

**SOCIETY OF
SOUTH AFRICAN GEOGRAPHY
2010
NEWSLETTER**



For queries and contributions to the 2011 newsletter contact

Melanie Nicolau

nicolmd@unisa.ac.za

UNIVERSITY OF CAPE TOWN**Department of Environmental and Geographical Science**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Prof ME Meadows	Quaternary Environmental Change	Michael.meadows@uct.ac.za	(021)650-2873

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Dr BJ Abiodun	Lecturer	Atmospheric Science, Climatology	babiodun@csag.uct.ac.za	(021)6505737
Mrs S Adams	Admin Officer		Sharon.adams@uct.ac.za	(021)6502873
Dr P Anderson	Lecturer	Plant ecology & conservation	Pippin.anderson@uct.ac.za	(021)6505386
Dr J Battersby-Lennard	Lecturer	Urban geography & food security	Janee.battersby@uct.ac.za	(021)6505749
Dr S Daya	Lecturer	Gender, Modernity	Shari.day@uct.ac.za	
Dr F Eckardt	Senior Lecturer	Geomorphology & remote sensing	Frank.eckardt@uct.ac.za	(021)6504117
Prof B Hewitson	Professor	Atmospheric Science, Climatology	hewitson@csag.uct.ac.za	(021)6502784
Dr R Hill	Senior Lecturer	Environmental Assessment and Management	Richard.hill@uct.ac.za	(021)6502786
Dr S Oldfield	Associate Professor	Political and Economic Geography	Sophie.oldfield@uct.ac.za	(021)6502876
Prof S Parnell	Professor	Urban Studies, Historical Geography	Susan.parnell@uct.ac.za	(021)6502877

Dr M Ramutsindela	Associate Professor	Political geography & political ecology	Maano.ramutsindela@uct.ac.za	(021)6502783
Ms S Samsodien	Senior Secretary			(021)6502874
Dr M Sowman	Associate Professor	Fisheries & environmental management	Merle.sowman@uct.ac.za	
Dr K Winter	Lecturer	Environmental Management, Water Resources	Kevin.winter@uct.ac.za	(021)6502875
Dr G Ziervogel	Lecturer	Vulnerability and Adaptation	Gina@csag.uct.ac.za	(021)6504796

2010 dated publications

Authored books

Holloway, A.J., Fortune, G. and Chasi, V. 2010. RADAR Western Cape 2010: Risk and Development Annual Review. Cape Town: Periperi Publications. 101. 978 0 620 47554 9.

Edited books

Crush, J. and Frayne, B. (eds) 2010. In Surviving on the move: Migration, poverty and development in Southern Africa: 1-234. Cape Town: IDASA Publishing. 978 1 920409 09 8.

Crush, J. and Tevera, D. (eds) 2010. In Zimbabwe's exodus: Crisis, migration, survival: 1-399. Cape Town: South African Migration Programme. 978 1 920409 22 7.

Parnell, S. and Paddison, R. (eds) 2010. In Urban Studies Society Volume 4: 382. London: Sage Publications Ltd 1 Olivers Yard 55 City Road London England Ec1Y 1Sp \par . 978-1-84787-257-9.

Chapters in books

Crush, J. and Tevera, D. 2010. Exiting Zimbabwe. In Jonathan Crush and Daniel Tevera (eds), Zimbabwe's exodus: Crisis, migration, survival: 1-49. Cape Town: South African Migration Programme.

Crush, J. and Frayne, B. 2010. Surviving on the move. In Jonathan Crush & Bruce Frayne (eds), Surviving on the move: Migration, poverty and development in Southern Africa: 1-24. Cape Town: IDASA Publishing.

Laird, S., Wynberg, R.P. and McLain, R.J. 2010. The state of NTFP Policy and Law. In Sarah A Laird, Rebecca J McLain and Rachel P Wynberg (eds), Wild Product Governance: Finding Policies that Work for Non-Timber Forest Products: 343-365. London: Earthscan.

Mawadza, M. and Crush, J. 2010. Metaphors of migration: Zimbabwean migrants in the South African media. In Jonathan Crush and Daniel Tevera (eds), Zimbabwe's exodus: Crisis, migration, survival: 363-374. Cape Town: South African Migration Programme.

Nathan, L. 2010. Power, security and regional conflict management in Southern Africa and South Asia. In Kristian Berg Harpviken (eds), *Troubled Regions and Failing States: The Clustering and Contagion of Armed Conflicts*: 309-332. Bingley: Emerald Group Publishing Limited.

Parnell, S. 2010. Introduction: Cities, Ideas and Ideals. In Ronan Paddison and Susan Parnell(eds), *Urban Studies Society Volume 4*: vii-xiv. London: Sage.

Parnell, S. and Clark, G. 2010. Regional Development: A new pathway to a more equitable and resilient Cape Town. In Edgar Pieterse (eds), *Counter Currents: Experiments in Sustainability in the Cape Town Region*: 218-227. Cape Town: Jacana Media.

Ramutsindela, M.F. 2010. The demarcation process and the resultant large non-metropolitan municipalities in South Africa. In Nico Steytler (eds), *The first decade of the Municipal Demarcation Board: Some reflections on demarcating local government in South Africa*: 38-50. Arcadia, South Africa: Municipal Demarcation Board.

Tevera, D. and Crush, J. 2010. Discontent and departure: attitudes of skilled Zimbabweans towards emigration. In Jonathan Crush and Daniel Tevera (eds), *Zimbabwe's exodus: Crisis, migration, survival*: 112-130. Cape Town: South African Migration Programme.

Tevera, D., Crush, J. and Chikanda, A. 2010. Migrant remittances and household survival in Zimbabwe. In Jonathan Crush and Daniel Tevera (eds), *Zimbabwe's exodus: Crisis, migration, survival*: 307-321. Cape Town: South African Migration Programme.

Ulicki, T. and Crush, J. 2010. Poverty, gender and migrancy: Lesotho's migrant farmworkers in South Africa. In Jonathan Crush & Bruce Frayne (eds), *Surviving on the move: Migration, poverty and development in Southern Africa*: 164-182. Cape Town: IDASA Publishing.

Winter, K.J. 2010. Water and Sanitation in the City of Cape Town: Sustainability Uncertain. In Mark Swilling (eds), *Sustaining Cape Town: Imagining a livable city*: 101-114. Stellenbosch: SUN MeDIA Stellenbosch.

Wynberg, R.P. 2010. Navigating a way through regulatory frameworks for Hoodia use, conservation, trade and benefit sharing. In Sarah A Laird, Rebecca J McLain and Rachel P Wynberg (eds), *Wild Product Governance: Finding Policies that Work for Non-Timber Forest Products*: 309-326. London: Earthscan.

Journal Articles

Abiodun, B.J., Pal, J.S., Afiesimama, E.A., Gutowski, W. and Adedoyin, A. 2010. Modelling the impacts of deforestation on Monsoon rainfall in West Africa. *IOP Conference Series: Earth and Environmental Science* 13: 1-4

Archer, E.R.M. and Tadross, M.A. 2009. Climate change and desertification in South Africa: science and response. *African Journal of Range and Forage Science*, 26: 127-131.

Boardman, J., Foster, I.D.L., Rowntree, K., Mighall, T. and Gates, J. 2010. Environmental stress and landscape recovery in a semi-arid area, The Karoo, South Africa. *Scottish Geographical Journal*, 126(2): 64-75

Burrough, S.L., Thomas, D.S.G. and Singarayer, J.S. 2009. Late Quaternary hydrological dynamics in the Middle Kalahari: Forcing and feedbacks. *Earth-Science Reviews*, 96: 313-

- 326.P a g e | 5Burrough, S.L., Thomas, D.S.G. and Bailey, R. 2009. Mega-Lake in the Kalahari: A Late Pleistocene record of the Palaeolake Makgadikgadi system. *Quaternary Science Reviews*, 28: 1392-1411.
- Casale, M., Drimie, S., Quinlan, T. and Ziervogel, G. 2010. Understanding vulnerability in southern Africa: comparative findings using a multiple-stressor approach in South Africa and Malawi. *Regional Environmental Change*, 10: 157-168.
- Chase, B.M., Meadows, M.E., Carr, A.S. and Reimer, P.J. 2010. Evidence for progressive Holocene aridification in southern Africa recorded in Namibian hyrax middens: Implications for African Monsoon dynamics and the "African Humid Period". *Quaternary Research*, 74: 36-45.
- Chileshe, M. and Bond, V.A. 2010. Barriers and outcomes: TB patients co-infected with HIV accessing antiretroviral therapy in rural Zambia. *Aids Care*, 22(1): 51-59.
- Crespo, O., Bergez, J.E. and Garcia, F. 2010. Multiobjective optimization subject to uncertainty: Application to irrigation strategy management. *Computers and Electronics in Agriculture*, 74: 145-154.
- Crush, J. and Ramachandran, S. 2010. Xenophobia, International Migration and Development. *Journal of Human Development and Capabilities*, 11(2): 209-228.
- Daya, S. 2010. Eating, serving, and self-realisation: food and modern identities in contemporary Indian women's writing. *Social & Cultural Geography*, 11(5): 475-489.
- Grenfell, S.E., Ellery, W.N., Grenfell, M.C., Ramsay, L.F. and Flugel, T.J. 2010. Sedimentary facies and geomorphic evolution of a blocked-valley lake: Lake Futululu, northern Kwazulu-Natal, South Africa. *Sedimentology*, 57: 1159-1174.
- Lumsden, D.B., Schulze, R.E. and Hewitson, B.C. 2009. Evaluation of potential changes in hydrologically relevant statistics of rainfall in Southern Africa under conditions of climate change. *Water SA*, 35: 649-656.
- Mackellar, N., Tadross, M.A. and Hewitson, B.C. 2010. Synoptic-based evaluation of climatic response to vegetation change over southern Africa. *International Journal of Climatology*, 30: 774-789.
- Matthews, M., Bernard, S. and Winter, K.J. 2010. Remote sensing of cyanobacteria-dominant algal blooms and water quality parameters in Zeekoevlei, a small hypertrophic lake, using MERIS. *Remote Sensing of Environment*, 114: 2070-2087.
- McFarlane, M.J., Eckardt, F., Coetzee, S. and Ringrose, S. 2010. An African surface weathering profile in the Kalahari of North West Ngamiland, Botswana: processes and products. *Zeitschrift für Geomorphologie*, 54(3): 273-303.
- Meadows, M.E., Chase, B.M. and Seliane, M. 2010. Holocene palaeoenvironments of the Cederberg and Swartruggens mountains, Western Cape, South Africa: Pollen and stable isotope evidence from hyrax dung middens. *Journal of Arid Environments*, 74: 786-793.
- Miller, F., Osbahr, H. and Ziervogel, G. 2010. Resilience and vulnerability: complementary or conflicting concepts?. *Ecology and Society*, 15(3): 1-11 <http://www.ecologyandsociety.org/vol15/iss3/art11>.

- Mukheibir, P. 2010. Water access, water scarcity, and climate change. *Environmental Management*, 45: 1027-1039.
- Nathan, L. 2010. Intelligence bound: the South African constitution and intelligence services. *International Affairs*, 86(1): 195-210.
- Nathan, L. 2010. The African Union and regional organisations in Africa: communities of insecurity. *African Security Review*, 19(2): 106-113.
- O'Farrell, P.J. and Anderson, P.M.L. 2010. Sustainable multifunctional landscapes: a review to implementation. *Current Opinion in Environmental Sustainability* 2(1-2): 59-65.
- Oldfield, S.E. and Zweig, P. 2010. The contested politics of housing allocation in Ikapa, Cape Town, 1981-1994. *Journal of Southern African Studies*, 36(1): 133-150.
- Parnell, S. and Pieterse, E.A. 2010. The 'right to the city': Institutional imperatives of a developmental state. *International Journal of Urban and Regional Research*, 34(1): 146-162.
- Patt, G., Tadross, M.A., Nussbaumer, P., Asante, K., Metzger, M., Rafael, R., Goujon, A. and Brundrit, G.B. 2010. Estimating least-developed countries' vulnerability to climate-related extreme events over the next 50 years. *Proceedings of the National Academy of Sciences of the United States of America*, 107(4): 1333-1337.
- Ramutsindela, M.F., Yamazaki, T., Gibson, C. and Mamadouh, V. 2010. Interventions on the meanings of the Obama presidency for US relations with global regions. *Political Geography*, 29: 5-16.
- Rao, B., Hatzinger, P.B., Bohlke, J.K., Sturchio, N.C., Andraski, B.J., Eckardt, F. and Jackson, W.A. 2010. Natural chlorate in the environment: Application of a new IC-ESI/MS/MS method with a Cl18O3-internal standard. *Environmental Science & Technology*, 44: 8429-8434.
- Sowman, M. and Cardoso, M.P. 2010. Small-scale fisheries and food security strategies in countries in the Benguela Current Large Marine Ecosystem (BCLME) region: Angola, Namibia and South Africa. *Marine Policy*, 34: 1163-1170.
- Steynor, A.C., Hewitson, B.C. and Tadross, M.A. 2009. Projected future runoff of the Breede River under climate change. *Water SA*, 35(4): 433-440.
- Tumbo, S.D., Mpeti, E., Tadross, M.A., Kahimba, F.C., Mbillinyi, B.P. and Mahoo, H.F. 2010. Application of self-organizing maps technique in downscaling GCMs climate change projections for Same, Tanzania. *Physics and Chemistry of the Earth*, 35: 608-617.
- Tummon, F., Solmon, F., Liousse, C. and Tadross, M.A. 2010. Simulation of the direct and semidirect aerosol effects on the southern Africa regional climate during the biomass burning season. *Journal of Geophysical Research-Atmospheres*, 115: D19206DOI:10.1029/2009JD013738.
- Wilby, R.L., Hewitson, B.C. and Troni, J. 2009. A review of climate risk information for adaptation and development planning. *International Journal of Climatology*, 29: 1193-1215.
- Ziervogel, G., Johnston, P.A., Matthew, M. and Mukheibir, P. 2010. Using climate information for supporting climate change adaptation in water resource management in South Africa. *Climatic Change*, 103: 537-554.

Ziervogel, G., Shale, M. and DU, M. 2010. Climate change adaptation in a developing country context: The case of urban water supply in Cape Town. *Climate and Development*, 2: 94-110

Completed theses and dissertations for the 2010 academic year

Doctoral thesis

Carter, S. 2010. Approaches to quantifying and reducing uncertainty in GCM's over Southern Africa. : 199.

Gbobaniyi, E. 2010. Transferability of regional climate models over different climatic domains. : 135.

Smith, B. 2010. The late quaternary history of southern hemisphere mediterranean climate regions in the western Cape, South Africa and Southwestern Australia.

Tawodzera, G. 2010. Vulnerability and resilience in crisis: Household food insecurity in Harare, Zimbabwe. : 249.

Masters by Research

Bahry, M. 2010. Resettlement, household vulnerability, livelihood adaptation and opportunities in Ethiopia. MSc. : 1-193.

Beckman, T. 2010. Temporal variations and variability of instability, rainfall and thunderstorms over the southwestern Cape coast and oceanic region of South Africa. MSc. : 1-140.

Jaumain, S. 2010. Study of changing coastal access patterns: A study of the Richards Bay coast. MPhil in Environmental Management. : 1-192.

Matshaka, N. 2010. Negotiating the periphery of urban space - Zimbabwean migrant women in Cape Town. MSocSc. : 1-164.

Schermbrucker, N. 2010. A tenuous middle ground: Conflicting rationalities and the lived negotiation of low income housing in Cape Town. MSocSci. : 1-174.

Vickery, K. 2010. Southern African dust sources as identified by multiple space borne sensors. Master of Science. : 1-174.

UNIVERSITY OF FORT HARE**Department of Geography and Environmental Science****Head/Chair of Department**

Name	Area of specialisation	E-mail	Office Telephone Number
Professor Seethal, C.E.P.	Urban and Political Geography; Geography of Development	cseethal@ufh.ac.za	(040) 6022080

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof. Nel, W.	Associate Professor	Geomorphology/ Climatology	wnel@ufh.ac.za	(040) 6022146
Prof. Wotshela, L.	Associate Professor	Environmental Studies; Rural Studies	lwotshela@ufh.ac.za	(040)6022080
Dr. Odindi, J.	Lecturer	Remote Sensing; GIS; Environmental Science	jodindi@ufh.ac.za	(040) 6022147
Mr. Magagula, H.B.	Lecturer	Biogeography; Geomorphology; Environmental Studies	hmagagula@ufh.ac.za	(040) 6022157
Ms. Mzitshi, Z.A.F.	Lecturer	Feminist Geographies; Rural Development	zmzitshi@ufh.ac.za	(040) 6022149
Ms. Okecha, K.	Senior Laboratory Assistant	Urban and Political Geography	kokecha@ufh.ac.za	(040) 6022149

Department News

Prof. Cecil Seethal was on sabbatical from April 2010 to January 2011. Dr. Luvuyo Wotshela and Dr. Werner Nel were promoted to Associate Professors. Dr. Wotshela was seconded to the Professor Wiseman Nkhulu biography project and Dr. John Odindi was appointed as a replacement lecturer for 2010. Dr. Odindi's contract has been extended for a further five years.

