SASUF Collaboration Funding
South Africa – Sweden University Forum

The South Africa-Sweden University Forum (SASUF) is a strategic internationalisation project running from 2017-2020 with the overall aim of strengthening ties between Sweden and South Africa in research, education and innovation. SASUF is a collaboration between 37 universities in Sweden & South Africa together with embassies, civil society organisations, funding agencies & ministries in both countries.

During 2017-2020 SASUF will:

- bring together researchers from Sweden & South Africa in seminars, exchanges & projects
- create innovative ways to approach internationalisation & utilise the power of digital tools in international collaboration
- connect researchers with funding agencies, industry, ministries & surrounding society in working towards the Sustainable Development Goals (SDGs)

SASUF has a budget of 22 000 000 SEK and is funded by STINT (Swedish Foundation for International Cooperation in Research and Higher Education), the participating universities, the National Research Foundation and the Department of Higher Education & Training in South Africa.

The third South Africa–Sweden Research & Innovation Week is postponed until COVID restrictions are removed. The next SASUF gathering will be SASUF Goes Digital: 2020 Edition from 23-27 Nov. This platform enables researchers to virtually meet and share research, collaborate, and maintain international collaboration while addressing the 6 targeted themes within SASUF’s main purview:

- Theme 1: Climate change, natural resources and sustainability.
- Theme 2: Education for a Sustainable Society.
- Theme 3: Social transformation through change: knowledge and social development strategies for society.
- Theme 4: Understanding the burden of disease in Sweden and South Africa and its impact on the health systems of the two countries in the future.
- Theme 5: Sustainable urbanisation, travel and tourism in the 21st Century
- Theme 6: Digital technologies, big data and cybersecurity.

More information about SASUF:

www.sasuf.org
www.facebook.com/SouthAfricaSweden
Partners in SASUF
SASUF Collaboration projects

To strengthen collaboration between Sweden and South Africa in research, education and innovation the South Africa Sweden University Forum (SASUF) and the Department of Higher Education & Training (DHET) in South Africa, as part of its University Capacity Development Programme, has launched two calls for short-term collaborative projects between researchers in the two countries. Funds are designated for costs related to internationalisation activities, seminars and conferences.

SASUF supports 70 Collaboration Funding opportunities for researchers to build on or continue a new project idea that fosters collaboration between South Africa and Sweden.

Applicants must be employees at one of the partner universities of SASUF, and each project must have participants from at least two South African and two Swedish universities. Projects are required to connect to one or several of the UN Sustainable Development Goals1. Evaluation was based on:

1. The potential to initiate or further develop collaboration between Sweden and South Africa
2. The potential of the project to strengthen the international prospects of emerging researchers
3. A well-defined plan for sharing the results in the project to other stakeholders
4. The inclusion of non-academic actors like NGO’s and industry in the project activities

The following pages contain a list of each funded project, grouped by Theme. For more information about SASUF or the projects, please visit www.sasuf.org.

1 - UN Sustainable Development Goals: https://sustainabledevelopment.un.org/sdgs
SASUF Projects, 2018-2020

Project Name (alphabetical) ........................................................................................................... Page #

