

SIP# 250 Round 2

Title: TECHNOLOGY INTERVENTIONS ON YOUTH SMMES IN RURAL SOUTH AFRICA

Acronym: TIYSRSA

Submitted by:

Esther Njiro

DEMOPEDA Research and Training for Change, P.O. Box 904132, Pretoria 0043, South Africa

Tel 27129911169 Mobile 27726119445 Email estnjiro@mweb.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Growth, employment and competitiveness in a knowledge society

Type of project: R&D project (small scale)

Summary: The purpose of this study is to carry out an investigation of three critical areas identified as the main issues that constraint the youth entrepreneurs namely: funding, markets and lack of understanding of policies that affect their enterprises (Sauders 2002). This project will focus on the following themes so as to address the challenges to youth entrepreneurship in rural South Africa: • Rapid environmental analysis trying to find out the extent to which current provincial strategies contained in the LED/IDP plans are addressing the youth SMMEs in their programmes. • Assess the percentage of youth SMMEs in the LED/IDP supported enterprises and document the number of opportunities given to young women and men. • Determine the human and social capital development directed to the youth SMMEs and the overall contribution to the local development of the provinces. This will be measured by the gross value of trade. This study will advance this focus by addressing the following specific objectives: • Identify factors that constrain youth SMMEs from accessing markets for their products. • Find out the institutions that fund youth businesses and whether the youth have a clear knowledge of them. • Determine the extent to which young entrepreneurs are conversant with economic policies that affect their businesses.

Expertise offered: Dr Esther Njiro a socio-scientist and expert in socio-economic analysis, gender mainstreaming and innovative and competitive entrepreneurship. Prof. Seth Buatsi of Kwame Nkrumah University of Science and technology, Kumasi Ghana an expert economist with extensive research and analytical experience Mr. Marcus Wattam managing director Consultancy within Engineering, Environmental Science and Economics in Uganda.

Previous FP involvement: None

Consortium status: We already have researchers from three African countries namely: Ghana, Uganda and South Africa

Expertise sought: We require researchers from three EU countries to take the lead. We have not been successful in getting researchers from EU countries to take the lead in this area.

Related projects: None

SIP# 279 Round 2

Title: Understanding barriers to participation and cohesion

Acronym: BTPC

Submitted by:

Jaqui Goldin

University of Pretoria, P O Box 291981, Melville 2109

Tel 27 844380203 Mobile 27 844380203 Email goldin@tapafrica.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Socio-economic and scientific indicators

Type of project: R&D project (small scale)

Summary: Knowledge production and generation of trust enhance social well being, economic advancement and environmental resource management. The project will examine notions of belonging and social cohesion and how this has affected population movements and demographic profiles. The project will examine changes of time with a particular focus on gender and age cohorts to examine notions of belonging and social cohesion. The generation of knowledge can act as a conduit for social cohesion and enhance social well being, economic advancement and WRM. The involvement of the participants themselves in the research acts as a catalyst for change and the focus will be particularly on youth as catalysts for social cohesion and transformation. This will be carried out in a developing country context at the grassroots level where a model of best practice in knowledge sharing, gathering of indicators to better understand how to measure social cohesion and resilience will be documented and presented for replication within other developing country contexts

Expertise offered: Expert in notions of social capital, population trends, identity and belonging as well as action learning and building resilience using innovative technologies such as street theatre and puppets

Previous FP involvement: None

Details of previous FP involvement: TWIN BASIN project in FP 6

Consortium status: AWIRU, University of Pretoria; SALDRU, School of Economics, University of Cape Town, University of Pretoria Water Institute and France Eau, ECOLINK - environmental education NGO

Expertise sought: Similar experience in developing or developed country contexts, expertise in food crop production and rainwater harvesting because 'compliance' in this respect will be tested, expertise in analysis and stats advisory capacity

Related projects: South African national R&D programmes

SIP# 280 Round 2

Title: Growing with Others. Rhetorics of Global Inclusivity and Alternative Sovereignty.