Prof. Jan Boelhouwers from the Department of Geography at the University of Uppsala and Prof. Paul Sumner from the University of Pretoria visited the Department during April 2010 to further research collaborations between the respective Departments. Dr. Wendy Harte who joined the Department in January 2010 resigned her post in December to return to Australia. Ms. Mzitshi graduated with the M Sc degree in May 2010. Dr. Werner Nel was re-elected as President of the South African Association of Geomorphologists, while Prof Seethal serves as President of Society of South African Geographers (2009-2011). Prof. Seethal made several presentations to various government departments in the Eastern Cape related to his research on human trafficking. Dr. Werner Nel did field research in Antarctica from December 2010 to February 2011 as part of the NRF project: Geomorphology and Climate Change. He was also appointed Chief Scientist for the duration of the voyage.



Dr Werner Nel (UFH) and Ms Christel Hansen (Rhodes) doing field work on the Northern Buttress of Vesleskarvet, Antarctica (December 2010).

Students' News

Two Ph D students, three M Sc (Geography) students and one M Phil (Environmental Studies) student graduated in 2010. Mr. A. Thabethe was awarded the Society of South African Geographers' Honours Bursary for 2010. Mr. J. Bwalya and Mr. C. Ngwira received the University of Fort Hare's supervisor-linked scholarships for study towards their Ph D and M Sc degrees, respectively. Mr. T. Mongwa presented his preliminary work of his M Sc research to staff and students at the University of Mauritius entitled: Rainfall intensity, kinetic energy and erosivity of individual storm events in Mauritius. Mr. C. Ngwira addressed participants at several workshops in the Eastern Cape municipalities on his research on human trafficking.



Mr Themba Mongwa (MSc. Student) and Dr. Werner Nel at the University of Mauritius (June 2010).

2010 dated publications

Mazinyo, S & Nel, W., 2010: Community Participation in Solid Waste Management. Lambert Academic Publishing, Saarbrücken, Germany. ISBN 978-3-8383-7313-3.

Mubiwa, B. & Nel, W., 2010: Environment as the Victim of Circumstances: Land Redistribution, Ecological Sustainability and Impact Mitigation at Makarara, Zimbabwe. Lambert Academic Publishing, Saarbrücken, Germany. ISBN 978-3-8383-6542-8.

Nel, W., Reynhardt D.A. & Sumner, P.D., 2010: Effect of altitude on erosive characteristics of concurrent rainfall events in the northern KwaZulu-Natal Drakensberg. *Water SA*. 36(4), 509-512.

Odindi, J. O. & Ayirebi, G. K., 2010: Communities and conservation sustainability: In search for a win-win situation in the Great Fish River Reserve. *Journal of Sustainable Development in Africa*, 12 (1):13-26.

Odindi, J. O. & Kakembo, V., 2010: The hydrological response of *Pteronia incana* invaded areas in the Eastern Cape Province, South Africa. *Ecohydrology Journal*. Doi.10.1002/eco.180.

Conference Presentation in 2010

Nel, W., 2010: Atmospheric circulation. Paper presented at the Habitable Planet Workshop, July 2010, Grahamstown.

Nel, W., 2010: Geomorphology Futures: A review of Post Graduate Research. Paper presented at the Biennial Conference of the South African Association of Geomorphologist, September 2010, Grahamstown.

Nel, W., 2010: Synoptic circulation patterns associated with PCA analyses (1960-2009) Paper presented at the Geobiology Workshop, October 2010, University of Pretoria, Pretoria.

Ngwira, C., 2010: Human Trafficking in the Eastern Cape Province, South Africa. Paper presented at the Geography Students' Conference, Rhodes University, 29th August, 2010.

Wotshela, L., 2010: Researching on the Shifting Control of Resources and Patronage Politics in the late Twentieth to early Twenty-First Century Northern Ciskei, Paper Presented in the Anthropology Southern Africa Society Conference, East London, 20-23 September 2010

Wotshela, L., 2010: The Whirlwind Flare-Up of South African Small Towns on the Fringes of Former Homelands: a post-apartheid Eastern Cape Case, Paper Presented in the ASAUK Biennial Conference, held at Oxford University, St Antonys College, from 16 to 19th September 2010 .

Completed theses and dissertations for the 2010 Academic Year

Ph D Theses

Boose, R., 2010. Local Economic Development: A Case Study of the Blue Crane Route Municipality, Eastern Cape, South Africa. Unpublished Ph D thesis. University of Fort Hare. (Supervisor: Prof. C. Seethal)

Tichagwa, C.G., 2010. A Multi-dimensional Assessment of Land Degradation in the Sterkspruit River Catchment: The Nexus between Landscape Sensitivity, Land Use Dynamics and Landscape Resilience. Unpublished Ph D thesis. University of Fort Hare. (Supervisor: Dr. L. Wotshela).

Masters' Dissertations

Jenjezwa, V.R., 2010. Stock Farmers and the State: A Case Study of Animal Healthcare Practices in Hertzog, Eastern Cape Province, South Africa. Unpublished M Sc dissertation. University of Fort Hare. (Supervisor: Prof C. Seethal; Co-supervisor: Prof. W. Beinart).

Ladokun, A.O., 2010. Geographies of Juvenile Crime: A Study of Crime in Selected High Schools in East London, South Africa. Unpublished M Sc dissertation. University of Fort Hare. (Supervisor: Prof C. Seethal).

Mazinyo, S.P., 2010. Community Participation in Solid Waste Management in High-density Low-income Areas: The Case of C-Section in Duncan Village. Unpublished M Phil dissertation. University of Fort Hare. (Supervisor: Dr. W. Nel).

Murata,C., 2010. Stone terracing for crop cultivation at Gogela village of Mount Ayliff, Transkei, Eastern Cape. Unpublished M Phil dissertation. University of Fort Hare. (Supervisor: Dr. L. Wotshela)

Mzitshi, Z.A.F., 2010. Citrus, Labour and Gender in the Eastern Cape: The Case of the Kat River Area. Unpublished M Sc dissertation. University of Fort Hare. (Supervisor: Prof. C. Seethal).

Student Numbers

Level	Number
First year	94
Second year	48
Third year	20
Honours	3
Masters	17
Doctoral	4

Additional Information

The Department of Geography and Environmental Science still continues to offer its postgraduate degree programmes (B. Sc Honours; M Phil [Environmental Studies]; M Sc [Geography] and Ph D) at the University's East London campus. Lectures for the Honours degree and the coursework Masters (M Phil degree) are held on a block-week basis, and run for five weeks during the course of the Year, usually coinciding with the school vacation periods.

The Department went through the University's Audit Process in 2010. The Audit provided the opportunity for all stakeholders to reflect more critically on the work in the Department. The Audit Report is to be released in 2011.

With funding obtained from the Department of Higher Education in 2010, the Department of Geography and Environmental Science has set up a computer laboratory for undergraduate students. This is additional to the Department's computer laboratory for postgraduate/research students.

UNIVERSITY OF JOHANNESBURG

Department of Geography, Environmental Management and Energy Studies

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Prof Tertius Harmse	Soil erosion, Environmental Geomorphology, Physical Environment Rehabilitation, Research methods, Pedology	tharmse@uj.ac.za	0115592428

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof, Kotze	Associate professor	Tourism, Urban geography	nicok@uj.ac.za	0115593810
Prof Annegarn, HJ	Professor		hannegarn@uj.ac.za	0115593927
Prof Ledger, JA	Associate professor	Solar energy, Environmental Management	jledger@uj.ac.za john.ledger@wol.co.za	0115594275
Dr Scheepers, LCG	Senior lecturer	Urban (location analysis), GIS, Remote sensing	lscheepers@uj.ac.za	0115592434
Dr Meeuwis, JM	Senior lecturer	Environmental Impact Assessments, Management plans, awareness training	junem@uj.ac.za	0115592429
Mrs Schoeman, DC	Lecturer	GIS, Environmental management, Ecotourism, Environmental Education	theas@uj.ac.za	0115593226
Dr Kelso, CJ	Lecturer	Environmental history,	ckelso@uj.ac.za	0115592432

		Environmental ethics and justice, Historical climatology, Rural livelihoods and vulnerability		
Mrs McKay, TJM	Lecturer	Environmental education, Energy and water demand side management, throughput race and class dynamics in higher education, Race and class in urban areas	traceymc@uj.ac.za	0115593302
Mrs Block, EK	Lecturer	Population Issues, Geography Education, Geography and language; Map interpretation and analysis, Urban Geography	eblock@uj.ac.za	0115592173
Mrs Enslin, EE	Technical Assistant		eenslin@uj.ac.za	0115593736
Ms Wilbers, MM	Secretary		mwilbers@uj.ac.za	0115593928
Ms Terry, M	Research assistant		0115593928	bev@naca.org.za
Ms Kumalo, MN	Assistant to Prof Annegarn		0115593928	mnkhumalo@uj.ac.za
Mrs Wendy Job	Cartographer			0115594423

Department News

1. We say farewell to June Meeuwis at the end of April 2011 and wish her well in her retirement
2. We welcome Chris Rogerson as a teaching associate into the department
3. We welcome Wendy Job as a Cartographic Fellow into the department
4. Welcoming Isaac Rampedi into the department on the 1st of April 2011
5. Congratulations to Claire Kelso who completed her PhD at the University of Witwatersrand.

2010 dated publications

Gunter, A and Scheepers, L: Informal housing and community led local economic development. *Rural Studies*, 20, 153 – 164.

Moolla, R., Kotze, N. & Block, E. K. (2011) Housing satisfaction and quality of life in RDP houses in Braamfischerville, Soweto: A South African case study. (paper accepted by *Urbani Izziv* for publication in 2011)

Smith, M. & Kotze, N. (2011) Maize as a bio-ethanol crop in South Africa: a methodology. *Journal of Environmental Science and Engineering*, 5 (6).

Smith, M., Kotze, N. & Cooper, C. (2010) The production of biofuels in South Africa: policy and availability of energy crops. *Journal of Environmental Science and Engineering*, 2 (4).

Thovhakale, B., McKay., T.J.M and Meeuwis, J., 2011: Retrofitting to lower energy consumption: Comparing two buildings, proceedings International Domestic Energy Use Conference, CPUT, Cape Town.

Conference Presentation in 2010

Kotze, N. (2010) A sense of belonging and social interaction of the elderly people in Parys a rural town in South Africa. IGU Regional Conference (Tel Aviv: 5 – 8 July).

Kelso, C, 2010: *From Sustainability to Vulnerability: Namaqualand 19th Century*, Annual Association of American Geographers Conference, 14-18 April 2010, Washington, United States of America.

Gunter, A and Scheepers, LCG, 2010: *Selling slums, reviewing De Soto's tenure debate*, Urban landmark conference, 1-2 November, 2010, Johannesburg, South Africa.

Gunter, A and Scheepers, LCG, 2010: *Community led Local Economic Development, Post Graduate Colloquium on Social Science*, 2-4 August, 2010, Cambridge University, Cambridge, England.

Student Numbers

Level	Number
First year	343
Second year	109 (GGR) 67 (ENM)
Third year	68 (GGR) 43 (ENM)
Honours	24 (GGR); 15 (Energy Studies)
Masters	30 (Tutored); 13 (Research)
Doctoral	20

The Geo-Informatics course trained 11 persons, 6 in GIS and 5 in Remote Sensing

UNIVERSITY OF KWA-ZULU NATAL**School of Environmental Sciences**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Prof Ahmed, F	GIS and Remote Sensing	ahmed@ukzn.ac.za	0312607653

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof Ahmed, F	Head of School Associate Professor	GIS and Remote Sensing	ahmed@ukzn.ac.za	0312607653
Prof Maharaj, B	Deputy Head of School (Howard College Campus) Professor	Geography	maharajb@ukzn.ac.za	0312601027
Prof Hill, T	Deputy Head of School (Pietermaritzburg Campus) Associate Professor	Geography	hillt@ukzn.ac.za	0332605235
Prof Beckedahl, H	Associate Professor	Geomorphology	hbeck@ukzn.ac.za	0332605345
Prof Bob, U	Associate Professor	Geography	bobu@ukzn.ac.za	0312607656
Prof Hughes, J	Professor	Soil Science	hughesj@ukzn.ac.za	0332605422
Prof Mutanga, O	Associate Professor	GIS and Remote Sensing	mutangao@ukzn.ac.za	0332605779

Prof Savage, M	Senior Professor	Agrometeorology	savage@ukzn.ac.za	0332605514
Prof Proches, M	Associate Professor	Geography	prochess@ukzn.ac.za	0312601278
Dr Ahmed, F	Lecturer	Geography	ahmedf1@ukzn.ac.za	0312603523
Dr Dent, M	Senior Lecturer	Water Management	dent@ukzn.ac.za	0332605730
Dr Finch, J	Lecturer	Biogeography and Palaeoecology	finchj@ukzn.ac.za	0312608233
Dr Pillay, S	Lecturer	Geography	pillays2@ukzn.ac.za	0312607654
Dr Ramsay, L	Lecturer	Geography	ramsayl@ukzn.ac.za	0312608140
Dr Watson, H	Senior Lecturer	Geography	watsonh@ukzn.ac.za	0312601390
Dr Chimhamhiwa, D	Lecturer	Land Information Systems	chimhamhiwa@ukzn.ac.za	0332605719
Dr Narsiah, S	Lecturer	Human Geography	narsiahi@ukzn.ac.za	0332605343
Mr Bester, C	Lecturer	Soil Science	bester@ukzn.ac.za	0332605764
Mr Foggin, T	Lecturer	Geography	foggint@ukzn.ac.za	0332605273
Mr Lutchmiah, J	Lecturer	Geography	lutchmiah@ukzn.ac.za	0312602455
Mr Titshall, L	Lecturer	Soil Science	titshall@ukzn.ac.za	0332605417
Mr Sookrajh, R	Lecturer	Geography	sookrajhro@ukzn.ac.za	0312607479
Mr Khanyile, M	Lecturer	Geography	khanyilem@ukzn.ac.za	0312607935
Mrs Trotter-Richardson, D	Lecturer	Environmental Management	trotterd2@ukzn.ac.za	0332605089
Mr Gijsbertsen, B	Chief Technician		gijsbertsen@ukzn.ac.za	0332605346
Ms Reid, C	Principal		reidc1@ukzn.ac.za	0312608168

	Technician			
Mr Abboy, I	Senior Technician		abboy@ukzn.ac.za	0312602420
Mr Kortenbout, N	Senior GIS Technician		kortenbout@ukzn.ac.za	0312602419
Mrs Howison, R	Technician		howisonr@ukzn.ac.za	0332605346
Mr De Vos, D	Technician		devosd@ukzn.ac.za	0332606255
Ms Nala, T	Technical Assistant		nalat@ukzn.ac.za	0332605415
Mr Buthelezi, J	Technical Assistant		buthlezij@ukzn.ac.za	0332605914
Mr Powys, E	Technician		powyse@ukzn.ac.za	0312607655
Mr Shezi, I	GIS Technician		shezizi@ukzn.ac.za	0312607650
Mr Singh, R	Senior Technician		singhra1@ukzn.ac.za	0332605415
Mrs Govender, S	Administrative Officer		govendersam@ukzn.ac.za	0312607322
Mrs Jordaan, K	Administrative Officer		jordaank@ukzn.ac.za	0332606223
Mrs Sherriff, S	Administrative Officer		sheriffs@ukzn.ac.za	0312602416
Mrs McCosh, P	Administrative Officer		mccoshp@ukzn.ac.za	0332605775
Mrs Ramroop, S	Administrative Officer		ramroopsh@ukzn.ac.za	0332605341
Mrs Manickum, J	Administrative Officer		manickum@ukzn.ac.za	0332605510

2010 dated publications

Abdel-Rahman, E. M., Ahmed F. B., van den Berg, M. and Way, M. J., (2010). Potential of spectroscopic data sets for sugarcane thrips (*Fulmekiola serrata* Kobus) damage detection. *International Journal of Remote Sensing*, 31, 4199–4216.

Abraha, M.G. and M.J. Savage*, 2010. Validation of a three-dimensional solar radiation interception model for tree crops. *Agriculture, Ecosystems and Environment* 139, 636–652.

Adam, E, Mutanga, O and Rugege, D, 2010. The application of remote sensing in the identification and mapping of wetland vegetation: a review, *Wetlands Ecology and Management*, 18, 281-296, DOI 10.1007/s11273-009-9169-z.

Allison Goebel, Belinda Dodson, Trevor Hill, 2010: Urban advantage or Urban penalty? A case study of female-headed households in a South African city. *Health and Place*, 16, 573 - 580.

A. Goebel , T. Hill, R. Fincham, M. Lawhon, 2010: Transdisciplinarity in urban South Africa. *Futures*, 42, 475-482.

Bob, U. 2010. "Sustainability and Events Design," in Tassiopoulos, D. (ed) *Events Management: A Developmental and Managerial Approach* (3rd Edition) Juta and Co. Ltd: Claremont. (207-224).

Bob, U. and Bronkhorst, S. 2010. "Environmental Conflicts: Key Issues and Management Implications," *African Journal on Conflict Resolution* 10 (2): 9-30.

Bob, U. 2010. "Land-related Conflicts in Sub-Saharan Africa," *African Journal on Conflict Resolution* 10 (2): 49-64.

Bob, U. and Swart, K. 2010. "The 2010 FIFA World Cup and Women's Experiences in Fan Parks," *Agenda* 85: 85-97.

Bob, U.; Swart, K. and Smit, A.T. 2010. "Editorial," *Alternation* 17 (2): 1-17.

Bob, U. and Swart, K. 2010. "Sport Events and Social Legacies," *Alternation* 17 (2): 72-95.