A Critical Turn in Higher Education - Challenging the Curriculum on Gender and Coloniality/Postcoloniality (CRITGENP) (2019) ................................................................. 11
A Critical Turn in Higher Education - Challenging the Curriculum on Gender and Coloniality/Postcoloniality (2020) ................................................................................. 12
Aligning the SDG Goals of Health (SDG 3) and Education (SDG 4) to the Burden of Diseases and Health Systems Responses in South Africa and Sweden ............................................ 15
Analysis of policy frameworks for ‘children in care’ in South Africa and Sweden: creating enabling environments for child participation that contribute to social change ..................... 14
Capacity building to improve maternal and child health in South Africa and Sweden, with focus on pregnancy outcomes in women with anaemia in rural areas of Vhembe district, South Africa ............................................................. 16
Changing patterns of smallholder farming in South Africa: implications for livelihood and food security in the context of climate change ................................................................. 10
Climate change mitigation and adaptation benefits of wilder rangelands ............................................. 9
Coastal Food Systems development for climate resilient, circular economies ..................................... 8
Connect City2Arts: Communicating ‘Inclusiveness, Safety, Resilience and Sustainability’ through Connecting Sciences to Arts ............................................................................................ 17
Creating a sustainable Education and Training system for supporting Accreditation and Mobility of scientists in Animal Research according to the European Directive ........................ 11
Cybertreaty.org: Global Sustainability through Cybersecurity ................................................................... 18
Data, Information and Knowledge Exchange for Higher Education Development .................................. 12
Demand Driven Evolution of Traditional Insect Foods through the Configuration of Traditional Ecological Knowledge ......................................................................................................... 14
Developing a Strategic Approach to Promoting Universal Health Coverage & SDG 3
Health Target Indicators for Maternal and Child Health in South Africa and Sweden ...................... 15
Developing collective academic scholarship using research in the Malmo Youth Sport Study (MYSS) and the Western Cape Sport School Study (WCSSS): exploring the possibilities for comprehensive national and international research collaboration .................. 12
Development of an informatics platform and collaboration framework for Biobanks and Bioinformatics ......................................................................................................................................... 19
Development of Rapid Method for the Detection of Protozoan Parasites in Environmental Samples ................................................................................................................................. 15
Digital Transformation in Africa: The growth of techno-optimism and pessimism .......................... 19
Diversity and health of pollinating insects and plants ............................................................................ 9
Drawing on Narrative Tools in Developing Inclusive and Participatory Educational Tools
Enhancing Sustainable Development High latitude atmosphere, Sea-ice and ocean
Sciences (High SeaS) ......................................................................................................................... 10
The Effect of Climate Change and Ultra-Processed Foods on the Double Burden of
Malnutrition ........................................................................................................................................ 10
Effectiveness of an mHealth intervention for overweight and obesity prevention in
school-going youth ........................................................................................................................... 14
Evaluation and mapping of sustainable water and wastewater treatment with
membrane processes in South Africa and Sweden ...................................................................... 10
Future Impact Today (FIT): Maternal and child health research and capacity
development partnership between South African and Swedish universities .................................. 16
The Future is Female: Empowering Women in South Africa ................................................................ 14
Inclusion of children with severe disabilities in education ................................................................. 12
Inequality, living standards and social networks of indigenous people in a settler colony:
A quantitative assessment ................................................................................................................ 13
Intention to use autonomous burn diagnosis and foreseen risks: a survey among clinical
staff and students ............................................................................................................................. 16
Knowledge Exchange on Prehospital Resource Optimization ................................................................. 8
Legitimacy dynamics, governance systems and resources requirements for rapidly