Acronym: GORGIAS

Submitted by:

Philippe-Joseph Salazar

University of Cape Town, Centre for Rhetoric Studies, Private Bag, 7701 Rondebosch, South Africa

Mobile 082 902 1207 Email salazar@humanities.uct.ac.za

Theme: Socio-economic sciences and the humanities

Focus Area: Europe in the world

Type of project: Thematic network on specific research questions

Summary: Our object is to re-center the vexed question of a shared European civility, and the fundamentals of citizenship and civic identities, on what we term, in rhetoric studies, a “deficit in deliberation”, and to do so by activating the civic resources of rhetoric, and to use South Africa’s democratic reconciliation as a comparative test. We intend to identify “rhetorical” sites where citizenship construction encounters nodes of resistance regarding multiple identities, otherness, the will to engage or a deferral to authorities. We are approaching the concept of citizens’ access to deliberation as rhetorically-bound by specific exchanges regarding specific issues crucial to the European Union in this phase of its development and interaction with the “world of democracies”. They are: the uncertainty about inherited arguments about civic values definition, in a double tension (common law/continental law; and democratic/republican values); the deliberative effects of e-media and e-technology in enhancing (or obfuscating) civic awareness and an engaged, non-apathetic, public opinion, often inward looking; the deliberative positioning of women as deliberators whose function and agency differ from male-oriented public persuasion; the hardening of public debate concerning the Other, at the cultural and civic borders of/within an enlarged Europe (with specific attention to the “religious” arguments). Cross-cutting them, the proposal considers how “reconciliation”, the philosophical concept developed in South Africa, and which underpins the rhetorical, deliberative idea of democratic citizenship as a “concord of discordances” (Aristotle), lies at the deliberative core of the “Union” in its rapport with democratic cultures outside itself.

Expertise offered: The partners involved in the project count among the best specialists in the field of rhetoric studies, drawn across disciplines: two top schools of management (HEC-International and BI Norway), the Humanities area of CNRS (France), two leading programmes in rhetoric and democracy (in Sweden and in Cape Town - the former specialized in crisis management, the latter on SA democracy), one leading Humanities centre in Poland (Warsaw)(specialized in politics and journalism), the Slovenia-based EURICOM (communication and culture), a Hungarian team specialized in e-communication - just to name the main actors of the network. Their symbiosis of expertise is unique and has already a proven record of bi-lateral projects and task-based EU network in which the SA side has already played a leading role (details on record).

Previous FP involvement: Yes

Details of previous FP involvement: A tentative project was drafted but not submitted.

Consortium status: A network of partners who have already worked with the SA team and have indicated willingness to join a thematic activity.

Expertise sought: HEC-International, Paris, France. Leader: R Laufer, Air-France Chair of Marketing.BI Norway School of Management, Oslo, Norway. Leader: B vd Lippe, Professor of Rhetoric.CNRS, Paris, France. Leader: B Cassin, President of Scientific Council College International de Philosophy, Director Centre Leon Robin.EURICOM, Slovenia. Leader: S Splichal, Chair of Communication. University of Orebro, Sweden/Centre for Crisis Management. Leader: B Mral, Professor of Rhetoric.University Corvinus, Budapest, Hungary. Leader: I Kovats, Professor of Communication. OBTA, U of Warsaw, Poland. Leader: J Axer, Professor and Director. UCT, Centre for Rhetoric Studies, South Africa. Leader: PJ Salazar, Distinguished Professor in Rhetoric and Director. Polytechnic of Namibia, Department of Communication. Leader: Prof Jairos Kangira.