Chimhamhiwa, D, Mutanga, O, van der Molen, P, 2010, Measuring quality performance of cadastral survey and deeds registration work processes, *Land Use Policy*, In Press.

Dent, M.C. (2010) The Role of Information Systems Management in the Management of Water. In B. Schreiner and R. Hassan (eds.), *Transforming Water Management in South Africa: Designing and Implementing a New Policy Framework*, DOI 10.1007/978-90-481-9367-7_11, © Springer Science+Business Media B.V. 2010.

Dent, M.C. (2010) Catchment Management Agencies as crucibles to forge responsible leaders in Southern Africa. 1st International Conference in Responsible Leadership in partnership with the GTZ. University of Pretoria, Pretoria pp 29.

Desai, A., Maharaj, B. and Bond, P. 2010. Poverty eradication as a holy grail. In Maharaj, B., Desai, A., Bond, P. 2010. Zuma's Own Goal – Losing South Africa's 'War on Poverty'. Trenton, NJ: African World Press, pp.1-38.

Desai, A. and Maharaj, B. 2010. Debating the first and second economy. In Maharaj, B., Desai, A., Bond, P. 2010. Zuma's Own Goal – Losing South Africa's 'War on Poverty'. Trenton, NJ: African World Press, pp. 37-58.

Desai, A., Bond, P. and Maharaj, B. 2010. Lessons from the World Cup. In Maharaj, B., Desai, A., Bond, P. 2010. Zuma's Own Goal – Losing South Africa's 'War on Poverty'. Trenton, NJ: African World Press, pp. 417-432.

Elfatih M. Abdel-Rahman, Fethi B. Ahmed, Maurits van den Berg (2010). Estimation of sugarcane leaf nitrogen concentration using in situ spectroscopy. International Journal of

Applied Earth Observation and Geoinformation. Remote Sensing for Africa: Special Issue 12S: S52–S57.

Gebreslasie, M.T.; Ahmed, F., van Aardt, J.A., (2010) Predicting forest structural attributes using ancillary data and ASTER satellite data, International Journal of Applied Earth Observation and Geoinformation, 12S, 2010, pp. S23-S26.

Gumede, N.P.; Bob, U. and Okech. R.N. 2009. "Women and Technology in South Africa: A Case of Four Communities in KwaZulu-Natal," Gender, Technology and Development 13 (1): 69-103.

Ismail, R and Mutanga, O, 2010. A comparison of regression tree ensembles: Predicting *sirex noctilio* induced water stress in *Pinus patula* forest of KwaZulu-Natal, Journal of Applied Earth Observation and Geoinformation, 12S, S45–S51.

Ismail, R, Mutanga, O and Kumar, L (2010) Modeling the potential distribution of pine forests that are susceptible to *Sirex noctilio* infestations in Mpumalanga, South Africa , Transactions in GIS, 14 (5): 709-726.

Kumar, L, Skidmore, A.K and Mutanga, O, 2010, Leaf level experiments to discriminate between eucalyptus species using high spectral resolution reflectance data: use of derivatives, ratios and vegetation indices, Geocarto International, iFirst article, 1-18.

Maharaj, B. 2010. Immigration to South Africa: Critical Reflections. In U.A. Segal, N.S. Mayadas; D. Elliott (eds.), Immigration Worldwide: Policies, practices and trends. Oxford: Oxford University Press, pp. 363-377.

Maharaj, B., Desai, A., Bond, P. (eds.) 2010. Zuma's Own Goal – Losing South Africa's 'War on Poverty'. Trenton, NJ: African World Press.

Maharaj, B. and Naidoo, K. 2010. Spatial planning in KwaZulu-Natal. In Planning and Development in KwaZulu-Natal – The Legacy of the Provincial Planning Commission. Pietermaritzburg: KZNPDC, pp. 39-108.

Maharaj, B. 2010. The African Brain Drain: Causes, Costs, Consequences. Africa Insight, 40:96-108.

McKenna, F. and Bob, U. 2010. "Business Perceptions of the 2010 FIFA World Cup and Related Infrastructure Development: A Case Study of the Moses Mabhida Stadium and the Durban Beachfront Developments," Alternation 17 (2): 200-224.

Mengistu, M.G. and M.J. Savage*, 2010. Open water evaporation for a small shallow dam in inter using surface renewal and eddy covariance methods. J. Hydrol. 380, 27–35.

Mengistu, M.G. and M.J. Savage*, 2010. Surface renewal method for estimating sensible heat. Water SA 36, 9–17.

Mitchell, C.G. and Hill, T.R., 2010: An exploratory analysis of stakeholders' expectations and perceptions of corporate social and environmental reporting in South Africa. South African Journal of Accounting Research, 24 (1), 49-78.

Muanamoha, R., Maharaj, B. and Preston-Whyte, E. 2010 Social networks and undocumented Mozambican migration to South Africa. Geoforum, 41:887-896.

Mutanga, O and Ismail, R. 2010, Variation in foliar water content and hyperspectral reflectance of *Sirex noctilio* infested *Pinus patula* trees, Southern Forests, 2010, 72(1): 1–7

- Neysmith, J and Dent, M.C. (2010) Non-statutory barriers and incentives to stakeholder participation in reducing water pollution: a South African Case Study . Water SA , 36: 577-587.
- Naidoo, S., Ahmed, F., Pammenter N., Zbonák, A. (2010) A technique to identify annual growth rings in *E. grandis* using annual measurements of diameter at breast height and gamma-ray densitometry. Southern Forests, 72 (3 and 4), 191-200.
- Narsiah, S. 2010. The Neoliberalisation of the Local State in Durban, South Africa. Antipode, 42: 374-403.
- Oumar, Z and Mutanga, O, (2010) Predicting plant water content in Eucalyptus Grandis forest stands in KwaZulu-Natal, South Africa using field spectra resampled to the Sumbandila Satellite Sensor, International Journal of Applied Earth Observation and Geoinformation, 12 158–164.
- Palmer, B., McGregor, G.K., Hill, T.R. and Paterson, A.W., 2010: A spatial assessment of coastal development and land use change in the Eastern Cape, South Africa. South African Geographical Journal, 92 (2), 117- 128.
- Perry, E.C.; Potgieter, C. and Bob, U. 2010. “Environmental Conflicts and Women’s Vulnerability in Africa,” African Journal on Conflict Resolution 10 (2): 120-136.
- Savage, M.J., G.O. Odhiambo, M.G. Mengistu, C.S. Everson and C. Jarmain, 2010. Measurement of evaporation using a surface-layer scintillometer. Water SA 36, 1–8.
- Savage, M.J., 2010. Field evaluation of polymer capacitive humidity sensors for Bowen ratio energy balance flux measurements. Sensors 10, 7748–7771.
- Savage M.J. 2010. “Method and System for Estimating Evaporation Representative of an Area at a Particular Location, a Datalogger Device, and a Data-Logging Kit for Estimating Evaporation”. International patent filed by UKZN on 2 Sept 2010 (PCT/IB2010/053946).
- Swart, K.; Bob. U. and Turco, D. 2010. “Media, Crime and the 2010 Soccer World Cup in South Africa: Pre-event Analysis and Perceptions,” Alternation 17 (2): 225-248.
- Tennent, J., Downs, C.T., Wald, D.M. & Watson, H.K., 2010: Public perceptions of feral cats within an urban conservancy on a campus of the University of KwaZulu-Natal. South African Journal of Wildlife Research 40, 1, 16-26.
- Tesfamichael, S.G.; van Aardt, J.A.; Ahmed, F. (2010) Estimating plot-level tree height and volume of Eucalyptus grandis plantations using small-footprint, discrete return lidar data, Progress in Physical Geography, 34: 515-540.
- Tesfamichael S.G, F. B. Ahmed and J. A. N. van Aardt (2010). Investigating the impact of discrete-return lidar point density on estimations of mean and dominant plot-level tree height in *Eucalyptus grandis* plantations. International Journal of Remote Sensing, 31:2925–2940.
- Tholang A. Mokhele and Fethi B. Ahmed (2010) Estimation of leaf nitrogen and silicon using hyperspectral remote sensing, Journal of Applied Remote Sensing, 4(043560):1-18.
- Watson, H.K., (2010): Potential to Expand Sustainable Bioenergy from Sugarcane in Southern Africa, accepted for Energy Policy Journal special issue on “Sustainability of Biofuels”. [doi:10.1016/j.enpol.2010.07.035](https://doi.org/10.1016/j.enpol.2010.07.035)
- Watson, H.K., 2010: Zambia Case Study, in Diaz-Chavez, R., Mutimba, S., Watson, H. K., Rodriguez-Sanchez, S. and Nguer, M., 2010: Mapping Food and Bioenergy in Africa- Executive Summary of report prepared for Forum for Agricultural Research in Africa (FARA), Ghana, pp.39-42.

Watson, H.K., 2010: Zambia Case Study, in Diaz-Chavez, R., Mutimba, S., Watson, H. K., Rodriguez-Sanchez, S. and Nguer, M., 2010: Mapping Food and Bioenergy in Africa. Report prepared for Forum for Agricultural Research in Africa (FARA), Ghana, pp.87-99.

Watson, H.K., 2010: Current land use patterns and impacts, in Janssen, R. and Rutz, D., (eds.) 2010: Competence Platform on Energy Crop and Agroforestry Systems for Arid and Semi-arid Ecosystems – Africa, Project Brochure, www.compete-bioafrica.net, pp. 8-11.

Watson, H.K., 2010: Assessment of Sekab and Kilimbero sugarcane estates in Tanzania, in Diaz-Chavez, R., 2010: Good Practice Guidelines to Project Implementers. COMPETE. <http://competebioafrica.net/sustainability/Annex3-3-3-COMPETE-032448-3rdReport2009-D3.4-Good%20practices%20report-Final.pdf>

Conference Presentations in 2010

Maharaj. 2010. “Post-apartheid urban contestations: the struggle for the Warwick Market in Durban”, paper presented at the Association of American Geographers Annual Conference, Washington D.C., 14-18 April 2010.

Maharaj, B. 2010. 2010 in South Africa – Elites score while the poor are red carded? Presentation to the Development Democracy Forum, 2 July 2010, Durban.

C.S. Price, F. Blakeway, F. Ahmed & J-R. Tapamo (2010) Reducing pulp mill wood variation by including wood properties in harvest scheduling decision-making. *Proceedings: Precision Forestry Symposium March 2010, Stellenbosch, South Africa*, 62-63. ISBN: 978-0-7972-1324-1

Hill T attended the START Climate Change in Africa workshops, Tanzania (June 2010) and Senegal (December, 2010) Palaeochronology Workshop, Mexico, August, 2010

Abraha, M.G. and M.J. Savage, 2010. Evaporation estimation over sparse vegetation using single- and double-layer models. Paper presentation to the Combined Congress 2010, South African Society for Horticultural Sciences, Weed Science Society, Crop Production Society and Soil Science Society of South Africa, 18 to 21 Jan, 2010, Bloemfontein, South Africa.

Nile, E.S. and M.J. Savage, 2010. Evaporation estimation using a temperature variance method above sugarcane. Poster presentation to the Combined Congress 2010, South African Society for Horticultural Sciences, Weed Science Society, Crop Production Society and Soil Science Society of South Africa, 18 to 21 Jan, 2010, Bloemfontein, South Africa.

Olivier, F.C., M.J. Savage and A. Singels, 2010. The effect of a residue layer on the energy balance of sugarcane: a review of micrometeorological methods. Paper presentation to the Combined Congress 2010, South African Society for Horticultural Sciences, Weed Science Society, Crop Production Society and Soil Science Society of South Africa, 18 to 21 Jan, 2010, Bloemfontein, South Africa.

Savage, M.J., 2010. Sensible heat flux and evaporation using iteration. Paper presentation to the Combined Congress 2010, South African Society for Horticultural Sciences, Weed Science Society, Crop Production Society and Soil Science Society of South Africa, 18 to 21 Jan, 2010, Bloemfontein, South Africa.

Olivier, F.C., A. Singels and M.J. Savage, 2010. The effect of a trash blanket on the energy balance of a sugarcane crop: preliminary results. Paper presentation to the South African Sugarcane Technologists Association, Mount Edgecombe, South Africa.

Watson, H. 2010. Participated in an international workshop to harmonize methodology for agro-environmental zoning for biofuel production in Nairobi, Kenya. It was organized by the African Centre for Technology Studies (ACTS), Policy Innovation Systems for Clean Energy Security (PISCES) Project and United Nations Environmental Programme (UNEP), Sept 2010

Watson, H, 2010. Land mapping for the production of biofuel feedstocks in southern and eastern Africa. Paper presented at the *Biofuels Markets Africa* Conference hosted by Green Power in Maputo, Mozambique (May 2010).

Watson, H, In March 2010. Participated in the COMPETE mapping methodology I developed to Biofuels Taskforce delegates attending the “Workshop on Developing the SADC Biofuels Decision Support Tool” in Gaborone, Botswana.

Watson H. 2010. Biofuels in Africa – the Land Issue. Paper presented at the African Caribbean Pacific Group of States Science and Technology Programme Kick-off Workshop on “*Sustainable Non-Food Sources of Oil*” in Johannesburg.

Beckedahl, H. and Jungkunst, H.F. 2010. On the importance of small Mountain Wetland Systems for Water and Carbon Cycles in the Ukhahlamba Drakensberg Reserve, South Africa European Geophysical Union 2010.

Krueger, P., H.R. Beckedahl, G. Gerold, and H.F. Jungkunst 2010. Methane Emissions from Wetland soils in the Drakensberg, South Africa, paper presented at South African Wetlands Forum.

Awards

Dr H Watson was awarded the UKZN’s Distinguished Teachers Award.

Completed theses and dissertations for the 2010 academic year

Doctoral Degree:

Savage, M. Sensible heat Flux for Estimating Evaporation. Supervised by Prof T Hill

Abraha, M.G. Sensible heat flux and evaporation for sparse vegetation using temperature-variance and a dual source model. SPACRU, Agrometeorology, UKZN. Supervised by Prof M Savage.

Blanco, O.A. A dynamic mechanistic analysis of the thermal interaction between a broiler chicken and its surrounding environment. Poultry Science, UKZN. Co-supervised by Prof M Savage.

Nile, E.S.B. Sensible heat flux estimation under unstable conditions for sugarcane using temperature variance and surface renewal. SPACRU, Agrometeorology, UKZN. Supervised by Prof M Savage.

Chimhamhiwa, D. Improving end to end delivery of land administration business processes through performance measurement and comparison. Supervised by Dr D Rugege and Co-Supervised by Prof O Mutanga and Prof P van der Molen

Haule, M. Impact Population Growth and Development on Deforestation in Tanzania. Supervised by Prof B Maharaj

Tesfamichael, S.G. Assessment of structural attributes of even-aged *Eucalyptus grandis* forest plantations using small-footprint discrete return lidar data. Supervised by Prof F Ahmed and Co-supervised by Dr Jan van Aardt

Abdel-Rahman, E.M. The potential for using remote sensing to quantify stress in and predict yield of sugarcane (*Saccharum* spp. hybrid). Supervised by Prof F Ahmed and Co-supervised by Dr Maurits van den Berg.

Roberts J.W. Image fusion for enhanced forest structure assessment. Supervised by Prof F Ahmed and Co-supervised by Dr Jan van Aardt)

Ahmed, F. The use of spatial analysis in strategic environmental assessment (SEA) to identify and predict the ecological impacts of development on the KwaZulu-Natal North coast of South Africa. Supervised by Prof U Bob and Co-supervised by Prof F Ahmed.

Masters degree:

Jaganath. C. The Cumulative Effect of Wetland Degradation on Water Quality at a Landscape Scale. Supervised by Prof F Ahmed and Co-supervised by Dr D Kotze and Dr HL Malan, UCT.

Poona, N. Detection and Mapping of Selected Invasive Alien Plant Species in KwaZulu-Natal, South Africa, using Medium Resolution Satellite Imagery. Supervised by Prof F Ahmed.

Mokhele, T. An investigation into the detection of sugarcane african stalk borer (*Eldana saccharina* Walker (Lepidoptera: Pyralidae)) using Hyperspectral data (Spectroradiometry). Supervised by Prof F Ahmed.

Munien, S. Assessment of the potential of the xanthophylls bands for foliar chemistry characterization: the case of *Eucalyptus grandis*. Supervised by Prof F Ahmed.

Cryer, P. The implementation of an environmental monitoring and management system for the wilderness areas of the Hluhluwe-Imfolozi Park. Supervised by Mr M Draper and Co-Supervised by Mr WD Densham

Naidoo, An assessment of household municipal solid waste management in the Msunduzi municipality. Supervised by Prof H Beckedahl

Russell, C Investigating the utility of SPOT 5 imagery and artificial neural Networks in the identification and mapping of *Acacia mearnsii* within environments of varying complexity. Supervised by Prof O Mutanga

Sibandze, P. Spectral differentiation of *cannabis sativa* L from Maize using Hyperspectral indices. Supervised by Prof O Mutanga

Hill, A. A GIS Based habitat suitability analysis of the Oribi Antelope in KwaZulu Natal. Supervised by Prof O Mutanga

Bangamwabo, V. Spatial and temporal extents of land degradation in a communal landscape of KwaZulu-Natal, South Africa. Supervised by Prof O Mutanga

Alford, J. Metadata challenges faced by producers and users of spatial data in South Africa. Supervised by Dr D Rugege and Co-Supervised by Mr D Chimhamhiwa

Hunter, A. A review of the fluvial geomorphology monitoring of the receiving streams of the Mooi-Mgeni transfer scheme phase 1. Supervised by Dr D Kotze and Co-Supervised by Dr MC Dent and Mrs LD Archer.