urbanising societies in South Africa ................................................................................................. 17
M-health intervention for distribution of health information to rural and economically
disadvantaged communities ................................................................................................................ 12
M-health intervention for obesity among school-going youth ............................................................. 13
Microbial diversity and biotechnology for a sustainable future .............................................................. 8
Migration, Gender and Health: sharing knowledge across national contexts ...................................... 13
Mobility needs of older adults in Sweden and South Africa: promoting health and
equitability- a collaboration project ................................................................................................. 16
NEPTTP/eSSENCE collaboration on Higher Education in e-Science/Data Science and
Engineering: The next step .................................................................................................................. 19
Network Testing and Fuzzing for a Reliable and Secure Internet of Things .............................................. 18
Open education and social justice: South African and Swedish perspectives ....................................... 11
Oral health disparities due to socioeconomic differences .................................................................... 15
Outcomes of the South-African Family-centered Early Intervention program at Carel du
Toit Centre for children with hearing impairment ........................................................................... 11
People and Ecosystems at Risk ................................................................................................................ 9
Pictorial support in person-centered care for children (PicPecc) - Development and
evaluation of e-health support for children with cancer as a complement and
facilitator in the meeting with health care professionals .................................................................. 16
Plant biotechnology - for a long-term sustainable future on Earth and beyond .................................. 9
Platform for studying and developing different frameworks/models for sharing threat
intelligence ............................................................................................................................................... 18
Postgraduate studies: Comparing South Africa and Sweden (2019) ..................................................... 11
Postgraduate studies: Comparing South Africa and Sweden (2020) ..................................................... 12
Precarity and Conviviality: Towards a Politics of Rejuvenating Democracy ............................................ 13
Pregnancy issues for women with heart disease - Interventions for support, increased knowledge and self-management .................................................................................................... 16
Promoting resilience among children towards education for a sustainable society.................................. 11
Quantification of tick load in cattle using artificial intelligence ............................................................... 19
(Re)configuring scholarship in higher education ....................................................................................... 12
Remote sensing and multispectral imaging for plants and food stuff to meet UNs SDGs .............................. 18
Renewable energy sources for powering electric vehicles in South Africa ............................................. 9
The Role of Education in Promoting Social Change in South Africa and Sweden (2019) ......................... 13
The Role of Education in Promoting Social Change in South Africa and Sweden (2020) ....................... 14
Rural, community-driven, small-scale aquaculture solutions for food security ...................................... 9
SA-SE Collaboration on Higher Education in eScience/Data Science and Engineering:
   Joining forces of NETPPT and eSSENCE ............................................................................................ 18
Society based intervention to combat childhood obesity in South Africa and Sweden -
   ECHO zone South Africa and ECHO zone Sweden (2019) .................................................................. 15
Society based intervention to combat childhood obesity in South Africa and Sweden (ECHO) (2020) ........................................................... 16
Spatial challenges from peri-urban expansion of small rural towns in South Africa .............................. 17
Sustainable plant, soil and arthropod management - towards a safe, productive and
diverse biosphere .................................................................................................................................... 8
Symptom Management for Children with Cancer ................................................................................. 15
Sustainable and safe mobility – a prerequisite for transport-effective societies: Mapping
c and connecting transportation researchers and research centers in Sweden and
South Africa ............................................................................................................................................. 17
Understanding the design factors for diabetes information sharing when using health
