

Division for Social Impact

Initiative by Theme: Resources & infrastructure

3 November 2018



| Initiative Title | Initiative Description | Initiative Owner | Faculty |
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| Time study protocol development | This Time Study protocol was developed for the South African and international Forest Industry. These standards provide common but internationally compliant methodologies and their implementation will align the South African Forestry Industry with international forest operations development, productivity improvement and also forest operations systems modernisation. These standards have been accepted as the norm by South African Industry associates for use in the Industry. The protocol includes: Introduction to time study methodologies and forest operations research; It provides a decision support tool to help select the appropriate time study technique for different objectives; Documentation including the complete guidelines and time study background information forms; It also provides a statistical analysis decision support tools and prebuilt analysis code; It allows access to and instructions for android applications: The TimeStudy app and Deciminute Stopwatch; One of the main objectives is the development of a productivity database of raw time study and productivity data for access by contributing members. | Ackerman, Pierre [packer@sun.ac.za] | AgriScience |
| Roots and wings: Improving quality of life for beneficiaries of government-initiated affordable housing projects | It is well established that safe and secure homes can significantly improve the quality of life for communities and also more broadly, the life of the community. This works through promoting dignity and quality of life, but also via economic channels that ensure that household members have a secure asset and thus a deeper and more long-term stake in the specific community. While the government's affordable housing initiative has envisioned this, such benefits have often not materialised due to deficient beneficiary participation in the planning and construction process and poor and variable construction quality of houses. The quality of houses have often been so inadequate that the municipality could not confer title deeds, thus meaning that the houses are not legally recognised as transferable assets. Also, due to the lack of participation and the poor construction quality, the government has missed the opportunity to create a strong sense of ownership and to realise the full quality of life improvement associated with the transfer of a high quality brick house to a new beneficiary. The aim of the initiative is to introduce an accountability intervention in the | Von Fintel, Marisa, Dr [marisavonfintel@sun.ac.za] | Economic and Management Sciences |

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| | construction of subsidised government housing so as to improve the quality of the houses being constructed. | | |
| Community Nutrition 478 | Ensuring and supplying Primary Health Care services to previously disadvantaged communities is part of the bigger plan of addressing inequity in South Africa. The project entails rendering of health and nutrition services at Community - and Health facility levels. Relevant interactions and interventions at community-based and non-governmental organisation is an important focus after completion of a community profile. | Du Plessis, LM, Dr <Imdup@sun.ac.za> | Medicine and Health Sciences |
| Biomass characterisation for energy production | Measurement and analysis of the feasibility of various physical biomass properties for energy production | Meincken, Martina, Prof [mmein@sun.ac.za] | AgriScience |
| 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 |
| BotZoo Bafunde iLanga (BotZoo Sun Learn) | The Botany and Zoology Department's social outreach initiative (BotZoo Bafunde iLanga/BotZoo Sun Learn) is aimed at providing support for schools which do not have access to resources in order to teach Biology. We have identified a school (Floreat Primary School) on the Cape Flats, whose science laboratory serves as a focal point for several other schools in the area (Sullivan Primary School, Steenberg Primary School, Delta Primary School). Since the launch of Bafunde iLanga in 2016, we have contributed books to the school's library and equipment to their science laboratory. Moreover, we have also been engaging with the science teachers and learners, via visits to the school and hosting the learners at the Botany and Zoology Department. | Valentine, AJ, Prof <ajv@sun.ac.za> | Science |