

Monday 21 April 2008			
Time	Presenter	Title	
8:00	Kruger, J	Welcome	
8:05	Dr B Mkhize	Opening	
	Balancing Objective		
8:20	Pienaar, D and Freitag-Ronaldson, S.	Objectives and how they work	
8:35	Biggs, H	SANParks and the active use of the concept complexity	
8:50	Kotschy, K.A and Rogers, K.H	Resilience of ecological communities: why and how should we measure it?	
9:20	Gillson, L	Resilience and thresholds in savannas: nitrogen, rainfall and fire as drivers and responders of vegetation transition	
9:35	Grant, R	System Ecology: How well are we addressing our objectives	
9:50	Discussion		
10:00	TEA		
	ATMOSPHERIC EFFECTS OBJECTIVE		
10:30	Sinden, L, Archer E.R.M and Piketh, S.J	Impacts of climate change and variability on vegetation in the Greater Limpopo Transfrontier Park	
11:00	Buitenwerf, R., Swemmer, A., and Peel, M. <i>et al</i>	Long-term changes in the herbaceous layer of two private reserves in the Lowveld	
11:15	Marshal, J.P.	The role of El Nino-Southern oscillation in the population dynamics of African buffalo	
11:30	Seydack, A.H.W., Grant, R., and Smit, I. <i>et al</i>	Climate effects and population performance of selective versus bulk feeding herbivores in the Kruger National Park	
11:45	Le Roux, E., Parrini F, and Owen-Smith N.	Disappearance of sable antelope (<i>Hippotragus niger</i>) from the Kruger National Park in relation to variation in rainfall, NDVI and burning regime	
12:00	Chamailé-Jammes, S, Fritz, H, Owen-Smith, N. ²	Principal component analyses reveal unexplained distribution changes of large herbivores in Kruger NP, South Africa	
	To consider explicitly the consequences of climate change on biodiversity patterns and functions		
12:02	Scheiter, S and Higgins, S.I.	Climate change and the future vegetation of the Kruger Park: a modelling approach	
12:17	Discussion		
12:30	LUNCH		
	Water in the landscape: Decision Support System Objective		
13:30	McLoughlin CA, <i>et al</i>	Application and testing of a Strategic Adaptive Management system for freshwater protection, associated with implementation of South Africa's national water policy	
13:45	Vieira, M.L. and Erasmus, B.F.N.	The use of Water Evaluation and Planning System (WEAP) in the Sabie River: towards equitable water management scenarios under climate change and population growth	
	Water in the Landscape: Hydrological Regimes Objectives		
14:00	Riddell, ES, <i>et al</i>	Determining the hydro-geomorphic setting of the Sand River's headwater wetlands, hydrological consequences for and findings thus far on rehabilitation attempts.	
14:15	Kiker, G	Development of an integrated catchment/river model for adaptive learning and ecosystem management on the Crocodile River system using the <i>Acru2000</i> and <i>QnD</i> models	
14:17	Discussion		
14:30	TEA		
	Water in the landscape: Associated biodiversity		
15:00	Buchanan, SK	Measuring changes in aquatic biodiversity	

	15:15	<u>Fouché P, et al</u>	The development of a conservation framework for southern Africa freshwater fish using <i>Opsaridium peringueyi</i> as a reference species.
	Succession		
	15:30	<u>Page, B. R.</u>	The interaction between climate, geomorphological processes and herbivory on riparian trees in the Shashe-Limpopo TFCA
	15:45	<u>Barichiev, C. and Rogers, K.H.</u>	The scaled nature of vegetation along the Shingwedzi river
	16:00	<u>Tye, ND and Rogers, KH</u>	The influence of stream order on riparian biodiversity in the Sabie River: The links between compositional, functional and structural diversity
	Consequences of water provisioning		
	16:15	<u>Matchett, K; Kirkman, K; and Morris, C; et al.</u>	Spatio-temporal soil and vegetation patterns in piosphere systems in the Kruger National Park.
	16:30	<u>Farmer, H, Witkowski, E and Peel, M</u>	Landscape functionality and conservation management in the southern African savanna
	16:45	Discussion	