information kiosks A Citizen-Centric Approach to Healthcare Management ............................................ 16
Unpacking rural differentiation in South Africa as a policy challenge ..................................................... 17
User-centric Identity Management for IoT environments ........................................................................... 18
"Violence on the global map: “Street science” for challenging norms and practices" .................................. 14
Water Resources Management for Small Catchments Under Climate Change and
   Anthropogenic Pressures Delivering Hope to Disadvantaged Communities (HOPE) ......................... 8
Who Runs the World? Women and Informal Finance: Now and Then ...................................................... 13
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Brief Description</th>
<th>Principal Investigators</th>
<th>Partner Universities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Resources Management for Small Catchments Under Climate Change and Anthropogenic Pressures Delivering Hope to Disadvantaged Communities (HOPE)</td>
<td>Deliver timely and novel water resources management solutions for pressurised communities and industries via small catchments and sustainable treatment technologies.</td>
<td>Miklas Scholz <a href="mailto:miklas.scholz@tvrl.lth.se">miklas.scholz@tvrl.lth.se</a>  Philiswa N. Nomngongo <a href="mailto:pnnomngongo@uj.ac.za">pnnomngongo@uj.ac.za</a></td>
<td>University of Johannesburg  Lund University  University of the Free State  University of Gothenburg  Umeå University  Tshwane University of Technology  Durban University of Technology  University of Venda  Central University of Technology  Vaal University of Technology</td>
</tr>
<tr>
<td>Knowledge Exchange on Prehospital Resource Optimization</td>
<td>Stimulate a cross-disciplinary research collaboration and knowledge exchange between Sweden and South Africa to enable transparent decision-making and optimal resource utilisation in the medical field.</td>
<td>Johanna Björklund <a href="mailto:johanna.bjorklund@umu.se">johanna.bjorklund@umu.se</a>  Brink van der Merwe <a href="mailto:abvdm@cs.sun.ac.za">abvdm@cs.sun.ac.za</a></td>
<td>Stellenbosch University  Umeå University  University of Gothenburg  University of Cape Town</td>
</tr>
<tr>
<td>Sustainable plant, soil and arthropod management - towards a safe, productive and diverse biosphere</td>
<td>Create a Swedish-South African research forum to expand on energy, food, and sustainable ecosystems to promote the health and diversity of the environment.</td>
<td>Natuschka Lee <a href="mailto:natuschka.lee@umu.se">natuschka.lee@umu.se</a>  Rasheed Adeleke <a href="mailto:adeleker@arc.agric.za">adeleker@arc.agric.za</a></td>
<td>North-West University  Umeå University  Lund University  University of Pretoria  Uppsala University</td>
</tr>
<tr>
<td>Coastal Food Systems development for climate resilient, circular economies</td>
<td>Find novel ways to increase climate-resilient, healthy and protein-rich food production for a growing population.</td>
<td>Elisabeth Jönsson Bergman <a href="mailto:elisabeth.jonsson@bioenv.gu.se">elisabeth.jonsson@bioenv.gu.se</a>  Bernadette Snow <a href="mailto:Bernadette.snow@mandela.ac.za">Bernadette.snow@mandela.ac.za</a></td>
<td>Nelson Mandela University  University of Gothenburg  Karlstad University  University of Fort Hare  University of the Western Cape</td>
</tr>
<tr>
<td>Microbial diversity and biotechnology for a sustainable future.</td>
<td>Use microorganisms and address diversity and their biotechnological applications for a sustainable and productive future, with a focus on microbial diversity and evolution, Nitrogen Fixation, soil microbial indicators, waste- and polluted-water treatment, and chemical and fuel production.</td>
<td>Peter Lindblad <a href="mailto:Peter.Lindblad@kemi.uu.se">Peter.Lindblad@kemi.uu.se</a>  Felix Dapare Dakora <a href="mailto:DakoraFD@tut.ac.za">DakoraFD@tut.ac.za</a></td>
<td>Tshwane University of Technology  Uppsala University  Umeå University  North-West University  University of Pretoria  Lund University</td>
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</tr>
</tbody>
</table>
| Rural, community-driven, small-scale aquaculture solutions for food security | Explore challenges and models for sustainable small-scale, affordable aquaculture that empowers and benefits the development of rural communities.                                                                                                                                                                                                                                                                   | Elisabeth Jönsson Bergman  
elisabeth.jonsson@bioenv.gu.se  
Bernadette Snow  
Bernadette.snow@mandela.ac.za                                                                 | Nelson Mandela University  
University of Gothenburg  
Swedish University of Agricultural Sciences  
University of Fort Hare  
Stellenbosch University                                                                                                                                 |
| Renewable energy sources for powering electric vehicles in South Africa     | Explore potential opportunities of powering electric vehicles in South Africa utilising renewable energy sources. Discuss environmental aspects and education involved with electric transportation.                                                                                                                                                                                                                                           | Jennifer Leijon  