Riaz, J. Assessing the implementation prospects of the Waste Act within the Msunduzi Municipality through the Theory U. Supervised by Miss DC Trotter and Co-Supervised by Dr MC Dent.

Louw, S. The effect of the spatial scale of tree harvesting on woody seedling establishment and tree dynamics at Ongoye Forest Reserve. Supervised by Dr MC Dent and Co-Supervised by Prof MJ Lawes and Prof S Boudreau.

Mbele, F. Are farmers changing from food production to biofuel production? A case study of the Northern Agricultural region of KwaZulu-Natal. Supervised by Dr D Rugege and Co-Supervised by Mr DC Chimhamhiwa.

McCosh, J. Towards and understanding of the social learning dynamic in the advancement of organic farming in South Africa. Supervised by Dr MC Dent.

Mnyengeza, M. Analyzing an orthophoto mapping system using system analysis, SWOT and client satisfaction survey: A case study of the Chief Directorate of Surveys and Mapping, Republic of South Africa. Supervised by Mr DC Chimhamhiwa.

Mthinkhulu. O. Understanding the present and historic forest resource use of the Ntabamhlophe Indigenous State Forest by rural communities. Supervised by Dr MC Dent

Mulonga, S. A critical assessment of the Namibian protected area management effectiveness tracking tool. Supervised by Dr MC Dent.

Persendt, F. Drought risk analysis using remote sensing and GIS in the Oshikoto region, Namibia. Supervised by Dr D Rugege.

Pillay, K. Land use change detection of small scale sugarcane: A case study of Umbumbulu, South Africa. Supervised by Mr DC Chimhamhiwa.

Shange, M. A system based approach to land registration analysis and improvements: A case study of the KwaZulu-Natal Deeds Registration system. Supervised by Mr DC Chimhamhiwa.

Frans, P. Drought risk analysis using remote sensing and GIS in Oshikoto Region, Namibia. Supervised by Prof O Mutanga

Student Numbers

Level	HC	PMB	W	TOTAL
First year	339	265	279	883
Second year	129	120	197	446
Third year	94	60	65	219
Honours	18	15	16	49
Masters	10	15	30	55
Doctoral	7	5	10	22

UNIVERSITY OF LIMPOPO, TURFLOOP CAMPUS**Department of Geography and Environmental Studies**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Dr. Tengbeh, G. T.	Applied Geomorphology (Soil erosion and conservation)	George.tengbeh@ul.ac.za	+27 15 268 3197

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Mr. Ramudzuli, M. R.	Lecturer	Resource perception and management, and sustainable development	Marubini.ramudzuli@ul.ac.za	+27 15 268 2330
Mrs. Letsoalo, J. M.	Lecturer	Solid waste management and tourism studies	Josephine.letsoalo@ul.ac.za	+27 15 268 2324
Mrs. Burger, S.	Senior Research Officer	Cartography, Aerial photo interpretation	Sandra.burger@ul.ac.za	+27 15 268 2325

Department News

The department regrets to announce that one of its longest serving Lecturers, Mr. Flip Schoeman, passed away in February 2010 after a long illness. RIP

2010 dated publications

Petja, B. M., Twumasi, Y. A., Tengbeh, G. T. and Atanasova, M. 2010: Spatial epidemiology risk assessment for rehabilitated former asbestos mining areas in Limpopo Province, South Africa, using remote sensing and conventional analytical methods. Southern Africa Journal of Epidemiology and Infection, 25. 3. 32-39.

Student Numbers:

Level	Number
First year	57
Second year	49
Third year	36
Honours	39
Masters	1
Doctoral	0

UNIVERSITY OF PRETORIA

Department of Geography, Geoinformatics and Meteorology

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Prof. Rautenbach, CJdeW	Meteorology	Hannes.rautenbach@up.ac.za	+27 12 420 3536

Academic staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof. Jan Boelhouwers	Extraordinary Professor	Geography		
Ingrid Booysen	Senior Cartographer	Cartography and GIS	Ingrid.booysen@up.ac.za	+27 12 420 2862
Joel Botai	Lecturer	Remote Sensing	Joel.botai@up.ac.za	+27 12 420 2170
Dr Serena Coetzee	Senior Lecturer	Geoinformatics	serena.coetzee@up.ac.za	+27 12 420 3823
Dr Dan Darkey	Lecturer	Geography	Dan.darkey@up.ac.za	+27 12 420 3710
Nehrene Davis	Lecturer	Geography / Environmental Science	Nerhene.davis@up.ac.za	+27 12 420 2881
Prof. George Djolov	Extraordinary Professor	Meteorology		
Liesl Dyson	Lecturer	Meteorology	Liesl.dyson@up.ac.za	+27 12 420 2469
Sanet Eksteen	Lecturer	Geoinformatics	Sanet.eksteen@up.ac.za	+27 12 420 3546
Joos Esterhuizen	Lecturer	Geoinformatics	Joos.esterhuizen@up.ac.za	+27 12 420 4172
Prof. Kevin Hall	Extraordinary Professor	Geography		
Dr Natalie Haussmann	Lecturer	Geography	Natalie.haussmann@up.ac.za	+27 12 420 4049
Prof. Andre Horn	Associate Professor	Geography	Andre.horn@up.ac.za	+27 12 420 3713

Prof. Willem Landman	Extraordinary Professor	Meteorology		
Michael Loubser	Lecturer	Geography	Michael.loubser@up.ac.za	+27 12 420 2489
Robert Maisha	Lecturer	Meteorology	Robert.maisha@up.ac.za	+27 12 420 2532
Dr Otsile Ntsoane	Extraordinary Lecturer	Meteorology		
Dr Jane Olwoch	Senior Lecturer	Environmental Science	Jane.olwoch@up.ac.za	+27 12 420 2533
Erika Pretorius	Lecturer	Geoinformatics	Erika.pretorius@up.ac.za	+27 12 420 3737
Prof. Sivakumar Venkataraman	Extraordinary Professor	Atmospheric Remote Sensing	svenkataraman@csir.co.za	+27 12 841 3433
Prof. Paul Sumner	Associate Professor	Geography	Paul.sumner@up.ac.za	+27 12 420 2881
Philemon Tsela	Lecturer	Geoinformatics	Philemon.tsela@up.ac.za	+27 12 420 4939
Fritz van der Merwe	Senior Lecturer	Geoinformatics	Fritz.vandermerwe@up.ac.za	+27 12 420 4255

Department News

Professor Paul van Helden (Geoinformatics) retired at the end of 2010. Natalie Haussmann joined the department in 2010 and graduated with her PhD early in 2011. Michael Loubser (Geography) and Dr Serena Coetzee (Geoinformatics) joined the department in 2011.

Liesl Dyson won the prize for the best oral presentation for the talk entitled “Daily heavy rainfall characteristics at the Gauteng province from 1977-2010” at the annual conference of the South African Society for Atmospheric Sciences (SASAS) held at Gariep Dam in October 2010. Vesa Nietosvaara from the Finnish Meteorological Institute (FMI) visited Liesl Dyson in the department in October 2010. Mr Nietosvaara shared his experiences in on-line training of meteorologists. Jeff Wilson, director of training at the World Meteorological Organization (WMO) also visited the department in the view of creating a WMO Regional Training Centre in South Africa in collaboration with the South African Weather Service

Under a South African National Antarctic Programme project (led by Ian Meiklejohn, Rhodes University), postgraduates Barend van der Merwe and Jacqui Davis began a 13-month spell on Marion Island in April 2010 and Michael Loubser visited Antarctica over the summer of 2010/11. Paul Sumner and postgraduate Ryan Anderson visited the University of Mauritius in July for a joint project with both the UoM and Werner Nel (UFH). Dr Ravi Boojhoowan from the University of Mauritius visited the department in April and Prof. Kevin Hall (UNBC, Canada, and UP extraordinary Professor) visited in September.

2010 dated publications

Albers, P, Wright, C and Olwoch. J M. 2010: Developing a South African Pedestrian Environment Assessment Tool: Tshwane Case Study. *South Africa Journal of Science*, Vol. 106 No. 9/10, 1 -8

Begue N, Bencherif H, Sivakumar V, Kirgis G, Mze N and Leclair de Bellevue J., 2010: Temperature variability and trends in the UT-LS over a sub-tropical site, Reunion (20.8 S, 55.5 E), *Atmospheric Chemistry and Physics*, 10, 8563–8574.

Begue N, Bencherif H, Sivakumar V, Kirgis G, Mze N and Leclair de Bellevue J., 2010: Temperature variability and trend estimates at tropopause and UT-LS over a sub-tropical site, Reunion (20.8 S, 55.5 E), *Atmospheric Chemistry and Physics Discuss.*, 10, 10113–10143.

Bencherif H, Mze N, Begue N, Colanne N, Diab R, Sivakumar V, and Keckhut P, 2010: On the use of a Regression Model for Trend Estimates from Ground-based Atmospheric Observations in the Southern Hemisphere, *26th Annual conference of South African society for atmosphere science*, ISBN 978-0-620-47333-0, South Africa, 20-22 September 2010, Pg, 7-8.

Botai O J, Sivakumar V, Combrinck, L.W and Hannes C J., 2010: Multi-Scale organization of water vapour in the low- and mid- tropical Africa, *World Scientific books, Advances in Geosciences*, 16, Atmospheric Science, Chapter 21, 241-251, ISSN : 1680-7340& ISBN : 978-981-283-809-4.

Eksteen, S., Pretorius, E., Breetzke.G.D., 2010: GIS in secondary schools in South Africa: Three case studies and some comments. In Milson, A., Demirce, A. and Kerski, J. (eds). *International Perspectives on Teaching and Learning with GIS in Secondary Schools*. Springer.

Hall, K. 2010. The shape of glacial valleys and implications for southern African glaciation. *South African Geographical Journal*, 92, 35-44.

Hall, K. & André, M-F. 2010. Cryoplanation terraces on Alexander Island: Weathering data and observations regarding formation and development. *Antarctic Science*, 22, 175-183.

Hall, K., Meiklejohn, I., Sumner, P. and Arocena, J., 2010: Light penetration into Clarens Sandstone and implications for deterioration of San rock art. *Geoarchaeology*, 25, 122-136.

Hausmann, N.S., 2010. Biogeomorphology: understanding different research approaches. *Earth Surface Processes and Landforms*. DOI: 10.1002/esp.2097

Hausmann, N, McGeoch, M. and Boelhouwers, J.C, 2009, Interactions between a cushion plant (*Azorella selago*) and surface sediment transport on sub-Antarctic Marion Island, *Geomorphology*, 107,139-148.

Mbatha, N, Sivakumar V, Malinga S B, Bencherif, H and Pillay S R., 2010: Study on the impact of sudden stratosphere warming in the upper mesosphere-lower thermosphere region using satellite and HF radar measurements, *Atmos. Chem. Phys.*, 10, 3397–3404, 2010.

Mbatha N, Sivakumar V, Malinga S B, Bencherif H, Pillay S R, A. Moorgawa and M.M. Michaelis, 2010: Durban Rayleigh Lidar measurements of stratosphere-mesosphere temperature structure, *Proc. of 25th International Laser Radar Conference*, ISBN 978-5-94458-109-9, Saint Pietersburg (Russia), 987-990.

Nel, W., Reynhardt, D.A. and Sumner, P.D., 2010: Effect of altitude on erosive characteristics of concurrent rainfall events in the northern KwaZulu-Natal Drakensberg. *Water SA*, 36, 509-512.

Schutte, I.C. and Booyesen, I., 2010: Geosite Identification as an Element of Promoting Geotourism in a Wildlife Hotspot: The Kruger National Park, South Africa. In Dowling, R. and Newsome, D. (eds). *Global Geotourism Perspectives*. Goodfellow Publishers, Oxford UK. ISBN 978-1-906884-17-8

Sivakumar V (Ed.) 2010: NOT A DAM CONFERENCE' - 26th Annual conference proceedings of South African Society for atmosphere Science, Electronic publication, http://www.sasas.org.za/downloads/SASAS_proceedings.pdf, ISBN 978-0-620-47333-0, 2010.

Sivakumar V, Tefera D, Mengistu G and Botai, O.J., 2010: Mean Ozone and Water vapour height profiles for southern hemisphere region using Radiosonde / Ozonesonde and HALOE satellite data, *World Scientific books, Advances in Geosciences*, 16, Atmospheric Science, Chapter 23, 263-270, ISSN : 1680-7340 & ISBN : 978-981-283-809-4.

Sivakumar V (Ed.), 2010: Beyond the Box' - 25th Annual conference proceedings of South African Society for atmosphere Science, Electronic publication, http://www.sasas.org.za/downloads/2009_SASAS_conference_proceeding.pdf, ISBN 978-0-620-44218-3.

Sivakumar V, Tesfaye M, Alemu W, Sharma A, Bollig C and Mengistu G., 2010: Aerosol measurements over South Africa using LIDAR, Satellite and Sun Photometer, *World Scientific books, Advances in Geosciences*, 16, Atmospheric Science, Chapter 22, 253-262, ISSN : 1680-7340 & ISBN : 978-981-283-809-4.

Sivakumar V, Bollig C, Sharma A and Tesfaye M., 2010: Development of 2-Channel (532 nm and 355 nm) Mobile LIDAR for Mapping Particulate Matter in the Atmosphere, *26th Annual conference of South African society for atmosphere science*, ISBN 978-0-620-47333-0, South Africa, 20-22 September 2010, Pg 103-104.

Tesfaye M, Sivakumar V, Botai J and Mengistu G., 2010: Latitudinal Variations of Aerosol Optical Parameters over South Africa Based on MISR Satellite Data, *26th Annual conference of South African society for atmosphere science*, ISBN 978-0-620-47333-0, South Africa, 20-22 September 2010, Pg, 105-106.

Tesfaye M, Sivakumar V, Mengistu G, Botai J, Sharma A, Bollig C and Rautenbach C.J.deW., 2010: Atmospheric Aerosol load morphological classification and retrieved visibility based on lidar backscatter measurement, *Proc. of 25th International Laser Radar Conference*, ISBN 978-5-94458-109-9, Saint Pietersburg (Russia), 487-490.

Tsela, P. L., P. van Helden, P. Frost, K. Wessels and S. Archibald. Validation of the MODIS Burned-area products across different biomes in South Africa, *Proceedings of the 2010 IEEE*

International Geoscience and Remote Sensing Symposium, ISBN: 978-1-4244-9566-5, pages 3652-3655, Honolulu, Hawaii, USA, July 25 - 30, 2010.

Olwoch J.M. and Wright C. 2010: Global Change and Human Health. SARVA <http://www.rvatlas.org>

Vogel C, Gina Ziervogel, Ailsa Holloway, Sabine Stuart-Hill and Olwoch, J. M. 2010: Adaptation to Climate change and Human health. A contribution to the "Adaptation Chapter" in South Africa 2nd National Communication Report to UNFCCC

Student Numbers

Level	Number
First year	45
Second year	35
Third year	30
Honours	36
Masters	34
Doctoral	16

RHODES UNIVERSITY**Department of Geography**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Prof., Fox, R.C.	Development in Africa, Geography Education.	r.fox@ru.ac.za	046-603 8319

Academic and Administrative staff members

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof., Rowntree, K.M.	Professor	Geocology, Catchments, Fluvial Geomorphology.	k.rowntree@ru.ac.za	046-603 8320
Prof., Meiklejohn, K.I.	Professor	Geomorphology, GIS, Climate Change.	i.meiklejohn@ru.ac.za	046-603 8024
Dr., Kirshner, J	Lecturer	Urban Geography, Planning.	j.kirshner@ru.ac.za	046-603 8053
Ms, McGregor, J.K.	Lecturer	Biogeography, Mountain environments, Landuse change, GIS.	j.k.mcgregor@ru.ac.za	046-603 8322
Prof., Foster, I.D.L	Visiting Professor	Fluvial Geomorphology, Soil erosion, Sediment tracing.	i.foster@ru.ac.za	046-603 8316
Prof., Assmo, P.	Visiting Professor	Rural development.	p.assmo@ru.ac.za	046-603 8316
Ms, Armstrong, G.	Principal Technical Officer	Sedimentology, Water Chemistry	g.armstrong@ru.ac.za	046-603 8325
Mr, Landman, J.	Geotechnical Systems Specialist	Information graphics, Symbols in society, Design and document editing.	j.landman@ru.ac.za	046-603 7454

Mr, van der Waal, B.	Research Assistant	Fluvial Geomorphology, Soil erosion, Sediment tracing.	b.vanderwaal@ru.ac.za	046-603 8854
Ms, Fouché, D.	Secretary	HR Management, Public relations.	d.fouche@ru.ac.za	046-603 8316
Vacant	Senior Technical Assistant			

Department News

Rhodes Geography saw the arrival of two new staff members in 2010, namely Prof Ian Meiklejohn and Dr Josh Kirshner. This was much to the relief of the long serving staff members, Professors Rowntree and Fox and Ms Gillian McGregor. The year also saw the installation of our new Environmental Tracing Laboratory and the hosting of two conferences by the Geography Department.