Related projects: None

SIP# 283 Round 2

Title: Intangible assets for the water sector

Acronym: IAWS

Submitted by:

Jaqui Goldin

University of Pretoria, P O Box 291981, Melville 2109, Johannesburg

Tel 27 844380203 Mobile 27 844380203 Email jagoldin@sybaweb.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Socio-economic and scientific indicators

Type of project: R&D project (small scale)

Summary: The project sets out to establish indicators for measuring the success - or lack thereof - of participatory processes in IWRM and includes measurements of awareness of water cycle, awareness of wise management, horizontal (between civil society organs) and vertical (between civil society and state) trust and to establish indicators to measure over time the strengthening of trust or reduction in trust that could jeopardise successful implementation of IWRM and basin management. The project aims also at building capacity amongst stakeholders to measure their own levels of trust and engagement as well as compliance to principles of IWRM and good practice

Expertise offered: Academic and theoretical expertise in Trust within context of a three year project funded by NUFU on Trust in Public Administration culminating in my own doctoral thesis entitled 'Trust and Transformation in the Water Sector'. Extensive experience in survey methods - both qualitative and quantitative working as a numerate anthropologist managing large and small scale surveys over a period of 10 years.

Previous FP involvement: Yes

Details of previous FP involvement: TWIN BASIN project in FP 6

Consortium status: Linkages with University of Cape Town School of Economics, University of Pretoria Water Institute, SADC Botswana and local NGO, NAPE Uganda

Expertise sought: Require statistical and other expert input to ensure rigour in creating indicators and in measurement indices.

Related projects: FP6

SIP# 292 Round 2

Title: Development of capacity to support evidence based decision making through indicator development and appropriate application

Acronym: WISEOWL

Submitted by:

Christopher Elphinstone

CSIR, Built Environment, PO Box 395, Pretoria 0001, South Africa

Tel +27 12 8414095 Mobile +27 0824620509 Email celphin@csir.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Socio-economic and scientific indicators

Type of project: R&D project (small scale)

Summary: Design and implementation of socio-economic indicators evidence based decision making creation of indexes indices capacity building development millennium development goals Service delivery

Expertise offered: Statistical survey methodology analysis

Previous FP involvement: None

Consortium status: CNRS: (Lamsade)

Expertise sought: Indicator design, decision making

Related projects: None

SIP# 304 Round 2

Title: Environments for Social Cohesion

Acronym: ESC

Submitted by:

Jeremy Gibberd

CSIR

Email jgibberd@csir.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Major trends in society and their implications

Type of project: R&D project (small scale)

Summary: The main aim of the research would be to establish key aspects of the relationship between the built environment and social cohesion. This would be carried out through social research, field work, data and spatial analysis and modelling and simulation.

Expertise offered: Building performance analysis modelling and simulation fieldwork research management

Previous FP involvement: None

Consortium status: Not current

Expertise sought: Social research, data analysis, modelling, spatial research

Related projects: None

SIP# 306 Round 2

Title: The feminisation of professions

Acronym: FP

Submitted by:

Mignonne Breier

Human Sciences Research Council, Private Bag X9182, 8000 Cape Town, South Africa

Tel +27 21 466 8089 Mobile 072 242 7575 Email mbreier@hsrc.ac.za

Theme: Socio-economic sciences and the humanities

Focus Area: Major trends in society and their implications

Type of project: R&D project (small scale)

Summary: This project is an international comparative study of the extent and impact of increasing numbers of women in traditionally male-dominated professions such as medicine, law, engineering, and the historical and continued dominance of women in professions such as nursing and social work. The study emanates from South Africa and as such provides potential for inter-continental cooperation that includes the experience of a developing country. In South Africa women are beginning to outnumber men in certain previously male dominated professional education programmes (eg medicine) but are not necessarily entering the professions to the same extent or in the same way. (For example, they are not specialising in certain key fields such as surgery). At the same time fields like nursing and social work remain predominantly female and, not insignificantly, underpaid. The extent of these trends and the social reasons impacting on them are explored.

Expertise offered: The researchers are currently involved in a study of Professions and Professional Education in South Africa which includes studies of medical practitioners, nurses, social workers, engineers and lawyers. The first pilot study on medical practitioners has been completed and published as a monograph entitled *Doctors in a Divided Society: the profession and education of medical practitioners in South Africa* by Mignonne Breier and Angelique Wildschut.

