

Division for Social Impact

Initiative by Theme: Environment & sustainability

3 November 2018



Initiative Title	Initiative Description	Initiative Owner	Faculty
Genadendal Honeybush Knowledge Partnership	Institutional partnershipThe Genadendal Honeybush Knowledge Partnership was established in 2013 with colleagues from Botany & Zoology (Prof. Alex Valentine), Conservation Ecology and Entomology (Associate Prof. Shayne Jacobs, Ms Rhoda Malgas), and Agronomy (Dr Marcellous le Roux). Over the last 6 years, we have produced 1 MSc, contributed to 1 completed PhD, and seen the completion of 9 honours level projects. The local land-users have also supported the work of two Dutch interns from Wageningen University (WUR), The Netherlands. Local informants in the GHKP have been instrumental to the development of graduate attributes, research and teaching and learning of students from Geography, Conservation Ecology and Entomology, and the MSc(Sustainable Agriculture) at SU.	Malgas, Rhoda Malgas [rmalgas@sun.ac.za]	AgriScience
Stellenbosch Kinderkinetics: The key to improving developmental skills for movement (KIDSmove)	Stellenbosch Kinderkinetics: KIDSmove is aimed at improving gross motor skills of selected foundation phase children in the Kylemore Community. The programme will focus on developing the children holistically through movement. Gross motor development and sport specific skills will be the core components of the programme. This initiative will be in collaboration with AITSA! Aftercare Centres, a non profit organisation aimed at improving opportunities for children in the Kylemore community.	Africa, EK, Dr [africa@sun.ac.za]	Education
Western Cape Forestry Sector Forum Representation	Academic representative on the Western Cape Forestry Sector Forum which is an organisation facilitated by DAFF to empower community forest ownership and management. It is a platform for communities living in and around forest areas to engage in participative management with government and companies for sustainable solutions.	Kunneke, Anton <ak3@sun.ac.za>	AgriScience

Integration of ICT and genomics to improve smallholder sheep farming systems	<p>This is a research project which involves the use of information and communication technology and genomics to improve smallholder sheep farming systems. The aim of this study is to increase the output of sheep production by smallholder farmers in the Western Cape. An increase in output will result in an increase of economic return through the marketing of sheep products (meat and wool). This will be done by implementing sound animal breeding and management programs. Information and communication technology will assist in the development of a smartphone application to record information on the breeding and management implemented by the farmers. Further on blood samples will be collected from sheep of smallholder farmers for DNA analysis which will be used to determine superior or elite individuals within their sheep flocks.</p>	<p>Molotsi, AH, Dr [annelind@sun.ac.za]</p>	<p>AgriScience</p>
Career Guidance in Forest and Wood Science	<p>Educating school learners about careers in Forest & Wood Science.</p>	<p>Crafford, PL, Mnr <pcrafford@sun.ac.za></p>	<p>AgriScience</p>
The Nyanga Arts Creative Workshops (nicknamed "Young Blood" by the participants)	<p>The Nyanga Arts Creative Workshops (nicknamed "Young Blood" by the participants) is a young collective that stemmed out of the Tupelo workshops held at Nyanga Arts Center. Velile Soha and Ledelle Moe have coordinated pilot workshops in September 2017 with a group of young learners from the area to begin and establish an ongoing and consistent biweekly Arts workshop at the center. Abongile, Nomusa Mtshali and Charles Palm have assisted in the classes bringing their unique creative insights as artists to the workshops. We will be introducing sculpture to the workshops and have plans to collaborate with local puppet and theatre artists, in the upcoming year ahead. In October this year the learners exhibited with the Black Ink collective at GUS Gallery in Stellenbosch. This venture allowed for a creative platform for all learners to meet and for the older members of our groups to explain the deep history behind the radical act of imagining and creating work over the years. Images of the workshop and exhibition can be found at - https://www.threedee Stellenbosch.com/copy-of-outside-1. This program is scheduled to continue this year (November 2017) and into next year (February - November 2018). The initiative seeks to develop and foster meaningful and sustainable relationships between artists at the Nyanga Arts Center and Stellenbosch University Visual Arts Department.</p>	<p>Moe, L, Me [ledelle@sun.ac.za]</p>	<p>Arts and Social Sciences</p>

Stellenbosch Kinderkinetics: KIDSmove (Autism Spectrum Disorder)	<p>Stellenbosch Kinderkinetics: KIDSmove is aimed at improving gross motor skills of selected children diagnosed with Autism Spectrum Disorder in the Somerset West and Mitchell's Plain areas. The programme will focus on developing the children holistically through movement. Gross motor development and sensory-motor stimulation will be the core components of the programme. This initiative will be in collaboration with Beacon School for LSEN Learners. The school is aimed at improving quality of life for children with Autism Spectrum Disorder, as well as providing therapies.</p>	<p>Africa, EK, Dr [africa@sun.ac.za]</p>	<p>Education</p>
Stellenbosch Kinderkinetics: KIDSmove (Childhood Apraxia of Speech)	<p>Stellenbosch Kinderkinetics: KIDSmove is aimed at improving fundamental gross motor skills of children who have Childhood Apraxia of Speech (CAS). This is a speech sound disorder in which children struggle to plan and execute exactly what they want to say. The programme that we as the Kinderkineticists will do focuses on developing the fundamental gross motor skills; including motor planning as a core component. This initiative will be in collaboration with Tygerberg Hospital School.</p>	<p>Africa, EK, Dr [africa@sun.ac.za]</p>	<p>Education</p>
Stellenbosch Kinderkinetics: KIDSmove (Down Syndrome)	<p>Stellenbosch Kinderkinetics: KIDSmove is aimed at improving gross motor skills of selected Down Syndrome children in the Somerset West and Mitchell's Plain areas. The programme will focus on developing the children holistically through movement. Gross motor development and sensory-motor stimulation will be the core components of the programme. This initiative will be in collaboration with The Michael Parks Foundation, a non-profit organisation, as well as Beacon School for LSEN Learners. Both the organisation and school are aimed at improving quality of life for children with Down Syndrome, as well as providing therapies.</p>	<p>Africa, EK, Dr [africa@sun.ac.za]</p>	<p>Education</p>
Stellenbosch Kinderkinetics: KIDSmove (Wellness Programme)	<p>Stellenbosch Kinderkinetics: KIDSmove is aimed at improving fundamental gross motor skills of children in the Jamestown and Bellville area. The programme will focus on developing the children holistically through wellness movement programmes. Gross motor development, sport-specific skills and dance will be the core components of the programme. This initiative will be in collaboration with two schools, namely; Weber Gedenk NGK Primary School and Bellpark Primary School.</p>	<p>Africa, EK, Dr [africa@sun.ac.za]</p>	<p>Education</p>
Promoting biodiversity conservation in the agriculture sector	<p>Talking to farmers at meetings and workshops to discuss the role that biodiversity plays in correct land usage</p>	<p>Pryke, JS, Dr [jpryke@sun.ac.za]</p>	<p>AgriScience</p>