Tuesday 22 April 2008

Time	Presenter	Title
Herbivory		
8:00	De Knegt, H, Van Langevelde, F et al.	Scale of habitat selection by African elephants
8:15	Kohi, E.M	Differential distribution of browse biomass in African Savannas: Elephants are among of unavoidable architectural engineers.
8:30	Pretorius, Y; de Knegt, H; and van Langevelde, F et al	Re-visiting elephants
8:45	Peel, M, O'Connor, T and Grant, R	Elephant impact on Sclerocarya birea and Acacia nigescens on protected areas in the eastern Lowveld, South Africa
9:00	Sterk, M W.F. de Boer, J.D. Stigter, F. van Langevelde, H.H.T. Prins ¹	Modelling the impact of fragmentation on elephant population dynamics.
9:15	Teren, G and Owen-Smith, N	Elephants and Elephants... Woodland impact in northern Botswana - the future for Kruger National Park?
9:30	Kiker, G	Development and testing of a spatial model of elephant, vegetation and fire dynamics for scenario-based management simulations.
9:45	Scholes, RJ and Mennell, KG	Scientific Assessment of Elephant Management in South Africa
10:00	TEA	
10:30	Mkhize, N.R, Scogings, P.F, and Luthando E. Dziba, L. E et al	Factors affecting foraging behaviour of browsers in savannas
10:45	Legendijk, G, Page, B and Slotow, R	The impact of large mammal herbivores on woody vegetation in the Sand Forest of Phinda Game Reserve
11:00	Shaw, J. A., Helary, S. and Owen-Smith, N.	Modeling the impact of browsing pressure on the nutritional status of a re-introduced black rhino population.
Plant-Animal Interactions		
11:15	Hattas D., Hjalten J., and Julkunen-Tiitto R., et al	Low molecular weight phenolics in six tree species at the Nkuhlu enclosure
11:30	Scogings, P.F., Rooke, and T., Hattas, et al	Phenolics, shoot growth and photosynthesis of abundant tree species during the wet season at the Nkuhlu Enclosures, Kruger National Park: 2005-2007
11:45	Mamshela, C.T., Shabangu, B.P., and Scogings, P.F. et al	Effects of browsing and water availability on Dichrostachys cinerea and Combretum apiculatum saplings
12:00	Discussion	
12:20	LUNCH	
Plant –plant competition		
13:30	February E and Higgins, S.	Root distribution for trees and grasses in a savanna system.
13:45	Treydte, A, and Jeltsch, F	Tree-grass-grazer interactions: Future projects on disappearing trees in African savannas
14:00	du Toit, J; Hebbelmann, L; and Wragg, P	Bankrupt seed-banks constrain bush encroachment
14:15	<u>Barbosa, ERM</u>	Competitive interactions between savanna trees and grasses: experiments on the multiple factor that influence the early seedling recruitment

	14:17	Discussion	
	14:30	TEA	
		Primary production	
	15:00	Adcock, K	Modeling Total Browser and Black Rhinoceros (<i>Diceros bicornis</i>) Carrying Capacity Relationships in Africa
	15:15	Penderis, CA and Kirkman, KP	Predicting browse seasonal growth for evergreen, semi-deciduous and deciduous savanna tree species in northern Zululand
	15:30	<u>Wessels, K.J.</u>	Relationship between herbaceous biomass and 1-km AVHRR NDVI data in Kruger National Park.
	15:45	Dwyer, P.C., Erasmus, B., and Witkowski, E. et al	A comparison of two methods for producing spatially explicit herbaceous biomass estimates from MODIS satellite data.
	16:00	Vogel, M; Main, R and Jobst, C	Remote Sensing Assessment of Tree Cover and Land cover change detection in KNP and surrounding regions
	16:15	Discussion	