Previous FP involvement: None

Consortium status: No consortium at this stage.

Expertise sought: We seek partners who are likely to be social scientists (including educationists) with an interest in the professions and professional education and are willing to do qualitative research in an international comparative study.

Related projects: South African national R&D programmes

SIP# 316 Round 2

Title: Teaching undergraduate mathematics on the internet

Acronym: Webmathematics

Submitted by:

Johann Engelbrecht

University of Pretoria, Dept Mathematics and APM, 0002 Pretoria

Tel +2712 4202850 Email jengelbr@up.ac.za

Theme: Socio-economic sciences and the humanities

Focus Area: Foresight activities

Type of project: R&D project (small scale)

Summary: The World Wide Web is becoming wider at an increasing rate. It is virtually impossible to take any kind of accurate snapshot at one time of the state of its development. Undergraduate mathematics courses presented on the internet are relative newcomers to the race but are nevertheless increasing in numbers at the same phenomenal rate. Internet education is developing as a new mode of teaching with its own characteristics and possibilities, different from any traditional way of teaching. Research on this new mode of teaching is sparse and open research questions are temptingly plentiful. Speculation about the future in such a fluid environment is both risky and fascinating. In this study we will try to capture the world of internet teaching of mathematics with its myriad of possibilities. We will attempt to create some order in the huge number of activities that are available on the web. We will give an overview of the scope of mathematics courses presented via the web, attempt a graphical classification, discuss characteristics and implications of this mode of teaching/learning mathematics and try to envisage some possible future trends.

Expertise offered: * Extensive experience in developing a model that is used teaching undergraduate mathematics on the internet * Involved in a number of research projects evaluating the success of internet teaching * Have published a number of research papers, chapters in books and conference proceedings on internet teaching of mathematics.

Previous FP involvement: None

Consortium status: Collaboration with the University of Linkoping, Sweden

Expertise sought: University mathematics teachers that have experience in teaching on the internet.

Related projects: None

SIP# 321 Round 2

Title: Transformation tools for the knowledge society

Acronym: Knowcell

Submitted by:

Bob (Robert) Day

Non-Zero-Sum Development, PO Box 33007, Glenstatntia, Pretoria, 0010, South Africa

Tel 012 998 8456 Mobile 082 458 9119 Email bday@scientia.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Growth, employment and competitiveness in a knowledge society

Type of project: R&D project (small scale)

Summary: In the emerging knowledge society there are very few organisations and companies that understand what it means to become knowledge organisations. There are very few tools available to measure the effectiveness of an organisation's internal and external processes in this area. Existing tools that have been and are used for organisational transformation are more relevant to an industrial rather than a knowledge paradigm. Some work has already been undertaken, in Finland and South Africa, in developing innovative models and prototype tools to address this need. This work focuses on the interactions within and between small and dynamic groupings of people that operate, formally or informally, within and across organisations. The aim of this project is to build on this work, and in particular, to enhance these models and tools. The project will involve the following activities: - Assess the value of a range of existing approaches and tools to organisational transformation in a knowledge society; - Test the knowledge-oriented tools in a few organisations; - Simulate the knowledge-oriented models and tools using a dynamic systems modelling approach; - Enhance the knowledge-oriented tools. These activities will be undertaken using a cyclic, rather than a linear process, involving an ever-increasing range of organisational partners.

Expertise offered: The primary expertise offered is as follows: - Non-Zero-Sum Development: the "InfoCell" model/tool - Finland Futures Research Centre: organisational transformation tools and processes (theory and practice) - Dynamic Strategies (South Africa): dynamic systems modelling and process optimisation - Helsinki University of Technology (Dipoli): systems intelligence (theory and practice) - Department of Computer Science, Rhodes University: FOSS tool development

Previous FP involvement: None

Consortium status: The institutions already collaborating in this area are Dynamic Strategies, NZSD and Helsinki University of Technology. Other interested partners are the Finland Futures Research Centre, TNO (Delft) and the Link Centre.