Jennifer.leijon@angstrom.uu.se  
Mohamed Tariq Khan  
KhanT@cput.ac.za                                                                                                               | Cape Peninsula University of Technology  
Uppsala University  
University West  
University of the Western Cape                                                                                                                                 |
| Climate change mitigation and adaptation benefits of wilder rangelands      | Understand and utilise wilder rangelands as a solution to crucially impacted food security and rural livelihoods affected by climate change.                                                                                                                                                                                                                                                                             | Joris Cromsigt  
joris.cromsigt@slu.se  
Graham Kerley  
graham.kerley@mandela.ac.za                                                                                                   | Nelson Mandela University  
Swedish University of Agricultural Sciences  
Umeå University  
University of Fort Hare  
Rhodes University                                                                                                                                              |
| Diversity and health of pollinating insects and plants                      | Discuss and develop a cutting edge joint research and education program to explore the decline of health and diversity of pollinating insects linked to climate change.                                                                                                                                                                                                                                                                  | Natuschka Lee  
natuschka.lee@umu.se  
Rasheed Adeleke  
Rasheed.adeleke@nwu.ac.za                                                                                                           | North-West University  
Umeå University  
Swedish University of Agricultural Sciences  
University of Pretoria  
University of Venda  
Tshwane University of Technology                                                                                                                                 |
| People and Ecosystems at Risk                                               | Develop a Community of Practice to account for the risks to land and coastal ecosystems and their associated services in Sweden and South Africa.                                                                                                                                                                                                                                                                            | Regina Lindborg  
Regina.lindborg@natgeo.su.se  
Sheunesu Ruwanza  
s.ruwanza@ru.ac.za                                                                                                                    | Rhodes University  
Stockholm University  
University of Gothenburg  
University of Cape Town  
Swedish University of Agricultural Sciences  
Cape Peninsula University of Technology                                                                                                                                 |
| Plant biotechnology - for a long-term sustainable future on Earth and beyond | Develop a South African-Swedish research and education exchange program in Plant Biotechnology to address several UN goals related to stress tolerant plants and microbes, plant-based food production, pollution-cleaning microbes, antimicrobial resistance health issues, and other future sustainability challenges.                                                                                                                                   | Anita Sellstedt  
anita.sellstedt@umu.se  
Ntebogeng Mokgalaka  
mokgalagans@tut.ac.za                                                                                                               | Tshwane University of Technology  
Umeå University  
Uppsala University  
Lund University  
North-West University                                                                                                                                                                                                 |
<table>
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</table>
| **Drawing on Narrative Tools in Developing Inclusive and Participatory Educational Tools Enhancing Sustainable Development** | Increase participation in management of resources and transformation of society to using narrative resources. | Staffan Josephsson  
staffan.josephsson@ki.se  
Suraya Scheba  
suraya.scheba@uct.ac.za | University of Cape Town  
Karolinska Institutet  
KTH Royal Institute of Technology  
University of the Western Cape |
| **Changing patterns of smallholder farming in South Africa: implications for livelihood and food security in the context of climate change** | Initiate knowledge exchange activities and research collaboration to understand the reasons behind the decline in smallholder cropping in rural communities. | Klara Fischer  
klara.fischer@slu.se  
Sheona Shackleton  
sheona.shackleton@uct.ac.za | University of Cape Town  
Swedish University of Agricultural Sciences  