Wednesday 23 April 2008		
Time	Presenter	Title
Impacts of herbivory on biodiversity		
8:00	Fynn R.W.S.	Keystone herbivores and key resource areas in Kruger National Park: Unlocking biodiversity and large herbivore abundance.
8:15	Gosling, C; Olf, H and Cromsigt, J	Termites as Creators of Environmental Heterogeneity
8:30	Cook, G.D.	Megaherbivores and their impacts in northern Australia: lessons from Kruger
8:45	<u>Deacon, A.R</u>	Small vertebrate monitoring on the KNP Intensive Monitoring Sites
9:00	Henley, M.D.; Henley, S.R.; and Hagens, Q.; et al	How does the feeding habits of elephants influence ground hornbills?
9:02	Discussion	
Terrestrial components of the hydrological cycle		
9:15	Higgins, S., February, E and Bond, W.J.	The effects of the manipulation of water supply on tree – grass interactions
9:30	Verweij R.J.T., February E. Higgins S. and Bond W.J.	Water use of two savanna tree species in relation to leaf phenology
9:45	Discussion	
10:00	TEA	
Fire		
10:30	Archibald, S., Scholes, R.J., and van Wilgen, B	“Where there is a spark is there fire?: the importance of ignitions in determining fire regimes in southern Africa”
10:45	Trollope, W.S, Govender, and N, Austin, et al	Savanna fire ignition research experiment (savfire) – promoting grassland and savanna heterogeneity for african wildlife through greater pyrodiversity
11:00	Trollope, L, Trollope, W and Austin, C	SavFire – The Savanna Fire Research Experiment, a Socio-scientific Partnership
11:15	Brockett, B and Bunting, S.C.	Exploring fire-derived phase switches in woody -grass vegetation states in Madikwe Game Reserve
11:30	Burns, C, Zinn, A, and Govender, N, et al	The distribution of large herbivores in a fire-managed savanna grassland: assessing the role of bottom-up processes
11:32	Discussion	
Soil Erosion		
11:45	Chadwick, O	Total erosion+B24 rates across Kruger National Park are 2-5 m My ⁻¹
Decomposition and nutrient cycling		
12:00	Hartshorn, T, Coetsee, C, and Chadwick, O	Pyromineralization of soil phosphorus
12:15	Khomo, L.M., Hartshorn, T.S., Chadwick, O.A. & Rogers, K.H.	Clay distribution on granitic catenas along climo-topographic gradients in Kruger
12:30	Makhado R.A, Scholes R.J and Kubheka W.M ^{1,2}	Soil respiration experiment at Skukuza, Kruger National Park
12:32	Discussion	
12:50	LUNCH	
AFTERNOON FREE TIME		

Thursday 24 April 2008

Time	Presenter	Title
Disease and Parasitism		
8:00	Govender, D	Detection of Babesia and Theileria parasites in white rhinoceroses (<i>Ceratotherium simum</i>) in the Kruger National Park, and its relation to anaemia
8:15	Hofmeyr M.S	Consequences of Corridor Disease (<i>Theileria parva</i>) in the re-introduced buffalo population at Marakele National Park
8:30	Bengis R.G. Govender D. and Keet D.F.	Multispecies cyanobacterial (algal) bio-intoxication events in the vicinity of two man-made impoundments in the Kruger National Park'
8:45	Joubert, J and. Bernard, R.T.F	Determining baseline blood chemistry values of free ranging African buffaloes (<i>Syncerus caffer</i>) and the effect of bovine tuberculosis
8:47	Jori F, Brahmabhatt D, Bengis R, and Du Plessis B, <i>et al</i>	An evaluation of the West-Southern fence of KNP and its implications in animal health control at the wildlife/livestock interface.
8:50	Discussion	
Factors and Processes		
9:05	Fritz, H.	Effects of anthropogenic sources of food on the diet of hyaenas inside Hwange National Park
9:07	Graf, J; Somers, M; Szykman, M and Slotow, R	Heterogeneity in the density and distribution of spotted hyaenas in Hluhluwe-iMfolozi Park, South Africa.
Pollination		
9:10	Warren, Marié	Understanding the relationships between fig wasps and fig trees
Land classification		
09:25	Coetzer, KL., Erasmus, B, and Witkowski, ETF et al.	Land cover change in the Central Lowveld: tracking annual changes in the Kruger to Canyon Biosphere Reserve (1993 – 2006)
09:40	Milgroom, J; and Shaffer, L.J.	A New Look at the Landscape Consequences of Population Resettlement from Protected Areas
09:55	Discussion	
10:10	TEA	
10:40	Cullum, C and Rogers, K.	The characterisation and classification of first order catchments in Kruger National Park
10:55	Ratshibvumo, T and Munyati, C.	Mapping Kruger National Park's Ecological Zones using Remote Sensing
Habitat Patterns		
11:10	Kleyn, L	Mapping sodic sites in the Kruger National Park using remote sensing and object-based classification techniques
11:25	Skidmore, A.K.	Plant biochemical maps of forage quality in African savannas using hyperspectral imagery
11:40	Asner, G	New Pilot Studies of KNP Ecosystems with the Carnegie Airborne Observatory
11:55	Discussion	
12:15	LUNCH	
Autecology of selected taxa		
13:45	Bond, W.J., Staver A.C., Schutz A., Cramer M.	Cages and poles: <i>Acacia</i> life histories and their implications
14:00	Van der Bank, M, Maurin, O and, Lahaye, R	A molecular phylogeny of the <i>Acacia</i> 's of the Kruger National Park (KNP)
14:15	Lahaye R, Van der Bank,, and Maurin	A DNA barcode for all trees and shrubs of the Kruger National Park (KNP)