Professor Ian Meiklejohn joined the Department of Geography in January 2010 after 15 years of service at the University of Pretoria. The first two months of his time at Rhodes were spent in the Antarctic as part of the South African Antarctic Programme summer relief voyage. His research programmes in the Antarctic (Western Dronning Maud Land) and sub-Antarctic (Marion Island) investigate landscape responses to climate change. Monitoring ground temperatures in a permafrost environment formed part of an International Polar Year collaborative effort with the International Permafrost Association to establish continent-wide active layer dynamics. Initial investigations are being used to establish an inventory of periglacial landforms; this complements the ground thermal measurements. New findings, presented at the Southern African Association of Geomorphologists Biennial Conference, hosted by Rhodes, represent the first field evidence that the freezing of melt-water in cracks and joints produces autochthonous blockfields.

His research from Marion Island has recently focussed on island-scale landscape evolution, challenging the argument that rapid deglaciation resulted in faulting. No evidence of such faulting has been found and this has necessitated a re-evaluation of the Island's glacial chronology. Further research on Marion considered a Raman spectroscopic analysis of lavas that can potentially be used as a terrestrial analogue for Martian basalts. Future collaborative opportunities with biologists are likely both on Marion and the Antarctic since the initial findings in two submitted papers suggest that invertebrate habitats are dependent on island-scale volcanism and glaciation on Marion Island, while in the Antarctic, active-layer dynamics provide the habitat for microbiological and invertebrate populations.

Ian's other main research field investigates the deterioration of indigenous San paintings in southern Africa. Long standing collaborations with the University of Northern British Columbia and the University of Pretoria have resulted in findings which suggest that the San prepared the rock surface as an artist would prepare a canvas; this is thought to be achieved by smoothing the surface with a grindstone and then applying a layer of clay-rich material, before painting their art. Results of the first attempt to quantify light transmission into sandstone and its impact on rock weathering and deterioration were published in 2010.

Dr. Joshua Kirshner recently completed a postdoctoral fellowship at the University of Johannesburg and was appointed as lecturer in Geography at Rhodes in July 2010. Kirshner holds a PhD in city and regional planning from Cornell University and an MA in urban planning from the University of California Los Angeles. Since starting at Rhodes, he has worked on developing teaching curricula focusing on the study of cities and urban change in southern Africa, local and regional planning in South Africa, and interactions between the environment and development in Africa and Latin America.

Dr. Kirshner's research falls into three main areas. The first is a project on migration, regional development and social integration in eastern Bolivia, undertaken as part of doctoral thesis research. The second focuses on understanding and challenging xenophobia at the local level in South Africa, including local governments and civil society. While at the University of Johannesburg, he conducted a case study as part of a research project commissioned and funded by Atlantic Philanthropies on South African Civil Society and Xenophobia, which appears in a policy report. Third, he plans to start a new research project in Mozambique on migration flows, new urbanization and extractive industries. He received funding from the Joint Research Committee (JRC) at Rhodes to undertake this project in 2011.

In the past year, Dr. Kirshner published two peer-reviewed articles on his research in Bolivia and has written a chapter included in *Remapping Bolivia: Territory, Rights and Resources in a Plurinational State*, an edited book that is currently in press (School for Advanced Research Press, Santa Fe, New Mexico, USA). He published a short article and a case study in a report on xenophobia in South Africa and has presented papers in the Sociology Department Seminar at Rhodes (October 2010) and the South African Sociological Association (SASA) conference in East London, hosted by University of Fort Hare (July 2010).

Prof Rowntree's research in 2010 has continued to focus on the identification of sediment source areas, transfer processes and sediment sinks at a range of scales. A major component of this research has been studies of the relationship between catchment scale sediment dynamics and land management changes in the Sneeuwberg area of the Karoo. Prof Ian Foster from Northampton University and other UK colleagues have collaborated to use environmental magnetism and gamma spectrometry to trace and date sediment in small farm dams. This work has underlined the importance of identifying catchment storage and the role of connectivity in controlling sediment delivery to sink areas (the dams). The findings indicate that the dynamic relationship between initial erosion, storage and connectivity has resulted in lags between maximum grazing pressure and maximum sediment yield of up to 50 years.

The Baviaans Kloof is developing as a second research node through collaboration with the PRESENCE network managed through the Dutch group Living Lands. PRESENCE brings together research students and their supervisors, catchment managers and farmers to support best management practices aimed at restoring living landscapes in South Africa [<http://www.earthcollective.net/initiatives/presence/>]. Three research students jointly supervised by Prof Fred Ellery (Environmental Science) and Prof Kate Rowntree are hoping that their research findings will support the aims of this network. Two of the students receive funding through PRESENCE.

Research support has also been provided by the Department of Water Affairs through their East Cape Restoration Programme (ECRP). We are especially grateful for funding to employ Mr Bennie van der Waal as a Research Assistant in 2010 and funding for a Masters student to work on sediment problems in the Tina catchment. Bennie's primary task has been to get the

new Environmental Tracing Laboratory up and running. The ECRP provides another opportunity for networking with government agencies, land managers, and researchers.

Prof Rowntree was also invited to join a team of researchers from the Universities of the Free State and Cape Town to develop methods for assessing environmental flow requirements for dryland rivers through a project funded by the Water Research Commission. In 2010 the focus of the research was the Mokolo River in Limpopo Province. In 2011 the Swart River and the Touws River in the Western Cape become the rivers of interest.

The Nordic Africa Days conference was held in Turku, Finland at the end of September and this provided Prof Rowntree with an opportunity to keep in touch with colleagues at the Finland Futures Research Centre and discuss our joint proposal for a Masters Programme in Sustainable Futures at Rhodes University. Professors Fox and Rowntree also represented the University at the SANORD Symposium at the University of Johannesburg in December.

Professor Fox took three months sabbatical leave in 2010 to further his research interests in the development of role playing simulations that model resource consumption, HIV/AIDS diffusion, rural and urban development, climate change, water management and the Millennium Development Goals. He was invited to run the African Catchment Game simulation at the Ecole Polytechnique Francais' Graduate School of Engineering, Sceaux, France from September 21-23. He also worked in collaboration with partner institutions: Höskolan Väst (University West), Trollhättan, Sweden and Finland Futures Research Centre, Turku, Finland.

His second recent interest has been examining the diffusion and impact of Open Access Research Repositories through case studies of Rhodes University and Linköping University, Sweden. Analysis of data was completed and a co-authored paper submitted for publication as conference proceedings during his leave. One conclusion of the work is that Open Access programmes promote wider dissemination of research especially to communities marginalised by language or poor resources. Conventional research through scientific publishing houses 'locks-up' research and restricts outputs to select audiences. We decided, therefore, that all of the Honours projects produced through our seven year Linnaeus-Palme project with University West would be made available full-text on the internet. The 32 student projects can now be accessed at: http://web.me.com/roddyfox/Linnaeus-Palme_exchange/2002-2010_Exchange.html.

Professor Fox also presented two papers (with co-authors) at the Nordic Africa Days conference 'Time Space Africa: Reconnecting the Continent' held at Finland's Swedish medium University, Åbo Akademi, Turku, Finland, September 30 – 1 October. He also presented a research seminar at Uppsala University's Geography Department on October 29th and had discussions with colleagues concerning the design of a new postgraduate collaboration between our two Departments.

Gillian McGregor continued with the development of a Geographical Information Systems (GIS) textbook for South Africa teachers as an e-resource, with limited editions of hard copies. This utilises the work of the 2010 Honours class and she has been helped by rotary exchange student Ms Jill Moeller. The GIS Honours class also received the Rhodes Community Engagement Scholarship Award for their class project: Mapping the Rhodes Community Engagement projects. She continued her work with the Eastern Cape's Thicket Forum and organised their annual conference in October 2010. Lastly she has contributed Honours research student projects to the collaborative project entitled 'Fire regimes, alien plants and

ecosystem services' in the Garden Route. Nelson Mandela Metropolitan University, CSIR, SanParks, ECPTA and MTO Forestry are the collaborating or institutions.

Physical geography has been given a significant boost through the extension of our laboratory facilities to include an Environmental Tracing Laboratory, established in the Geography Department in 2010. Funding for this new facility was provided by the National Research Foundation's Key International Scientific Co-operation programme and Rhodes University. The laboratory provides geomorphologists with a suite of equipment that will be used to study the origin and movement of sediment within rivers and their catchments. This is done through analysing the magnetic susceptibility and remnance properties of soils and sediments in catchment source areas and sediment sinks such as dams. Previously we were fortunate to have the use of Visiting Professor Ian Foster's UK based facilities. He has played a fundamental role in setting up the new laboratory and continues to give valuable advice concerning data interpretation.

Four pieces of equipment are used in combination to characterise the magnetic properties of sediments. The Bartington MS2B Susceptibility Bridge is a laboratory sensor for dual frequency measurements of magnetic susceptibility. The Molspin Pulse Magnetiser is used to induce an IRM into a rock or soil sample and the Shielded Demagnetizer enables rock or soil samples to be demagnetized. The resulting magnetic remnance of samples is measured using a Minispin Portable Magnetometer.

A fifth piece of equipment is the gamma detector used to identify radionuclides in sediments using gamma spectrometry. This provides a means of dating sediments and developing a chronology of deposits for the past 100 years. Two radionuclides widely used for dating are ^{137}Cs and unsupported ^{210}Pb analysis. Another important use of ^{137}Cs is to distinguish sediment derived from topsoils from those derived from subsoils.

The official opening of the laboratory, by Deputy Vice-Chancellor Peter Clayton, was held during the 18th Southern African Association of Geomorphologists conference. This was followed by a one-day workshop, attended by Rhodes students and international delegates, which was run by Professor Ian Foster, who demonstrated the use of the new equipment.

'Land denudation or land degradation?' was the conference theme at the Southern African Association of Geomorphologists' (SAAG) biennial held from 3-5th September. Fifty-seven delegates, both national and international, gathered in Grahamstown to address this pressing issue. The conference organisers, Professors Kate Rowntree and Ian Foster, led postgraduate students from Rhodes University, the University of Cape Town and international delegates from Australia, Germany, the UK and the USA on a highly informative field trip into the Sneeuberg mountains in the area surrounding Nieu-Bethesda. Several field sites were visited where geomorphic processes were interrogated and discussed. Back in Grahamstown, papers and posters gave evidence of the breadth of this field with many different spatial scales of landscape processes and time spans that ranged from a few seconds to millions of years. The delegates left committed to furthering the debate concerning current landscape processes and the human impact.

The Geography Department was host to another conference in 2010. 'South Africa: 1.2 million km^2 of Geography' was the theme of the student conference that ran from the 29th-30th August. This is an annual event supported by the Society of South African Geographers (SSAG), but run by and for students of Geography and Environmental Science departments from around South

Africa. The Rhodes event organisers were Philippa Irvine (MA Student) and Kerry Bobbins (MSc Student), assisted by the Department's staff and postgraduate students.

The Keynote address was provided by Dr Tony Lemon of Mansfield College, Oxford. Dr Lemon spoke on the topic of 'Unravelling the Geography of Apartheid and Restructuring South Africa's Schools'. The conference excursion on the Monday included a talk and tour by Dr Garth Cambrey on the topic of wind energy technology and its proposed application in Grahamstown. This was followed by a bus tour of Grahamstown which touched on various elements of its geography.

The event was attended by 115 students and lecturers from 15 universities: Stellenbosch, University of Cape Town, University of Pretoria, Nelson Mandela Metropolitan University, University of KwaZulu-Natal, University of Fort Hare, University of the Free State, University of Johannesburg, North West University, University of Zululand, University of Limpopo, University of Venda, UNISA, Rheinische Friedrich-Wilhelms-Universität Bonn and, of course, Rhodes. The conference presentation winners included: B.Ncube (UKZN), A. Schoch (Bonn), J. Immelman (UJ) and J.M. Bell (UJ).

2010 has thus been an active and productive year for the Geography Department at Rhodes. We have benefited especially from our two new staff members who are actively engaged in research and from our postgraduate students who have together helped to create an exciting intellectual atmosphere in the Department.

2010 dated publications

Boardman, J., Foster, I.D.L., Rowntree, K.M., Mighall, T., & Gates, J. 2010: Environmental stress and landscape recovery in a semi-arid area, The Karoo, South Africa. *Scottish Geographical Journal*, 126(2), 64-75.

Foster, I.D.L. & Rowntree, K.M. (Eds) 2010: Field Guide to Pre-Conference Excursion. SAAG Biennial Conference, September 2010. Department of Geography, Rhodes University, Grahamstown, 104 pp.

Hall, K., Meiklejohn, I. & Bumby, A. 2011: Marion Island (sub-Antarctic) volcanism and glaciation: new findings and reconstructions. *Antarctic Science*, 23, 155-163, doi:10.1017/S0954102010000878 (Published on-line in 2010).

Hall, K., Meiklejohn, I., Sumner, P. and Arocena, J. 2010: Light penetration into Clarens sandstone and implications for deterioration of San rock art. *Geoarchaeology*. 25, 122-136.

Hedding, D.W., Meiklejohn, K.I., Le Roux, J.J., Loubser, M., Davis, J.K. 2010 : Some Observations on the Formation of an Active Pronival Rampart at Grunehogna Peaks, Western Dronning Maud Land, Antarctica. *Permafrost and Periglacial Processes*, 21, 355-361.

Kirshner, J.D. & Phokela, C. 2010: Khutsong and xenophobic violence: Exploring the case of the dog that didn't bark. In: Everatt, D., *South African Civil Society and Xenophobia*. The Atlantic Philanthropies, Johannesburg.

Kirshner, J.D. & Phokela, C. 2010: We engaged with foreigners, and they supported us: Countering xenophobia in Khutsong. *South African Labour Bulletin*, 34(5), 32-34.

Kirshner, J.D. 2010: Migration, informalization and public space in Santa Cruz, Bolivia. *Bolivian Studies Journal*, 15-17, 150-190.

Palmer, B., Hill, T., McGregor, G.K., Paterson, A., 2010: An assessment of coastal development and land use change using the DPSIR framework: case studies from the Eastern Cape, South Africa. *Coastal Management*, 158-174.

Palmer, B., McGregor, G.K., Hill, T., Paterson, A., 2010: A spatial assessment of coastal development and land use change in the Eastern Cape, South Africa. *South African Geographical Journal*, 92, 117-128.

Prinsloo, L.C., Colomban, P., Brink, J.D. & Meiklejohn, I. 2010: A Raman spectroscopic study of the igneous rocks on Marion Island: a possible terrestrial analogue for the geology on Mars. *Journal of Raman Spectroscopy*, doi: 10.1002/jrs.2756 (Published on-line in 2010).

Rowntree, K.M., Birkholz, S.A., Burt, J.C. & Farolfi, S. 2010: *A Stakeholder driven process to develop a Catchment Management Plan for the Kat River Valley*. WRC report No 1496/1/10, Water Research Commission, Pretoria.

Shackleton, C.M., Shackleton, S.E., Gambiza, J., Nel, E., Rowntree, K.M., Urquhart, P., Fabricius, C. & Ainslie, A. 2010: *Livelihoods and vulnerability in the arid and semi-arid lands of Southern Africa*. Nova Science Publishers, New York.

Vieira, G., Bockheim, J., Guglielmin, M., Balks, M., Abramov, A.A., Boelhouwers, J., Cannone, N., Ganzert, L., Gilichinsky, D.A., Goryachkin, S., López-Martínez, J., Meiklejohn, I., Raffi, R., Ramos, M., Schaefer, C., Serrano, E., Simas, F., Sletten, R. & Wagner, D. 2010: Thermal State of Permafrost and Active-layer Monitoring in the Antarctic: Advances During the International Polar Year 2007–2009. *Permafrost and Periglacial Processes*. 21, 182-197.

Conference Presentation in 2010

Bobbins K.L., Rowntree, K.M., Ellery, W. 2010: Developing a conceptual framework to assess form-process relationships on semi-arid alluvial fans in the Baviaanskloof valley, South Africa. Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Foster, I.D.L., Rowntree, K.M. & van der Waal, B.W. (Convenors) 2010: Theory and application of sediment tracing. Rhodes University, 30 August 2010, Grahamstown.

Foster, I.D.L., Rowntree, K.M., Boardman, J. & Mighall, T. 2010: Changing sediment yield and sediment dynamics in the Karoo uplands, South Africa: Post-European impacts. Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Fox, R.C. & Assmo, P.A. 2010: Connecting with Africa through the Linnaeus-Palme Exchange Programme. Nordic Åbo Akademi, September 2010, Turku, Finland.

Kirk-Spriggs, A.H., Wiegmann, B. & McGregor, G. 2010: Systematics and biogeography of 'afrotropical quasimodo' flies (*Curtonotidae*). 7th International Conference of Dipterology, Ramada-Herradura International Conference Center, August 2010, San Jose, Costa Rica.

Kirshner, J.D. . 2010: Community-based field research in Khutsong. South African Civil Society and Xenophobia Workshop, University of Johannesburg, 6 February 2011, Johannesburg.

Kirshner, J.D. 2010: The politics of inclusion in Khutsong: countering xenophobia at the local level. South African Sociological Association (SASA) Annual Congress, University of Fort Hare, July 2010, East London.

Mabeka, P., Meiklejohn, K.I. & Griffen, N. 2010: Developing a palaeoclimatic record Of Marion Island using diatoms extracted from sediment cores. Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Meiklejohn, K.I. & Lee, J. 2010: An Autochthonous Blockfield on Vesleskarvet, Western Dronning Maud Land, Antarctica: Origin, Rock Hardness and Lichen Colonisation. Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Melly, B., McGregor, G. & Plon, S. 2010: The zoogeography of the cetaceans in Algoa Bay, South Africa. The African Marine Mammal Symposium, May 2010, Kleinbaai.