University of Gothenburg  
University of Johannesburg  
University of Venda  
Rhodes University |
| **High latitude atmosphere, Sea-ice and ocean Sciences (High SeaS)**        | Organise a one-week training school in Cape Town for the future generation of polar scientists for a multidisciplinary approach investigating the complex dynamics governing atmosphere-ice-ocean interactions. | Gabriele Messori  
gabriele.messori@geo.uu.se  
Marcello Vichi  
marcello.vichi@uct.ac.za | University of Cape Town  
Uppsala University  
Stockholm University  
University of Venda |
| **The Effect of Climate Change and Ultra-Processed Foods on the Double Burden of Malnutrition** | Assess the trend of double burden malnutrition; examine the relationship between climate-related events and household food consumption; project future climate impact. | Masoud Vaezghasemi  
masoud.vaezghasemi@umu.se  
Wayne C. Twine  
wayne.twine@wits.ac.za | University of Witwatersrand  
Umeå University  
University of the Western Cape  
Karolinska Institutet |
| **Evaluation and mapping of sustainable water and wastewater treatment with membrane processes in South Africa and Sweden** | Consolidate and disseminate the experience of efficient wastewater treatment and membrane processes. | Frank Lipnizki  
frank.lipnizki@chemeng.lth.se  
Heidi Richards  
heidi.richards@wits.ac.za | University of Witwatersrand  
Lund University  
KTH Royal Institute of Technology  
Vaal University of Technology |
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<tr>
<td>Open education and social justice: South African and Swedish perspectives</td>
<td>Promote and understand more socially just education at the tertiary level through open education.</td>
<td>Anne Algers&lt;br&gt; <a href="mailto:anne.algers@gu.se">anne.algers@gu.se</a>&lt;br&gt; Cheryl Hodgkinson-Williams <a href="mailto:cheryl.hodgkinson-williams@uct.ac.za">cheryl.hodgkinson-williams@uct.ac.za</a></td>
<td>University of Cape Town&lt;br&gt; University of Gothenburg&lt;br&gt; University West&lt;br&gt; University of the Western Cape</td>
</tr>
<tr>
<td>Postgraduate studies: Comparing South Africa and Sweden</td>
<td>Develop a network of scholars exploring institutional practices and policies for supervision in postgraduate studies in Sweden and South Africa.</td>
<td>Aimee Haley&lt;br&gt; <a href="mailto:aimee.haley@gu.se">aimee.haley@gu.se</a>&lt;br&gt; Maitumeleng Nthontho <a href="mailto:maitumeleng.nthontho@up.ac.za">maitumeleng.nthontho@up.ac.za</a></td>
<td>University of Pretoria&lt;br&gt; University of Gothenburg&lt;br&gt; Malmö University&lt;br&gt; University of Venda</td>
</tr>
<tr>
<td>A Critical Turn in Higher Education - Challenging the Curriculum on Gender and Coloniality/Postcoloniality (CRITGENP) yr 1</td>
<td>Explore diversity (gender and post/colonial aspects of Higher Education/Teacher Education curriculum), construct one course with complementing material on diversity, and develop strong links between researchers in South Africa and Sweden.</td>
<td>Kerstin von Brömssen&lt;br&gt; <a href="mailto:kerstin.von-bromssen@hv.se">kerstin.von-bromssen@hv.se</a>&lt;br&gt; Beverley Thaver <a href="mailto:bthaver@uwc.ac.za">bthaver@uwc.ac.za</a></td>
<td>University of the Western Cape&lt;br&gt; University West&lt;br&gt; Malmö University&lt;br&gt; University of Kwazulu-Natal&lt;br&gt; Walter Sisulu University&lt;br&gt; Karlstad University&lt;br&gt; Sol Plaatje University&lt;br&gt; Nelson Mandela University&lt;br&gt; University of Gothenburg</td>
</tr>
<tr>
<td>Outcomes of the South-African Family-centered Early Intervention program at Carel du Toit Centre for children with hearing impairment</td>
<td>Evaluate the outcomes of a South African Early Hearing Detection and Intervention program and focus on system evaluation.</td>
<td>Elina Måki-Torkko&lt;br&gt; <a href="mailto:elina.maki-torkko@oru.se">elina.maki-torkko@oru.se</a>&lt;br&gt; Diane Bell <a href="mailto:belld@cput.ac.za">belld@cput.ac.za</a></td>
<td>Cape Peninsula University of Technology&lt;br&gt; Örebro University&lt;br&gt; Uppsala University&lt;br&gt; Stellenbosch University</td>
</tr>
<tr>
<td>Creating a sustainable Education and Training system for supporting Accreditation and Mobility of scientists in Animal Research according to the European Directive</td>
<td>Explore animal health and welfare for socioeconomic wellbeing via animal science education conferences.</td>
<td>Matti Nikkola&lt;br&gt; <a href="mailto:matti.nikkola@ki.se">matti.nikkola@ki.se</a>&lt;br&gt; Albertus Mohr <a href="mailto:bert.mohr@uct.ac.za">bert.mohr@uct.ac.za</a></td>
<td>University of Cape Town&lt;br&gt; Karolinska Institutet&lt;br&gt; Lund University&lt;br&gt; University of the Free State</td>
</tr>
<tr>
<td>Promoting resilience among children towards education for a sustainable society</td>
<td>Identify learning opportunities and best practices for promoting resilience and agency among vulnerable children. This includes collaborative research discussions leading to enhancement of curricula in schools of social work.</td>
<td>Kerstin Svensson&lt;br&gt; <a href="mailto:kerstin.svensson@soch.lu.se">kerstin.svensson@soch.lu.se</a>&lt;br&gt; Jabulani Makhubele <a href="mailto:jabulani.makhubele@ul.ac.za">jabulani.makhubele@ul.ac.za</a></td>
<td>University of Limpopo&lt;br&gt; Lund University&lt;br&gt; Örebro University&lt;br&gt; University of KwaZulu-Natal&lt;br&gt; University of Fort Hare</td>
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<tr>
<td>Inclusion of children with severe disabilities in education.</td>