Expertise sought: None

Related projects: International bilateral cooperation

SIP# 322 Round 2

Title: Visualisation tools for foresight studies

Acronym: VisFTR

Submitted by:

Bob (Robert) Day

Non-Zero-Sum Development, PO Box 33007, Glenstatntia, Pretoria, 0010, South Africa

Tel 012 998 8456 Mobile 082 458 9119 Email bday@scientia.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Foresight activities

Type of project: R&D project (small scale)

Summary: With the emergence of the knowledge economy and the recognition that incremental strategic processes are become less and less effective in both the public and private sectors, appreciation is growing of the value of futures studies and scenarios. Over the past 25 years there have been several small waves of Foresight techniques with dramatic results in a few cases, but disappointing results on a broader scale. Several analyses of this situation indicate that failures are often due to the use of tools without sufficient understanding of their pedigree and contextual efficacy. Tools can give a false sense of legitimacy where in fact they reflect confused or conflicting visions. There is anecdotal evidence that where such visions have been visualised through the adoption of visualisation techniques and tools, many of these problems have been minimised. However, much of these visualisation activities have been done, to date, in an ad hoc way, often within organisational and even departmental confines. There has been little concerted effort to rigorously evaluate and implement visualisation techniques in the futures studies arena. This project aims to both build a record of the visualisation techniques used to date, and to develop a set of visualisation tools in the context of futures studies methodology. The approach would be to review what has been done, using a wikipedia-based methodology, and then take the best ideas and build robust tools. The wikipedia-approach will also build a network of interested parties.

Expertise offered: The expertise offered is as follows: Infinite Futures, Oxford, UK: futures research and tools, applied in the public and private sectors in a European context. NZSD: ten years of Foresight and scenarios research and implementation expertise in an African context. Finland Futures Research Centre: a wealth of research knowledge on a global scale, plus wide-ranging implementation experience

Previous FP involvement: None

Consortium status: Potential members of the consortium include: Infinite Futures; Finland Futures Research Centre; NZSD; the Meraka Institute; the South African Millenium Project (SAMP) node

Expertise sought: Software development expertise

Related projects: None

SIP# 324 Round 2

Title: Learning objects (knowledge seeds) for education

Acronym: Knowseed

Submitted by:

Bob (Robert) Day

Non-Zero-Sum Development, PO Box 33007, Glenstatntia, Pretoria, 0010, South Africa

Tel 012 998 8456 Mobile 082 458 9119 Email bday@scientia.co.za

Theme: Socio-economic sciences and the humanities

Focus Area: Growth, employment and competitiveness in a knowledge society

Type of project: R&D project (small scale)

Summary: There is a growing realization of the importance of “learning objects” (perhaps better termed “knowledge seeds”) for education. One of the key drivers behind this trend is the commitment to making education available to all, and not to be restricted by the enormous investments in time and financial resources that would be required to fulfill this commitment using traditional teaching and learning approaches. An approach to education using knowledge seeds focuses not only on sharing existing knowledge, but on enabling co-creation and improvement of learning environments by everyone in their own context, to the benefit of all. There are several fundamental areas of research concerning knowledge seeds that will take years of sustained effort to resolve. For instance, the optimal size or granularity of a knowledge seed is poorly understood. This has to do with the trade-off between making a particular knowledge seed well-adapted to use in a particular context, versus making it highly reusable in a broad range of unspecified contexts. In a nutshell, the more adapted a knowledge seed is to a specified context, the less reusable it is in other contexts. The outputs of this project would include example, knowledge seeds, tools for producing knowledge seeds, and a global network of people who are working on knowledge seeds.

Expertise offered:

Previous FP involvement: None

Consortium status: Currently the collaborators would include: Rhodes University, NZSD, Helsinki University of Technology, University of Joensuu and Passi Silander

Expertise sought: Software development expertise focused on the building of learning objects / knowledge seeds

Related projects: None