Melly, B., McGregor, G. & Plon, S. 2010: The zoogeography of the cetaceans in Algoa Bay, South Africa. The European Cetacean Society (ECS) Annual Conference, Meeresmuseum, March 2010, Stralsund, Germany.

Mighall, T., Foster, I.D.L., Rowntree, K.M., Boardman, J., Sánchez, N.S. & Cortizas, A.M. 2010: Landscape degradation in the Karoo: palaeoenvironmental evidence from Misty Hills and Compassberg. Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Mzobe, P. & Rowntree, K.M. 2010: An investigation of sediment linkages in a small catchment in the Mount Fletcher southern Drakensberg region, South Africa. Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Rowntree, K.M. & Fox, R.C. 2010: Simulating space and place in Africa through geographical game play. Nordic Africa Days 2010, Time Space Africa: Reconnecting the Continent. Åbo Akademi, September 2010, Turku, Finland.

Rowntree, K.M. & Fox, R.C. 2010: Two exchange programmes with one small department: Linnaeus-Palme 2003-2010, CIMO North-South-South 2007-2009. SANORD Symposium: Sustaining Higher Education through Southern African-Nordic Institutional Partnerships. University of Johannesburg, September 2010, Johannesburg.

Soch, A. Meiklejohn, K.I. & Bumby, A. 2010: Structural Control in the High Drakensberg. 42nd Student Geography Conference, Rhodes University, Grahamstown, 27-29 August 2010, Grahamstown.

Smith-Adao, L., Rowntree, K.M. & Nel, J No No 2010: Valley floor changes along the Baviaanskloof River, Eastern Cape, South Africa, Southern African Association of Geomorphologists Biennial Conference, Rhodes University, 3-5 September 2010, Grahamstown.

Student Numbers

Level	Number
First year	211
Second year	51
Third year	31
Honours	6
Masters	7
Doctoral	2

STELLENBOSCH UNIVERSITY**Department of Geography & Environmental Studies**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone number
Prof Van der Merwe, JH	Environmental Studies, GIT; landuse; Landscape analysis; rural tourism	jhvdm@sun.ac.za	021 808 3103

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Mrs Boonzaaier, I	GIT specialist: CGA ¹	GIT	ib@sun.ac.za	021 808 3112
Mrs Cronjé, M	Postgraduate Programme Coordinator	Programme coordination	mcron@sun.ac.za	021 808 3100
Dr De Klerk, H	Senior Lecturer	Spatial analysis; Biogeography; Species modelling; Fire ecology; Thresholds of potential concern & adaptive management for ecological management	hdeklerk@sun.ac.za	021 808 9322
Prof Donaldson, SE	Associate Professor	Urban development; Tourism research	rdonaldson@sun.ac.za	021 808 2395
Mr Du Plessis, D	Senior Research	Urban morphology;	ddp@sun.ac.za	021 808 3126

¹ CGA – Centre for Geographical Analysis

	Analyst: CRUISE ²	Spatial planning & modelling; Urban & regional policy; Migration & urbanization		
Mr Eloff, P	Lecturer	Urban & environmental geography	pje@sun.ac.za	021 808 3095
Prof Ferreira, SLA	Associate Professor	Tourism & crime; Tourism & development; Trans Frontier Conservation Areas	slaf@sun.ac.za	021 808 3105
Ms Fortune, G	DiMP ³ : Knowledge Co-ordinator	Research: Loss estimation in severe weather post-event assessments	gillianfortune@sun.ac.za	021 808 9383
Prof Geyer, M	Director: CRUISE	Migration; Urban morphology; Urban systems	hsgeyer@sun.ac.za	021 808 3107
Mr Geyer, HS	External Worker: CRUISE	Urban & regional planning; Spatial economic development	hsgeyerjr@sun.ac.za	
Dr Holloway, A	Director: DiMP	Disaster risk research & related policy advocacy; Disaster risk curriculum & expertise in inter- national humanitarian assistance	ailsaholloway@sun.ac.za	021 808 9281
Mrs Horn, A	Spatial Analyst: CRUISE	Urban & regional planning; Development frameworks; Urban growth management / monitoring		

² CRUISE - Centre for Regional Innovation and Statistical Exploration

³ DiMP – Disaster Mitigation Programme

Dr Kemp, J	Lecturer	GIT; Geomorphology	jkemp@sun.ac.za	021 808 9147
Mrs Liederman, C	Secretary	Secretary	catherine@sun.ac.za	021 808 3218
Mrs Münch, Z	Lecturer	GIS; Spatial decision making	zmunch@sun.ac.za	021 808 9101
Ms Ngaye, N	Senior Secretary: DiMP	Senior Secretary	nolufefengaye@sun.ac.za	021 808 9284
Mr Poona, N	Lecturer	Remote sensing; Spatial statistics & modelling	poona@sun.ac.za	021 808 9105
Ms Prime, S	Senior financial admin manager: DiMP	Financial admin management	sylviaprime@sun.ac.za	021 808 9285
Mr Schloms, B	Lecturer	Soil evaluation & use; Pedology; Water resources & quality	bhas@sun.ac.za	021 808 3108
Mr Stephenson, G	GIT specialist: CGA	GIT	garth@sun.ac.za	021 808 3112
Mrs Van Eeden, A	GIS Analyst: CRUISE	GIS; Municipal economic development	avaneeden@sun.ac.za	021 808 9104
Dr Van Niekerk, A	Senior Lecturer/ Director: CGA	GIT; Spatial decision making systems	avn@sun.ac.za	021 808 3101
Mrs Van Zyl, M	Departmental Officer: CRUISE	Administration	minnievz@sun.ac.za	021 808 3104
Ms Willemse, L	Statistical Analyst: CRUISE	Statistics, Urban development; Urban open spaces	lodene@sun.ac.za	021 808 9103
Ms Zweig, P	Risk Reduction Co-ordinator: DiMP	Informal settlements; Low cost housing policy; Historical townships admin; Municipal commonage	patriciazweig@sun.ac.za	021 808 9282

Department News

The year 2010 will be remembered as a beehive of activity and change. A new academic unit 'Centre for Regional Innovation and Statistical Exploration' (CRUISE) has been added, an existing 'Geographical Information Technology (GIT) group' was extended, an International Geographical Union and a PhD conference were hosted, and Prof Hannes van der Merwe was re-appointed as chair for the next three years.

The Centre for Regional Innovation and Statistical Exploration (CRUISE), sponsored by Statistics South Africa, has strengthened the department's research, teaching and community services expertise. The main aim of CRUISE is the education of government officials in the handling of huge datasets in order to aid planning and the improvement of services at all levels of government. To realise this, a taught master's programme in urban and regional science has been developed. The director of CRUISE is Prof Manie Geyer. Recent staff additions are Mrs Minnie van Zyl as Departmental Officer and Ms Lodene Willemse as Statistical Analyst. The Geographical Information Technology (GIT) group received a HOPE-project award in 2009 that enabled the department to appoint three new staff members in 2010: Messrs Nitesh Poona and Jaco Kemp, and Dr Helen de Klerk. The Centre for Geographical Analysis (CGA), with Centre Director Dr Adriaan van Niekerk, has extended its capacity with two full-time staff members Mr Garth Stephenson and Mrs Ilze Boonzaaier.

A group of 50 geographers from all over the world attended a conference on Global Change and Economic Crisis in Tourism. The conference was hosted by the International Geographical Union (IGU) between 5 and 8 September 2010. The conference was jointly organised by the Department of Geography and Environmental Studies of the US (Prof Sanette Ferreira) and the Department of Geography of the Free State University (Prof Gustav Visser) and was held at the Wallenberg Centre of the Stellenbosch Institute for Advanced Research (STIAS) in Stellenbosch. Prof Tim Coles (Exeter) and Prof Michael Hall (Canterbury), well known geographers and international leaders in the field of tourism research, delivered key note presentations on 'the shape of things to come: tourism development in "post-recessionary" conditions' and 'financial crises in tourism and beyond: connecting economic, resource and environmental securities' respectively.



On 12 November, a group of doctoral students from six universities, met for a PhD-day conference. The conference was organised by Prof Ronnie Donaldson. Twenty papers were delivered of which 12 were from Stellenbosch University. The main aim of the conference was to establish a platform for PhD peer group academic interaction and the creation of a social network between doctoral students in sub-Saharan Africa. This event is scheduled to take place every second year.

Prof Ronnie Donaldson visited the Sciences Po University in Paris between 24 and 29 September 2010 to lecture and mentor MA students in the School of Public Affairs (MPA) at the French University. He is also one of two professors from Africa who was selected to facilitate a student group visit from Sciences Po to the continent in January 2011. Stellenbosch University is currently the only university in South Africa that has a formal collaboration with Sciences Po. The MPA annually enrolls approximately 40 students into their MA programme and one of the modules is a Study Trip. The Study Trip component of the MPA curriculum aims to help students develop skills in conducting field research and gain an understanding of what such an exercise entails. The Study Trip enables students to gain hands-on experience in conducting field research on a specific policy area; improve competency in working with a team to efficiently gather relevant first-hand information about the specific policy and its context within a limited time; develop skills in policy description, analysis, and diagnosis, using a mix of tools and modes of reasoning that they learn in other courses. Cape Town and Accra, Ghana, have been selected as the two case study cities for the 2011 Study Trip. Prof Donaldson has been selected as a facilitator for the Cape Town group while Prof Paul Yankson from Accra University will facilitate the Accra group.



From September to December, Prof Ronnie Donaldson also hosted Caroline Bijkerk and Roy de Ridder from the Wageningen University as part of an internship of four months. These students assisted him in a research project on assessing the socio-economic impact of the 2010 World Cup on towns outside Cape Town. Roy and Caroline conducted interviews in Paarl among residents, business owners in the hospitality industry, as well as government officials. According

to Caroline “the four months in South Africa were instructive and it was a great experience to do research in a developing country. It is great to learn about a different culture and it is fantastic to explore a new environment, especially South Africa. Although South Africa is perhaps more developed than other countries on the continent, I still experienced big differences between rich and poor. It really frustrated me that so many people face poverty and it made me again realize that I was very lucky that I got the chance to travel abroad for my internship.” Roy’s experience is summarised as “One of my most important conclusions after this period in South Africa is that it was a great and valuable experience to do my internship abroad. The contrast between the South African culture and society and my life in the Netherlands has opened my eyes. Furthermore, I am very happy with our research theme. As a soccer fan it was very interesting to see the impact of one of the largest events in the world on a country that had so high expectations of it. Because of our conclusion that there still exists too little research on the impacts of big events on especially non-hosting cities, this will definitely not be the last time I do research related to this subject.”



Visitors to our department in 2010

When	Visitor and institution	Host
February	Dr Karina Landman - Dept Town Planning, Univ of Pretoria	Prof Ronnie Donaldson
February	Prof Pieter Nijkamp – Vrije Universiteit van Amsterdam	Prof Manie Geyer
February - June	Annika Lemmon – Utrecht University	
March	Dr Blanche Nyangone Assam - Gabon	Dr Adriaan van Niekerk
March	Dr Alex Weaver - CSIR	Prof JH vd Merwe
April	Phila Xuza - Director of Aspire, Amatola Municipality Development Agency	Prof Ronnie Donaldson
May	Dr T de Jongh - Dept Geography, Utrecht University, Netherlands	Prof Ronnie Donaldson and Prof Sanette Ferreira
June	Prof Li Minghuan - School of Public Affairs, Xiamen University, China	Prof Ronnie Donaldson
August	Dr Harlan Hale – USAID Africa	Prof JH vd Merwe
August	Prof Nijkamp – Vrije Universiteit van Amsterdam.	Prof Manie Geyer
September	Roy de Ridder & Caroline Bijkerk - Wageningen University	Prof Ronnie Donaldson
November	Dr Sabine Maresch - ITC Netherlands	Prof JH vd Merwe
November	Dr Thomas Spielbuechler - Innsbruck Austria	Prof JH vd Merwe
November	Dr D Darkey - Pretoria University	Prof Ronnie Donaldson
November	Mr I Kwaw - Limpopo University	Prof Donaldson
November	Prof Gustav Visser - Freestate University.	Prof Donaldson and Prof Sanette ferreira

2010 dated publications

Donaldson, R., 2010: Die hervorming van de urbane structuur in Zuid-Afrika. *Geografie*, 19(5), 8-11.

Donaldson, R., Maumbe, K.C., 2010: Tracking the Visitors to Cape Town and the Western Cape: The relationship between visitor characteristics and travel patterns and their implications to destination marketing. *Journal of Tourism*, 11(1), 1.

Ferreira, S.L.A., 2010: Grenzeloos Zuidelijk Afrika: Peace Parks en duurzaam toerisme. *Geografie*, 19(5), 12-15.

Esler, K.J., Van Wilgen, B.W., Te Roller, K.S., Wood, A.R., Van der Merwe, J.H., 2010: A landscape-scale assessment of the long-term integrated control of an invasive shrub in South Africa. *Biological Invasions*, 12, 211-218.

Gatsinzi, J., Donaldson, R., 2010: Investment challenges in the hotel industry in Kigali, Rwanda: hotel managers' perspectives. *Development Southern Africa*, 27(2), 225-240.

Van Niekerk, A., 2010: A comparison of land unit delineation techniques for land evaluation in the Western Cape, South Africa. *Land Use Policy*, 27, 937-945.

Van Wilgen, B.W., Forsyth, G.G., De Klerk, H.M., Das, S., Khuluse, S., Schmitz, P., 2010: Fire management in Mediterranean-climate shrublands: a case study from the Cape fynbos, South Africa. *Journal of Applied Ecology*, 47, 631-638.

Wilson, A.M., Latimer, A.M., Silander, J.A., Gelfand, A.E., De Klerk, H.M., 2010: A Hierarchical Bayesian model of wildfire in a Mediterranean biodiversity hotspot: Implications of weather variability and global circulation. *Ecological Modelling*, 221, 106-211.

Conference Presentation in 2010

Forsyth, T., De Klerk, H., 2010: Cost-effective, tangible approach for mapping invasive alien plant species on reserves and applying best practice criteria to guide management actions. Fynbos Forum, 3-6 August 2010, Clanwilliam, South Africa.

Du Plessis, D., Geyer, M., Adendorff, A., Van Eeden, A. 2010: The role of the informal sector in the changing economic landscape of the Cape Town Metropolitan area. Planning Africa 2010. Beyond Crisis: Opportunities and Actions, 13-15 September 2010, Durban.

Ferreira, S.L.A., 2010: Moulding urban children toward environmental Stewardship: The Table Mountain National Park experience. IGU, Telaviv 11-15 July 2010.

Ferreira, S.L.A., 2010: Western Cape response on the global economic crisis and tourism. IGU, Stellenbosch 5-8 September 2010.

Completed theses and dissertations for the 2010 academic year

Benn JD., 2010: Studentifikasie in Stellenbosch. Unpublished Masters dissertation, Stellenbosch University. Supervisor: R. Donaldson.

Smit E., 2010: The spatial and structural relationship between the formal and informal economic sectors in South African city centres: The case of George. Unpublished Masters dissertation, Stellenbosch University. Supervisor: R. Donaldson.

Smith TNK., 2010: The rise of the Phoenix or an Achilles heel? Breaking new ground's impact on urban sustainability and integration. Unpublished Masters dissertation, Stellenbosch University. Supervisor: R. Donaldson.

Stephenson GR., 2010: A comparison of supervised and rule-based object-orientated classification for forest mapping. Unpublished Masters dissertation, Stellenbosch University. Supervisor: A. van Niekerk.

Van der Walt S., 2010: Determinants of Hout Bay residential property values. Unpublished Masters dissertation, Stellenbosch University. Supervisor: A. van Niekerk.

Willemse L., 2010: Determining community park user's characteristics for effective park usage and delivery in Cape Town Metropole. Unpublished Masters dissertation, Stellenbosch University. Supervisor: R. Donaldson.