<td>Enable cooperation between researchers and students to include children with severe disabilities in educational contexts.</td>
<td>Jenny Wilder <a href="mailto:jenny.wilder@specped.su.se">jenny.wilder@specped.su.se</a> Shakila Dada <a href="mailto:shakila.dada@up.ac.za">shakila.dada@up.ac.za</a></td>
<td>University of Pretoria Stockholm University Uppsala University University of KwaZulu-Natal</td>
</tr>
<tr>
<td>Postgraduate studies: Comparing South Africa and Sweden Phase 2</td>
<td>Compare and contrast PhD students’ supervision in South Africa and Sweden in the educational sciences.</td>
<td>Karmen Johansson <a href="mailto:karmen.johansson@ped.gu.se">karmen.johansson@ped.gu.se</a> Maitumeleng Nthontho <a href="mailto:maitumeleng.nthontho@up.ac.za">maitumeleng.nthontho@up.ac.za</a></td>
<td>University of Pretoria University of Gothenburg University of Venda Malmö University</td>
</tr>
<tr>
<td>Developing collective academic scholarship using research in the Malmo Youth Sport Study (MYSS) and the Western Cape Sport School Study (WCSSS): exploring the possibilities for comprehensive national and international research collaboration.</td>
<td>Initiate and develop innovative research and quality postgraduate education in sport research with emerging scholars.</td>
<td>Tomas Peterson <a href="mailto:Tomas.peterson@mau.se">Tomas.peterson@mau.se</a> Lloyd Leach <a href="mailto:lleach@uwc.ac.za">lleach@uwc.ac.za</a></td>
<td>University of the Western Cape Malmö University Lund University Cape Peninsula University of Technology</td>
</tr>
<tr>
<td>(Re)configuring scholarship in higher education</td>
<td>Explore innovative scholarship in higher education and reconfiguring and transforming scholarly practices.</td>
<td>Hillevi Lenz Taguchi <a href="mailto:hillevi.lenz-taguchi@buv.su.se">hillevi.lenz-taguchi@buv.su.se</a> Vivienne Bozalek <a href="mailto:vbozalek@gmail.com">vbozalek@gmail.com</a></td>
<td>University of the Western Cape Stockholm University Cape Peninsula University of Technology Stellenbosch University Linköping University</td>
</tr>
<tr>
<td>A Critical Turn in Higher Education - Challenging the Curriculum on Gender and Coloniality/Postcoloniality</td>
<td>Identify and deepen the analysis of gender and colonial/postcolonial aspects in Curriculum Practices in Teaching Education.</td>
<td>Kerstin von Brömssen <a href="mailto:Kerstin.von-bromssen@hv.se">Kerstin.von-bromssen@hv.se</a> Beverley Thaver <a href="mailto:bthaver@uwc.ac.za">bthaver@uwc.ac.za</a></td>
<td>University of the Western Cape University West Karlstad University Sol Plaatje University</td>
</tr>
<tr>
<td>Data, Information and Knowledge Exchange for Higher Education Development</td>
<td>Model data from a South African higher education ecology to understand and support risks that can affect the quality of education and employability.</td>
<td>Salman Toor <a href="mailto:salman.toor@it.uu.se">salman.toor@it.uu.se</a> Neil Davies Evans <a href="mailto:EvansN@unizulu.ac.za">EvansN@unizulu.ac.za</a></td>
<td>University of Zululand Uppsala University KTH Royal Institute of Technology University of Witwatersrand</td>
</tr>
<tr>
<td>M-health intervention for distribution of health information to rural and economically disadvantaged communities</td>
<td>Identify strategies to distribute vital health information to patients and communities in 5 primary health care clinics using an internet- or server-based digital strategy.</td>
<td>William Jobe <a href="mailto:william.jobe@hv.se">william.jobe@hv.se</a> Karl le Roux <a href="mailto:karlleroux@gmail.com">karlleroux@gmail.com</a></td>
<td>Walter Sisulu University University West Karolinska Institutet Stellenbosch University</td>
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<tr>
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</tr>
</tbody>
</table>
| Inequality, living standards and social networks of indigenous people in a settler colony: A quantitative assessment | Establish a new research group with emerging scholars to study historical inequality concerning living standards among indigenous populations in colonial Africa, the khoesan in the Cape Colony. | Erik Green  
[erik.green@ekh.lu.se](mailto:erik.green@ekh.lu.se)  
Calumet Links  
[calumet.links@gmail.com](mailto:calumet.links@gmail.com) | Stellenbosch University  
Lund University  
University of Gothenburg  
University of the Western Cape |
| Migration, Gender and Health: sharing knowledge across national contexts    | Create a networking space for future research development to generate interdisciplinary knowledge on social inclusion of women migrants in both countries, focused on public healthcare in an urban context. | Vanja Berggren  
[vanja.berggren@med.lu.se](mailto:vanja.berggren@med.lu.se)  
Kira Erwin  
[KiraE@dut.ac.za](mailto:KiraE@dut.ac.za) | Durban University of Technology  
Lund University  
Uppsala University  
University of KwaZulu-Natal |
| Precarity and Conviviality: Towards a Politics of Rejuvenating Democracy    | Create an arena for converging ideas and fruitful new explorations among a group of South African and Swedish researchers with complementary interests in current challenges to democracy. | Oscar Hemer  
[oscar.hemer@mau.se](mailto:oscar.hemer@mau.se)  
Cheryl Stobie  
[stobiec@ukzn.ac.za](mailto:stobiec@ukzn.ac.za) | University of KwaZulu-Natal  
Malmö University  
Uppsala University  
University of the Western Cape  
Stellenbosch University |
