using the Atlantis modelling framework K. Ortega-Cisneros	Understanding socio-political and ecosystem vulnerabilities in smallholder communities: A comparison of the Keiskamma and Mkomazi catchments in South Africa and Tanzania V. Kakembo	A critical reflection on what it takes to maintain a South African coastal long-term environmental research and monitoring network with management considerations for regional expansions S.Deyzel	Mathematical model of thermal variations on the HartRAO Lunar Laser Ranger optical telescope P. Tsela
12h45-13h00	Climate induced Cenozoic collapse and flushing of the Congo Basin: possible implications for global change in ocean chemistry B. Linol	Assessing the impacts of climate change on rural livelihoods in the O.R Tambo District Municipality, Eastern Cape, SA R. Mangaliso	Design and implementation of a web-based GNSS data management system for global change monitoring Z. Mashaba	Development of Sustainable biodegradable green composites from maize stalk residues for packaging applications S.Muniyasamy
13h00-14h00	LUNCH			
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>14h00</b>	<b>Session 7: Ecosystems</b>	<b>Session 8: Landscape/Social Learning</b>		
14h00-14h15	Albany subtropical thicket and Nama-Karoo biome boundaries: past, present and future shifts R. Duker	MEASURING, MAPPING AND VALUING ECOSYSTEM SERVICES IN AN URBAN PROTECTED AREA: A CASE STUDY OF LIFE-FULFILLING ECOSYSTEM SERVICES IN TABLE MOUNTAIN NATIONAL PARK G. Brill	Seasonal Cycle Discussion - reserve	DST/DEA - reserve
14h15-14h30	Ecosystems	Assessing the utility of the Random Forest ensemble algorithm to classify land use/cover in a complex environment K. Ndyamboti		
14h30-14h45	CAPTURING BASELINE VEGETATION DATA, INCLUDING AN ASSESSMENT OF PLANT SENSITIVITY TO INCREASED ACIDITY, IN THE WATERBERG B.S. Flood	THE EFFECT OF FARMERS' PERCEPTIONS AND KNOWLEDGE ON THE CONTROL OF THE BROWN LOCUST: A CASE OF THE 2009 BROWN LOCUST OUTBREAK IN THE CHRIS HANI DISTRICT MUNICIPALITY N. Skenyana		
14h45-15h00	The role of herbivory and drought in suppressing Acacia seedling establishment in a semi-arid savanna L.Perumal	Traditional weather forecast dissemination practices, challenges and opportunities; the case of Kilimanjaro mountain plains F. Chengula		
15h00-15h15	Mountains: The over-looked research frontier for South African climate change. N. Barker	Contribution of Public Extension to Food Security of Smallholder Farmers in Limpopo Province, South Africa in an Era of Climate Variability D. Afful		
15h15-15h30	Influences of river flows on recruitment success of Fynbos Riparian Vegetation along selected high gradient streams in the Western Cape, South Africa R. Magoba	A systematic approach to the interpretation of conductivity anomalies across intrusive dolerite dykes and sills in the Karoo Supergroup T. Sakhane		
15h30-15h45	Savanna tree distributions are not limited by climate N. Stevens			
15h45-16h15	TEA			
Venues	South Campus Auditorium	Bld 123 0007	Bld 123 0002	Bld 123 0026
<b>16h15</b>	<b>Session 8: Closing Plenary</b>			
16h15-17h00	Closing: DST/NRF New or emerging discourses and thinking (DST/NRF)			

Programme Subject to change