Student Numbers

Level	Number
First year	460
Second year	290
Third year	120
Honours	18
Masters	31
Doctoral	19

UNIVERSITY OF SOUTH AFRICA**Department of Geography**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone number
Melanie Nicolau	Population, Culture and Rural Development	nicolmd@unisa.ac.za	011 471 2084

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Retha Coetzee	Lecturer	Geography of Health, Environmental Management	coetZR@unisa.ac.za	011 471 3437
Anna de Jager	Lecturer	Tourism, Urban Geography	djageae@unisa.ac.za	011 471 2022
Anja du Plessis	Junior Lecturer	Hydro Geography	duplea@unisa.ac.za	011 471 2877
David Hedding	Lecturer	Geomorphology	deddidw@unisa.ac.za	011 471 2120
Jaco Immelman	Junior Lecturer	Remote Sensing and GIS	immelj@unisa.ac.za	011 471 2520
Anisa Khotoo	Junior Lecturer	Gender, environmental geography, rural development	khotoa@unisa.ac.za	011 471 2749
Moses Mathebula	Junior Lecturer	Perception studies, impact assessment	mathemd@unisa.ac.za	011 471 2065
Prof SE Mini	Professor	Urban	minise@unisa.ac.za	011 471 2348
Shandu Nenwiini	Junior Lecturer	Climatology	nenwisc@unisa.ac.za	011 471 2525
Ernestina Nkooe	Junior Lecturer	Urban Space	nkooees@unisa.ac.za	011 471 2107
Arina Potgieter	Junior Lecturer	Biogeography	potgice@unisa.ac.za	011 471 2288

Rudi Pretorius	Lecturer	Tourism, Climate Change	pretorw@unisa.ac.za	011 471 3680
Schalk van Heeden	Junior Lecturer	Urban, GIS	Vheersw1@unisa.ac.za	011 471 2752
Michelle van Wyk	Science Foundation Assistant	Science Foundation	vwykm@unisa.ac.za	011 471 3109
Gerda Venter	Junior Lecturer	Geomorphology	venteg@unisa.ac.za	011 471 2168
Gillian Viljoen	Lecturer	Urban Geography	viljoga@unisa.ac.za	011 471 3105
Chris Vlok	Senior Lecturer	GIS, cartography	vlokac@unisa.ac.za	011 471 3120
Hellene Steenkamp	Secretary	-	steenhe@unisa.ac.za	011 471 3689
Laura Steyn	Technical Assistant	-	steynlp@unisa.ac.za	011 471 2012
Mpho Mapholo	Administrative Assistant	-	maphomr@unisa.ac.za	011 471 2065
Prof Elri Liebenburg	Academic Associate	Cartography	elri@worldonline.co.za	-
Prof Joan Fairhurst	Academic Associate	Cultural, population, rural development	joanfair@global.co.za	-
Dr Lorraine Innes	Academic Associate	Cartography, school geography	lorraine@maptrix.co.za	-
Dr Alet Harmse	Academic Associate	Economic Geography, GIS		-

Events

The Department started a community engagement project in the Bojanala Region (North West Province). Using a roots driven approach, the department in collaboration with the Greater Rustenburg Community Foundation (GRCF) is working in communities in the region to enable communities to identify their own problems and come up with their own solutions to these problems. This is based on the fact that even the poorest of communities have a tremendous number of assets, and if properly accessed and channelled, sustainable development is possible. Apart from the various field trips and workshops in the region, the Department of Geography hosted a symposium on Asset Based Community Development (ABCD). During this symposium, a number of academics from the Coady International Institute at the St Xaviers University in Canada presented paper on the ABCD approach. The symposium brought together academics from various disciplines, representatives from business, and community members who had successfully applied the approach. Our work in the communities continues, and from this project, a number of research projects have developed. The Department of Geography will once again host a conference on this topic in October 2011 in the Bojanala Region. At this conference, the Department of Geography and the Greater Rustenburg Community Foundation will bring together academics, representatives from business,

government and the communities. The conference will focus on the introduction of CAMP (Community Asset Mapping (and Monitoring)) as a methodology for change in rural communities. This is an ongoing community engagement project that is fast developing into a multi-inter-trans disciplinary research project.

The Department of Geography, once again co-ordinated the International Cartographic Association's Barbara Petchinik Competition. The theme was "living in a globalised world", and over 6000 maps were received from a number of urban and rural schools. Six maps were selected to participate in the international competition during the ICA conference in Paris (June 2011).



Chris Vlok and Elri Liebenberg evaluating the maps to choice 6 maps to represent South Africa at the ICA conference in Paris

In the spirit of the Fifa Soccer World Cup, the Department of Geography, decided to embark on an awareness campaign of our new location (Florida). In soccer shirts and with vuvuzelas, staff visited the Fire Department, the CBD and Kloofendal Nature Reserve. During the day, the academics filled asked the locals to to give us an indication of the type of advice they would give to any overseas tourist visiting the West Rand. The results of the questionnaires produced interesting advice to overseas tourists on which areas the locals would recommend as a must see for any tourist. The locals also indicated which areas tourists should avoid at all costs.

The Department celebrated World Environment Day on the 1 June 2010 at the main campus. The theme of the celebrations was "many species, one planet and one future". Two distinguished guest speakers (Dr Bob Scholes from the CSIR and Domitilla Raimondo from the SA National Biodiversity Institute) set the tone of awareness and open discussion on the theme. As usual the afternoon celebrations focussed on an environmental awareness programme for school children from the Pretoria region and the rural communities from the Bojanala region.

On Women's Day, members of staff from the Department were invited by the Greater Rustenburg Community Foundation (GRCF) to join an event at the Losperfontein Maximum Security Prison. Prof Joan Fairhurst gave a presentation on the purpose and history of women's day to prisoners in the maximum security section of the prison. The event was arranged by a group of prisoners who have formed an organisation called LACAP. This group of prisoner's uses events such as women's day to create an awareness that crime does not pay. The focus of the day, was presentations by various prisoners, who had received life sentences for crimes against women, the purpose of the presentations was to seek forgiveness for the crime they has committed.



Some of the long term prisoners in the Losperfontein Maximum Security Prison, academic from Unisa, and staff from the Greater Rustenburg Community Foundation

Dr Woldeamlak Bewket (Addis Ababa University), visited the Department of Geography in April 2010. During this visit Dr Bewket presented a presentation as part of our African Scholar series. His presentation focused on a case study on MERET (Managing Environmental Resources to Enable Transition) to more sustainable livelihoods. Dr Bewket used the platform to show the positive impacts of ecosystem rehabilitation and restored services by sharing a number of before and after pictures of a number land and water sites in Ethiopia.

Prof Imre Demhardt (University of Texas) visited the Department in July 2010. During his visit he gave a presentation on “Alexander von Humboldt and the unveiling of the Americas”. This presentation was attended by academics from various disciplines, and was extremely well received within the institution.



Geographers with Prof Imre Demhardt (University of Texas), joined by some retired geographers, Nols Pienaar, Alet Harmse and Elri Liebenberg

In July 2010, Mr Rudi Pretorius attended a workshop on problem based learning at the University of Leicester.

In July and November 2010, two one day seminars via a video conference link between the Unisa's regional office in Ethiopia and the main campus in Pretoria took place. During these seminars, the 10 doctoral students in Ethiopia presented their research for comment to the academics in the Department. The Department of Geography was the first to test this technology on the doctoral level. The academic discourse between peers and colleagues during this video conference was a resounding success.

Appointment of Academic Associates

Prof Elri Liebenberg, Prof Joan Fairhurst, Dr Lorraine Innes, and Dr Alet Harmse were appointed as academic associates in the Department of Geography.

Awards

Mrs Anna de Jager was awarded the Principals Prize for Excellence in Tuition. This is the second such award to be bestowed on the Department of Geography, with Mr Rudi Pretorius, who received the award in 2009.

Publications

Articles

De Jager, AE, How dull is Dullstroom? Exploring the Tourism Destination Image of Dullstroom, *Tourism Geographies*, August 2010, Vol 12 No 3 page 349-370

Harmse, AC, Node selection for the Integrated Sustainable Rural Development Programme in South Africa, *Development Southern Africa* Vol 27, No 3, September 2010

Hedding, DW, Some Observations on the Formation of an Active Pronival Rampart at Grunehogna Peaks, Western Dronning Maud Land, Antarctica Permafrost and Periglacial Processes 2010, in press

Completed theses and dissertations for the 2010 academic year

Moyo, I. MA Geography. 2010. Migration, poverty and development: a case study of Zimbabwean migrant teachers in South Africa. Supervisor, M Nicolau

Student Numbers

Level	Number
First year	1653
Second year	787
Third year	328
Honours	161
Masters	65
Doctoral	32

UNIVERSITY OF THE FREE STATE

Department of Geography

Head/Chair of Department

Name	E-mail	Office Telephone Number
Prof. Peter Holmes	holmespj@ufs.ac.za	+27 51 401 2255

Academic staff members in the Department

Name	Position	Office Telephone number
<i>Bloemfontein Campus</i>		
Prof. Gustav Visser	Professor	051 4013762
Dr Charles Barker	Senior Lecturer	051 4012554
Dr Shirley Brooks	Senior Lecturer	0514012183
Ms Eldalize Kruger	Lecturer	
Ms Tobeka Mehlomakhulu	Lecturer	
Ms Sheila Vrahimis	Lecturer	051 4019532
Ms Mulalo Rabumbulu	Junior Lecturer	051 4013521
<i>Qwa Qwa Campus</i>		
Dr Hennie Claassen	Senior Lecturer	0587185487
Mr Alex Adjei	Lecturer	0587185477
Dr Geoffrey Mukwada	Lecturer	
Ms Merle Naidoo	Lecturer	0587185422

Overview

2010 saw further growth in student numbers on both the Bloemfontein and Qwaqwa campuses, with a record enrolment of over 600 first years on the Qwaqwa campus. New staff members Dr Geoffrey Mukwada and Ms Merle Naidoo took up their posts at Qwaqwa, and this helped to alleviate the situation. Staffing remained unchanged on the Bloemfontein campus. Prof Margaret Marker, retired Professor of Geography at Fort Hare, was appointed as a research associate. She and Prof Holmes continue to undertake collaborative research. Dr Dan Hammett (University of Sheffield) was appointed as an affiliated researcher in the department and will work on collaborative projects with Prof Gustav Visser. Prof Visser was also informed that his new NRF rating (previously Y1) would be C1 as from the start of 2011. The Department

congratulates him on this well-deserved achievement. Dr Charles Barker acted as Head of Department for the second semester in the absence of Prof Holmes on leave.

Conference attendance and special presentations

Prof Holmes was an invited key-note speaker at the arid Zone ecology Forum's annual meeting, held at the Gariep Dam in August. His talk was entitled *Erosion processes in marginal Karoo environments; recent trends*. Prof Gustav Visser organised and co-hosted a study group meeting on behalf of the International Geographical Union's Commission on Tourism, Leisure and Global Change. Forty of the world's leading academics in tourism research addressed the theme *Global change and economic crisis in tourism*. Dr Shirley Brooks was interviewed on national radio for SAFM's programme "Science Matters" in early November. This was in response to her article on qualitative approaches to environmental risk assessment published in the *South African Journal of Science*.

Postgraduate students

Significant progress was made in advancing the joint, ongoing research programme on game farming led by Dr Shirley Brooks and Prof Marja Spierenburg from the Vrije Universiteit in the Netherlands. Funding was obtained from the Dutch funding agency NWO-WOTRO to support two fulltime doctoral students in the Department of Geography, to be supervised jointly by Dr Brooks and Prof Spierenburg. After a competitive selection process, Mr Tariro Kamuti and Ms Jenny Josefsson were awarded these prestigious scholarships and began work on their doctorates in 2010. Mr Kamuti's study focuses on the role of the state and governance issues related to private game farming, while Ms Josefsson's study focuses on the farm dweller communities affected by these processes of agrarian change in the South African (and specifically the KwaZulu-Natal) countryside.

In addition, Mr Mngqobi Ngubane was assisted by funding from the UFS research cluster on Poverty Alleviation and Sustainable Development to undertake research for his Masters degree on the relationship between game farming and land reform in KwaZulu-Natal province, with special emphasis on the emergence of community game farms. Dr Brooks and Mr Ngubane, who also received the J.S. le Roux award as the top Geography Honours student for 2009 at a Faculty function earlier in the year, conducted several fieldtrips to the KZN Midlands.

Mr Francois Deacon completed his MSc on the spatial ecology of small predators in the southern Free State under the supervision of Dr Barker. Ms Likelele Talime completed her MSc on aspects of Environmental Impact Assessments in Lesotho under the supervision of Ms Eldalize Kruger. Mr Gijsbert Hoogendoorn completed his PhD which focused on the economic impacts of second home development on host communities and their contribution to the development of post-productivist countrysides. The thesis was promoted by Prof Gustav Visser.

Launch of Critical Studies Group

An exciting interdisciplinary initiative was launched by Dr Brooks in September in collaboration with Prof Neil Roos, under the auspices of the nascent School of Postgraduate Studies. The focus of this initiative is a monthly seminar at which scholars from the University of the Free State, as well as visiting scholars from elsewhere present pre-circulated papers for discussion and constructive critique by a group of interested and committed peers. The initiative, in part a response to the University's call to promote an enriched academic culture on campus, is intended to strengthen collaborative and collegial relationships among UFS academics. It is hoped that a further spinoff will be to promote the publication of previously unpublished work by UFS-based academics. Dr Jennifer Houghton, a post-doctoral fellow in the Department of Geography, presented the first paper on the topic of "Theoretical engagements with urban development - thinking through 'entanglement' in contemporary Durban."

New Research Initiatives

Prof Holmes joined Prof Louis Scott (Plant Sciences) Prof Maitland Seaman (Centre for Environmental Management) and Doctors Mark Bateman (Sheffield) and Andrew Carr (Leicester) for fieldwork as part of a new, collaborative program investigating late Quaternary palaeoenvironments in the Langkloof of the southern Cape. This fieldwork took place in May. Preliminary results will be presented at the International Union for Quaternary Research (INQUA) conference in Bern, Switzerland in July 2011.

On the Qwaqwa campus, Dr Hennie Claassen, Dr Geoffrey Mukwada, Mr Pululu Mahasa and Ms Merle Naiodoo are involved in a research project investigating the economic viability of Black commercial farmers in the north eastern Free State, and how their situation has changed since 50 000 hectares of land was allocated to them in 1987. Identifying factors limiting production and viability, assessing coping strategies amongst farmers, and identifying measures to enhance productive capacity are amongst the main aims of this ongoing research.

Publications

Articles

Booyens, I. & Visser, G.E. 2010. Tourism SMME development on the urban fringe: the case of Parys, South Africa. *Urban Forum* 21: 367-385.

Brooks, S.J., Sutherland, C., Scott, D. & Guy, H. 2010. Integrating qualitative methodologies into risk assessment: insights from South Durban. *South African Journal of Science* 106(9): 1-10.

Carr A.S., Boom A, Dunajko, A.C., Bateman, M.D., Holmes, P.J. & Berrio, J-C. 2010. New evidence for the age and palaeoecology of the Knysna formation, South Africa. *South African Journal of Geology* 113 (3): 241-256.

Carr, A.S., Bateman M.D., Roberts, D.L., Murray-Wallace C.V., Jacobs, Z. & Holmes, P.J. 2010. The last interglacial sea-level high stand on the southern Cape coastline of South Africa. *Quaternary Research* 73: 351- 363.

Douglas, R.M., Holmes, P.J., & Tredoux, M. 2010. New perspectives on the fossilization of faunal remains and the formation of the Florisbad archaeozoological site, South Africa. *Quaternary Science Reviews* 29 : 3275-3285.

Hoogendoorn, G & Visser, G.E. 2010. The role of second homes in local economic development in five small South African towns. *Development Southern Africa* 27(4): 547-562.

Manatsa, D., Mukwada, G., Siziba E & Chinyanganya., T. 2010. Analysis of multidimensional aspects of agricultural droughts in Zimbabwe using the Standardized Precipitation Index (SPI). *Theoretical and Applied Climatology* 102: 287-305.

Marker, M.M. & Holmes, P.J. 2010. The geomorphology of the coastal platform in the southern Cape. *South African Geographical Journal* 92(2) 105-116.

Msilimba, G.G., & Holmes, P.J. 2010. Landslides in the Rumphu District of Northern Malawi: characteristics and mechanisms of generation. *Natural Hazards* 54: 657-677.

Staheli, L. & Hammett, D.P. 2010. Educating the new national citizen: education, political subjectivity and divided societies. *Citizenship Studies* 14(6): 667-680.

Visser, G.E. 2010. Leisurely lesbians in a small city in South Africa. *Urban Forum* 21: 171-185.

Visser, G.E & Hoogendoorn, G. 2010. The economic impact of second home development in small-town South Africa. *Tourism Recreation Research* 35(1): 55-66.

Reports

Seaman, M.T., Watson, M., Avenant, M.F., Barker, C.H., Buschke, F.T., Dennis, I., Esterhuyse, S., Joubert, A., Kemp, M.E., King, J., Le Roux P.A.L., Redelinghuys, N., Rossouw, L., Rowntree, K., Sokolic, F., van der waal, B., Van Rensburg, L.D., Van Tol, J.J. & Vos, A.T. 2010. *Catchment delineation, Site selection and Fieldwork for the Mokolo River Case Study. Testing a prototype methodology for Environmental Water Assessments in Non-perennial Rivers*. Deliverable 8; Report to Department of Water Affairs.

Seaman, M.T., Avenant, M.F., Watson, M., King, J., Armour, R.J., Barker, C.H., Dollar, E., Du Preez, P.J., Hughes, D., Rossouw, L. & Van Tonder, G.J. 2010. *Developing a method for determining the environmental water requirements for non-perennial systems*.

Chapters in books

Visser, G.E. 2010. *White gay women's leisure spaces in Bloemfontein, South Africa*. In *Sex and the sexual during people's leisure and tourism experiences*, edited by N. Carr & Y. Poria. United Kingdom, Newcastle: Cambridge Scholars. pp. 143-163.

Conference contributions

Avenant, M.F., Seaman, M.T., Armour, R.J., Barker, C.H., Du Preez, P.J., Hughes, D., King, J., Rossouw, L., Van Tonder, G.J. & Watson, M. 2010. *Southern African non-perennial rivers: proposing a new prototype methodology for assessing environmental water requirements*. Paper presented during the International Symposium on Flood Pulsed Wetlands, Maun, Botswana. 01-05 February.

Brooks, S.J. & Spierenburg, M. 2010. *Creating a commodified wilderness: tourism, private game farming and the construction of "third nature" landscapes in KwaZulu-Natal*. Paper presented during the 9th Northeastern Workshop on South Africa, Burlington, Vermont, United States of America. 9-11 April.

Brooks, S.J. 2010. *Transforming conservation landscapes? Reflections on change and continuity in post-apartheid South Africa*. Paper presented during the Annual Meeting of the Association of American Geographers, Washington DC, United States of America. 14-18 April.