Training Sessions in Water conservation for Schools	Training sessions for learners from local schools on the current water shortage and drought in the Western Cape region. Information on water conservation and alternative water sources is also provided.	Khan, W, Prof <wesaal@sun.ac.za>	Science
Imbovane: Exploring South African Biodiversity and Change Outreach Initiative	Imbovane is a curriculum-based education initiative focused towards Grade 10 life science learners at 18 schools across the Western Cape Province. Learners investigate the diversity and distribution of ants species in pristine (usually nature reserves) and modified landscapes (their school grounds). The hands-on nature of the project learners enables the learners to turn the abstract theory of biodiversity and how it changes over time into a well understood reality.	Du Plessis, D, Me <dorette@sun.ac.za>	Science
The Ingcungcu Initiative: Restoring migration routes for nectar feeding birds, building biodiversity leadership.	The City of Cape Town combines high human density with exceptionally high biological diversity. An ongoing challenge for the City is how to mitigate the impacts of the expanding city on its natural environment, while at the same time harness the benefits that biodiversity brings. A unique aspect of the Fynbos vegetation that surrounds the city is that the dominant shrubs depend on birds for pollination and subsequent seed production. However, the city is a barrier to the migration of these birds. The Ingcungcu Initiative tackles this problem by reopening a migration corridor for nectar-feeding birds across the City by planting gardens of bird-pollinated plants on school grounds. The corridor relinks isolated urban conservation areas, including the Table Mountain National Park, with the extensive Boland mountains around Stellenbosch. Simultaneously, the corridor connects urban school children to the wider natural world that surrounds them, making them active players in the creation of a more sustainable future. The Municipality is directly involved in the initiative through the involvement of team member Bongani Mnisi (head of Nature Conservation, City of Cape Town).	Pauw, Anton <apauw@sun.ac.za>	Science
Subject editor of European Journal of Forest Research	The European Journal of Forest Research publishes Research Articles and Reviews addressing the following subjects worldwide: - biological, ecological and socio-economic knowledge relevant to wood and forests - systems analysis and modeling of forests and landscape - forest ecology, conservation and management - forestry-to-wood production chain The European Journal of Forest Research is aimed at researchers, managers and policy makers. The published manuscripts deal with sustainable forestry, and describe new research findings to address ecological and economical problems. The subject editor receives publication manuscripts from his/her subject area and distributed to potential reviewers. If conflicts arise the editor has to resolve them.	Meincken, Martina, Prof [mmein@sun.ac.za]	Economic and Management Sciences

Avian Park Community Garden Club	Gardeners and interested community members from Worcester meet quarterly at the Avian Park Service Learning Center to exchange knowledge, skills and plants.	Duvenage, Catharina, Ms <miad@sun.ac.za>	Medicine and Health Sciences
Community Nutrition 478 - Health Promoting Schools	In South Africa, the Integrated School Health Policy (ISHP), launched at the end of 2012, which aims to build on and strengthen existing school health services. It recognises the WHO Health Promoting Schools concept as an important vehicle for expanding of health in communities. Furthermore, the Integrated Nutrition Programme of South Africa is seen as a key programme to support this policy and nutrition services are considered as part of the service delivery package. Dietitians and nutritionist have a very important role to fulfil in the context of the ISHP and it is essential that nutrition students are exposed to these roles and functions in their pre-service education and training.	Du Plessis, LM, Dr <Imdup@sun.ac.za>	Medicine and Health Sciences
CRSES Schools Programme	The Schools Programme provides Professional Development and Learning Materials for high school teachers on Renewable Energy.	Lambrechts, T, Mev <therese@sun.ac.za>	Engineering
Fire Safety Engineering for Informal Settlements	The Fire Engineering Research Unit in the Department of Civil Engineering is undertaking research to improve fire in informal settlements. This involves full-scale testing of shacks, testing of suitable smoke alarm technologies, modelling shack fire spread to better understand it, community surveys, development of forensic investigation guidelines, and more. The work is being carried out in collaboration with the Western Cape Disaster Management, Fire & Rescue Services along with the University of Edinburgh.	Walls, RS [rwalls@sun.ac.za]	Engineering
Scientific and technological initiatives to prevent biodiversity losses across commercial forestry landscapes	This initiative involves setting up and presenting at workshops on conservation / landscape ecology for forestry managers and their supply chain. This also involves linking up with WWF's New Generation Plantation Programme on plotting a more sustainable way forward for plantations in the future.	Pryke, JS, Dr [jpryke@sun.ac.za]	AgriScience