		Olivier, et al	
	14:30	<u>Sithole H</u> , Parr C. L. and Smit, I	Current spread and mode of dominance of a new potential ant invader in Kruger National Park
	15:00	TEA	
	15:30	Helm, C.V and Witkowski, ETF	What don't we know about <i>Sclerocarya birrea</i> subsp.caffra?
	Community listing		
	15:32	Daemane, ME and Bezuidenhou, H	Ecological study of the plant communities and degraded areas of the proposed Highveld National Park, North-West Province, South Africa
	Genetic documentation		
	15:35	Edwards, J.M., Davies-Mostert, H.T., and Somers, M. et al	Population Summary and Genetic Structure of the Southern Kruger National Park Wild Dogs
	15:50	Discussion	
		Gala Dinner sponsored by Mellon Foundation	

Friday 25 April 2008		
Time	Presenter	Title
Alien Impact		
8:00	Michel, A.L	Tuberculosis in wildlife populations – a global perspective
8:15	Uys PW, Hoal EG, and Bengis R, et al	Zoonotic TB: risks and flow
8:30	Buss, P. E and De Klerk-Lorist, L	BTB surveys and statistics
8:45	Keet, D.F.	Does Frequent Exposure to Mycobacterium bovis affect Lion Existence?
9:00	Funston, P.J. and Ferreira, S.M.	Lion population dynamics: prey and disease effects
9:15	Ferreira, S M. and Funston, P.J.	The interpretation of lion call-up surveys
9:30	Masocha M, and Skidmore A.K.	Do termites facilitate the invasion of southern African savannas by exotic shrubs?
9:45	Foxcroft, L.C. Richardson D.M. and Rejmanek, M.	Alien plant invasions in African savannas
	Discussion	
10:15	TEA	
Approaches to collect relevant data		
10:45	Ferreira, S.M.	Census sensibility
11:00	Nel, H.P., Reilly, B.K. and Knoop, C.K.	Analysis of variance of replicated large ungulate aerial surveys in Madikwe Nature Reserve, north west province.
11:15	Morgan, S, Mackey, R L and Slowtow, R	A priori valuation of land for species conservation: carrying capacity approaches are flawed
Learning from other areas		
11:30	<u>Stevens, N</u> ; and Swemmer, A	Monitoring environmental change in the savanna biome: an overview of the activities of the SAEON Ndlovu Node
11:45	Beilfuss, R.D. and Pereira, C.L.	Post-war wildlife recovery and biodiversity conservation at Gorongosa National Park
12:00	<u>Eklom A</u> and Gillson L	Long term vegetation dynamics and socio-climatic change, Limpopo National park
12:15	Mostert, T.H.C, Schaminée, J.H.J., Bredenkamp, G.J., and Eckhardt, H., et al	A syntaxonomic synthesis of the entire Kruger National Park vegetation database.
12:17	<u>Ganswindt, A.</u> and Muenscher, S.	Take a nap: sleeping behaviour of free-ranging male African elephants (<i>Loxodonta africana</i>) during the day
12:19	Discussion	
12:25	Wrap up	