Brooks, S.J. & Spierenburg, M. 2010. *Wildlife tourism and South Africa's rural crisis: Creating wilderness and restructuring labour (tenant) relations*. Paper presented during the Global Change and Economic Crisis in Tourism conference of the International Geographical Union Commission on Tourism, Leisure and Global Change, Stellenbosch, South Africa. 5-8 September.

Brooks, S.J. & Spierenburg, M. 2010. *Wildlife tourism and South Africa's rural crisis: Creating wilderness and restructuring labour (tenant) relations*. Paper presented during the Biennial Conference of the African Studies Association of the United Kingdom, Oxford, United Kingdom. 16-19 September.

Deacon, F., Avenant, N.L. & Barker, C.H. 2010. *Spatial ecology of damage caused by black-backed (Canis mesomelas) in the southern Free State*. Paper presented during the South African Wildlife Management Association, 40th Anniversary Symposium, Rustenburg, South Africa. 19-22 September.

Holmes, P.J. 2010. *Erosion processes in marginal Karoo environments; recent trends*. Invited keynote paper presented during the arid Zone Ecology Forum Annual Meeting, Gariep Dam, South Africa. 5-6 October.

Holmes, P.J. and Wiggs, G.F.S. 2010. *Wind erosion on ploughed land in the western Free State, South Africa*. Paper presented during the Biennial Conference of the South African Association of Geomorphologists, Grahamstown, South Africa. 2-5 September.

Janecke, B.B., Smit, G.N. and Barker, C.H. 2010. *Spatial and temporal variation in habitat use of some herbivore game species in a small fenced property, central Free State*. Paper presented during the 45th Annual Congress of the Grassland Society of Southern Africa, Kimberley, South Africa. 19-23 July.

Visser, G.F. & Hoogendoorn, G. 2010. *Second homes-led local economic development in five small towns in South Africa*. Paper presented during the Annual Conference of the Association of American Geographers, Washington DC, United States of America. 13-18 September.

University of Venda

Department of Geography & Geo-Information Sciences

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Dr. Nethengwe, N.S.	PGIS, GIS & Remote Sensing; Urban organization; Hazard/disaster studies & Cross-border trade; Water quality management	Nthaduleni.nethengwe2@univen.ac.za	+27 (0) 15 962 8593

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof. Musyoki, A.	Professor: Human Geography	Economic Geography	amusyoki@univen.ac.za	+27(0)15 962 8596
Dr. Nelwamondo, T.	Senior Lecturer	Tourism Geography	Tshililo.Nelwamondo@univen.ac.za	+27(0)15 962 8582
Ms. Nembudani, M.E	Lecturer	Population Geography & GIS	Madzinge.nembudani@univen.ac.za	+27(0)15 962 8590
Ms. Mudau, N.V	Lecturer	Rural Geography	Virginia.Mudau@univen.ac.za	+27(0)15 962 8591
Mr. Mokgoebo, M.J.	Junior Lecturer	Biogeography, Geomorphology, Natural Resource Management/ Economics, Remote Sensing & Geographic Techniques	Matjutla.Mokogoebo@univen.ac.za	+27(0)15 962 8587
Mr. Kori, E.	Junior	Geomorphology	Edmore.Kori@univen.ac.	+27(0)15 962 8565

	Lecturer	y /Climatology	za	
Ms. Mathivha, K	Lab Technician	Geographic Techniques, GIS/Remote Sensing; Population Geography	Khathu.Mathivha@univen.ac.za	+27(0)15 962 8000

Department News

The Department of Geography and Geo-Information Sciences has appointed Dr. Todd Ngara, a Zimbabwean national who is based in Denmark. Dr. Ngara is a climatologist/meteorologist who will join the University of Venda, during the second semester, 2011.

Honours Students attended the student's Geography conference at Rhodes University in Grahamstown and made presentations.

Professor A Musyoki developed a network of African Geographers who are working on an edited book entitled 'Environment and Development: Selected Themes from Eastern and Southern Africa'. The aim of this project is to celebrate and promote African scholarship in Geography and Environmental Studies. The book is due to be published in 2011 and is written in honour of Prof. MBK Darkoh who is based at the University of Botswana. Most of the members of this project are Prof. Darkoh's present and former students and colleagues.

The Department developed and submitted its new curriculum for approval.

Completed theses and dissertations for the 2010 academic year

Chiloane, D.P. 2010: An evaluation of the relationship between land degradation and rainfall fluctuation in the savannah drylands: a case study of Thulamela local municipality, Limpopo province [Supervisor; Mr. E. Kori].

Madilonga, R.L. 2010: An Evaluation of the relationship between agricultural land use and rainfall variability in the Nzhelele valley [Supervisor: Mr. E. Kori].

Malaka, S.F. 2010: Evaluation of soil quality impacts on Banana crop quality and yield in Tshitwani land Reform Project [Supervisor: Mr. M.J. Mokgoebo].

Manyaga, T. 2010: People's perceptions toward the conservation of wetland biodiversity in Limpopo Province: A case study of Thohoyandou town [Supervisor: Mr. M.J. Mokgoebo].

Mathada, H. 2010: An assessment of the Impacts of sand and Gravel Mining on Environmental Sustainability: A Case of Nzhelele valley. Unpublished Honours Dissertation, University of Venda [Supervisor: Mr. E. Kori].

Mararakanye, N. 2010: Gully Erosion mapping Using Remote sensing Techniques in the Capricorn District Municipality, Limpopo Province. Unpublished Honours Dissertation, University of Venda [Supervisor: Dr. N.S. Nethengwe].

Mayimele, T.L. 2011: An assessment of the progress of comprehensive rural development programme in the Muyexe village , Greater Giyani, Municipality, Limpopo Province [Supervisor: Ms. N.V. Mudau]

Mmbengeni, B. 2010: An assessment of the water supply and management in rural areas in Limpopo province: A case study of Budeli and Tshisele villages. Unpublished Honours Dissertation, University of Venda [Supervisor: Dr. N.S. Nethengwe].

Nemukula, N.L. 2010: An Evaluation of Urban and Rural land use change, Conflict and competition: Polokwane City and rural land Resitution Areas of Limpopo province, South Africa. Unpublished Doctoral thesis, University of Venda [Promoters: Prof. A. Musyoki & Dr. N.S. Nethengwe].

Netshirembe, A. 2010: An evaluation of land restitution and its contribution to livelihood of beneficiary communities: A case study of Tshakuma, Vhembe District, Makhado Municipality [Supervisor: Dr. T. Nelwamondo].

Nevondo, N. 2010: Firewood scarcity and its associated impacts on rural livelihoods and environment: A case of Tshikunda village, Limpopo province{Supervisor: Mr. M.J. Mokgoebo].

Ramasunga, P. 2010: Land resitution and the sustainability of women's rural livelihoods in Tshitwani, Limpopo Province, South Africa [Supervisor: Prof. A. Musyoki]

Theswane, K. 2010; The competition for land-use space in Thohoyandou, Thulamela municipality, Limpopo [Supervisor: Dr. T. Nelwamondo]

Tshavhungwe, T.A. 2010: The impacts of socio-economic activities on bio-diversity loss; A case study of Lukau and Marude villages, Thulamela municipality. Unpublished Honours Dissertation, University of Venda [Supervisor: Dr. N.S. Nethengwe].

Zhongo, K. 2010. The socio-economic andc political impacts of Immigranton in Musina municipality, Limpopo Province [Mrs. M.E. Nembudani].

Student Numbers

Level	Number
First year	250
Second year	180
Third year	80
Honours	20
Masters	08
Doctoral	03

UNIVERSITY OF THE WESTERN CAPE

Department of Geography and Environmental Studies

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Prof G H Pirie	Transport studies; urban	gpirie@uwc.ac.za	021 959 2160

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Mr M Boekstein	Lecturer	Tourism	mboekstein@uwc.ac.za	021 959 2329
Ms M Carolissen	Lecturer	Environment; Water	mboekstein@uwc.ac.za	021 959 3597
Mrs F de Wet	Admin Officer		fdewet@uwc.ac.za	021 959 2421
Mr M Dyssel	Lecturer	Environment; Remote sensing	mdyssel@uwc.ac.za	021 959 2426
Mr E McPherson	Senior Lecturer	GIS	emcpherson@uwc.ac.za	021 959 2668
Mr C Moodaley	Lecturer	Population	cmoodaley@uwc.ac.za	021 959 3893
Prof S Peberdy		Urban; Migration	speberdy@uwc.ac.za	021 959 2626

2010 dated publications

Boekstein, M. 2010: Students or Tourists: A Profile of English Language Learners in Cape Town, Tourism Recreation Research, 35.

Peberdy, S. 2010: Framing the May 2008 violence: an introduction to migration and urbanisation in South Africa. Report for Atlantic Philanthropies (available at www.atlanticphilanthropies.org.za and www.gcro.org.za).

Peberdy, S. and Jara, M.K. 2010: Taking control: civil society responses to the violence of May 2008. Report for Atlantic Philanthropies (available at www.atlanticphilanthropies.org.za and www.gcro.org.za).

Pirie, G.H., 2010: Trajectories of North-South city inter-relations: Johannesburg and Cape Town, 1994-2007. Urban Studies, 47(9), 1985-2002.

Mom, G., Norton, P., Clarsen, G. & Pirie, G.H., 2010: Mobility in History: Themes in Transport (Éditions Alphil, Neuchâtel, Switzerland, 2010).

Conference Presentation in 2010

Boekstein, M. 2010: Antarctic gateway cities as gatekeepers for sustainable tourism – exploring the role of Cape Town'. International Conference on Global Sustainable Tourism, 15-18 November, Nelspruit.

Dyssel, M. 2010: Resource use and conservation anomalies in private nature reserves in Western Cape. International Conference on Global Sustainable Tourism, 15-18 November Nelspruit.

Peberdy, S., 2010: National identities and South Africa's immigration policies. Selecting Immigrants: National Identity and South Africa's Immigration Policies, 1910-2008, Centre for Conflict Resolution, Cape Town, 29 April 2010.

Peberdy, S., 2010: Migration and domestic workers. Social Law Project: Exploited, Undervalued – and Essential: The Plight of Domestic Workers, University of the Western Cape, 7-8 May.

Completed theses and dissertations for the 2010 academic year

Manaliyo, J – C 2010: 'Tourism and multilingualism in Cape Town: language practices and policy. Unpublished MA dissertation, University of the Western Cape.

Student Numbers

Level	Number
First year	250
Second year	110
Third year	80
Honours	14
Masters	8
Doctoral	3

UNIVERSITY OF THE WITWATERSRAND**School of Geography, Archaeology and Environmental Studies**

Head/Chair of Department

Name	Area of specialisation	E-mail	Office Telephone Number
Professor Sadr K	Later stone age archaeology	Karim.sadr@wits.ac.za	011 717 6541

Academic and Administrative staff members in the Department

Name	Position	Area of specialisation	E-mail	Office Telephone number
Prof. Vogel C.	Professor	Climate change and climate variability science , adaptation and risk governance	Coleen.vogel@wits.ac.za	011 717 6510
Prof Dirsuweit T	ASPRO	Urban studies and cultural geography	Teresa.dirsuweit@wits.ac.za	011 717 6516
Prof Grab S	ASPRO	Climate change /Geomorphology	Stefan.grab@wits.ac.za	011 717 6512
Dr Patel Z.	Senior Lecturer	Environmental governance	Zarina.patel@wits.ac.za	011 717 6505
Dr Hoogendoorn G	Lecturer	Urban geography, small towns, second home tourism	Gijsbert.hoogendoorn@wits.ac.za	011 717 6521
Mrs Chamberlain C	Principal Tutor	Geography education / environmental education	Cheryl.chamberlain@wits.ac.za	011 717 6514
Ms Mambo J	Senior Tutor	Remote sensing/environmental change/GIS	Julia.mambo@wits.ac.za	011 717 6517
Ms Hardwick D	Senior Tutor	Geomorphology and special modelling/GIS	Devlyn.hardwick@wits.ac.za	011 717 6515

2010 dated publications

Hoogendoorn, G. 2010: Tweede verblijven in Zuid-Afrika, *Agora*, 26(3), 27-30.

Hoogendoorn, G. and Visser, G. 2010: Second homes and small town local economic impacts, *Development Southern Africa*, 27(4), 547-562.

Hoogendoorn, G. and Visser, G. 2010: Second homes and small town development in South Africa, *Tourism Recreation Research*. 31(1), 55-66.

Grab SW (2010). Drakensberg escarpment: Mountains of geomorphic diversity, *Geomorphological Landscapes of the World* (pp. 133-142). Dordrecht: Springer. 978-90-481-3054-2.

Vogel CH, Koch IC, van Zyl K (2010). "A persistent truth" - Reflections on drought risk management in southern Africa. *Weather Climate and Society*, 2 pp. 9 - 22.

Vogel CH, Mdludli T (2010). Challenges to achieving a successful transition to a low carbon economy in South Africa - examples from poor urban communities. *Mitigation and Adaptation Strategies for Global Change*, 3 pp. 205 - 222.

Vincent K, Cull TM (2010) Review of Seasons of Hunger: Fighting Cycles of Quiet Starvation Among the World's Rural Poor by Devereux, Vaitla B and Swan SH (1 ed.)

Grab SW, Nash DJ (2010). Documentary evidence of climate variability during cold seasons in Lesotho, southern Africa, 1833-1900. *CLIMATE DYNAMICS*, 34 pp. 473 - 499.

Nash DJ, Grab SW (2010). "A sky of brass and burning winds": Documentary evidence of rainfall variability in the Kingdom of Lesotho, southern Africa, 1824-1900. *CLIMATIC CHANGE*, 101 pp. 617 - 653.

Grab SW (2010). Alpine turf exfoliation pans in Lesotho, southern Africa: Climate-process-morphological linkages. *GEOMORPHOLOGY*, 114 pp. 261 – 275

Thornton AC, Kerslake M, Binns T (2010). Alienation and obligation: Religion and social change in Samoa. *ASIA PACIFIC VIEWPOINT*, 51 (1), pp. 1 - 16.

Thornton AC, Nel E, Hampwaye G (2010). Cultivating Kuanda's plan for self-sufficiency: Is urban agriculture finally beginning to receive support in Zambia?. *DEVELOPMENT SOUTHERN AFRICA*, 27 (4), pp. 613 - 625.

Hammett DP (2010). Zapiro and Zuma: A symptom of an emerging constitutional crisis in South Africa?. *POLITICAL GEOGRAPHY*, 29 pp. 88 - 96.

Hammett DP (2010). Ongoing contestations: The use of racial signifiers in post-apartheid South Africa. *SOCIAL IDENTITIES : JOURNAL FOR THE STUDY OF RACE, NATION AND CULTURE*, 16 (2), pp. 247 - 260.

Hampwaye G, Rogerson CM (2010). Economic restructuring in the Zambian Copperbelt: Local responses in Ndolo. *URBAN FORUM*, 21 pp. 387 - 403.

Fletcher M (2010). 'You must support Chiefs; Pirates already have two white fans!': Race and racial discourse in South African football fandom. *Soccer & Society*, 11 (1-2), pp. 79 - 94.

Conference Presentation in 2010

Hoogendoorn, G. 2010: "Towards a second home policy in small town South Africa." Paper presented at the 5th Annual Small Towns Conference. Hosted by Aspire, Province of the Eastern Cape: Economic development and environmental affairs and the Department of Cooperative Governance and Traditional Affairs. East-London, South Africa, October 2010.

Hoogendoorn, G. 2010: "Second homes, time and South Africa." Paper presented at the International Geographical Union (IGU) Tourism Research Group conference. University of Stellenbosch, South Africa, September 2010.

Hoogendoorn, G. and Visser, G. 2010: "Second home-led local economic development in five South African small towns." Paper presented at the Association of American Geographers Annual Conference, Washington, DC. United States of America, April 2010.

Completed theses and dissertations for the 2010 academic year

Clare Kelso (Phd): Kelso, C., 2010: On the edge of the desert – A Namaqualand story, 1800-1909 – Climate and socio economic drivers of decline. Supervised by Professor Coleen Vogel.

Omotayo Alade (MSc): Alade, O.L.,2010: characteristics of particulate matter over the South Africa industrialized Highveld. Supervised by Professor Stuart Piketh.

Jessica Lavelle (MSc): Lavelle, J.,2010: Factors influencing Human elephant conflict intensity: an assessment in the Bio Conservation Area, Ghana. Supervised by Dr Jennifer Lalley.

Candice-Joy Mc Kechnie(MSc) :Mc Kechnie C.,2010: Monitoring biomass burning emissions using satellite imagery for Southern Africa: Supervised by Professor Stuart Piketh.

Kogieluxmie Moodley(MSc): Moodley K.,2010: Education for sustainable development: Local and non govern mental organisations in Gauteng- practices. Supervised by Ms Cheryl Chamberlain.

Holly Hunt (MA): Hunt,H.,2010: African Safari Lodge food supply linkages: The potential for establishing 'pro-poor linkages'. Supervised by Professor Christian Rogerson.

Student Numbers

Level	Number
First year	133
Second year	82
Third year	63
Honours	8
Masters	22
Doctoral	19

Special Awards

Professor Coleen Vogel - received the Burtoni Award, an international award given by the adaptation community in recognition for her work on adaptation science and climate change diplomacy.

Please remember to send me your 2011 news in good time. Closing date for submission is 1 February 2012. Any suggestions for improving the 2012 newsletter will also be welcome!

Melanie Nicolau, Tel 011 471 2084, nicolmd@unisa.ac.za