| Who Runs the World? Women and Informal Finance: Now and Then                | Compare and highlight market structures, networks and effects of informal credit markets on households and communities between South Africa and Pre-Industrial Europe. | Elise Dermineur  
[elise.dermineur@umu.se](mailto:elise.dermineur@umu.se)  
Unathi Kolanisi  
[KolanisiU@unizulu.ac.za](mailto:KolanisiU@unizulu.ac.za) | University of Zululand  
Umeå University  
Lund University  
University of Venda |
| M-health intervention for obesity among school-going youth                  | Examine prevalence and risk factors associated with overweight and obese adolescents via three workshops to propose an effective prototype intervention. | William Jobe  
[william.jobe@hv.se](mailto:william.jobe@hv.se)  
Priscilla Reddy  
[preddy@hsrc.ac.za](mailto:preddy@hsrc.ac.za) | University of the Western Cape  
University West  
University of Gothenburg  
Rhodes University |
| The Role of Education in Promoting Social Change in South Africa and Sweden  | Explore how teachers support and contribute to education of learners as agents of change and how learners self-perceive their role. | Lena Zander  
[lena.zander@fek.uu.se](mailto:lena.zander@fek.uu.se)  
Lindelani Mnguni  
[mngunle@unisa.ac.za](mailto:mngunle@unisa.ac.za) | University of South Africa  
Uppsala University  
Umeå University  
Nelson Mandela University  
University of Zululand |
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</tr>
</thead>
</table>
| Effectiveness of an mHealth intervention for overweight and obesity prevention in school-going youth | Build upon literature and data on overweight/obese adolescents, examine links with risk factors and devise an m-health program to provide support to change health-related behaviour. | William Jobe  
[william.jobe@hv.se]  
Priscilla Reddy  
[preddy@hsrc.ac.za]                                                                 | Nelson Mandela University  
University West  
University of Gothenburg  
Rhodes University                                      |
| The Role of Education in Promoting Social Change in South Africa and Sweden | Continue to explore how teachers support and contribute to education of learners as agents of change and how learners self-perceive their role.                                                                                 | Lena Zander  
[lena.zander@fek.uu.se]  
Lindelani Mnguni  
[mngunle@unisa.ac.za]                                                                 | University of South Africa  
Uppsala University  
Umeå University  
Nelson Mandela University |
| "Violence on the global map: "Street science" for challenging norms and practices" | Arrange two workshops for capacity building and discussions on norm critical pedagogy and research for violence in peri-urban communities in South Africa and Sweden in a global context. | Elisabeth Dahlborg  
[Elisabeth.dahborg@hv.se]  
Penelope Engel-Hills  
[engelhills@cp.ac.za]                                                                 | Cape Peninsular University of Technology  
University West  
Karlstad University  
Nelson Mandela University |
| Analysis of policy frameworks for ‘children in care’ in South Africa and Sweden: creating enabling environments for child participation that contribute to social change | Create an initiative to contribute knowledge and social development strategies for social change through child agency and participation to promote future well-being for children in the care of the state. | Linda Mossberg  
[Linda.mossberg@hv.se]  
Ulene Schiller  
[uschiller@ufh.ac.za]                                                                 | University of Fort Hare  
University West  
University of Gothenburg  
University of Pretoria  
Sol Plaatje University  
Stellenbosch University  
Lund University |
| Demand Driven Evolution of Traditional Insect Foods through the Configuration of Traditional Ecological Knowledge | Translate science into practice through participatory dialogues, contribute to the operationalisation of SDGs, and add to and synthesise information on edible insects and the role and importance of preserving indigenous knowledge. | Linley Chiwona-Karltun  
[Linley.karltun@slu.se]  
Lloyd Baiyegunhi  
[Baiyegunhil@ukzn.ac.za]                                                           | University of KwaZulu-Natal  
Swedish University of Agricultural Sciences  
Stockholm University  
Stellenbosch University |
| The Future is Female: Empowering Women in South Africa                        | Continue investigation from previous grant, develop and extend to female entrepreneurship, and strengthen Swedish and South African cooperation. | Elise Dermineur Reuterswärd  
[Elise.dermineur@umu.se]  
Unathi Kolanisi  
[Kolanisi@ukzn.ac.za]                                                          | University of Zululand  
Umeå University  
Karlstad University  
University of Venda |
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</table>
| Aligning the SDG Goals of Health (SDG 3) and Education (SDG 4) to the Burden of Diseases and Health Systems Responses in South Africa and Sweden | Develop a collaborative research, education and training program among participating institutions to investigate the burden of diseases in Sweden/South Africa to enhance the monitoring & evaluation of target indicators. | Per-Olof Östergren  
[per-olof.ostergren@med.lu.se](mailto:per-olof.ostergren@med.lu.se)  
Nokuthula Sibiya  
[nokuthulas@dut.ac.za](mailto:nokuthulas@dut.ac.za) | Durban University of Technology  
Lund University  
Uppsala University  
Nelson Mandela University |
| Symptom Management for Children with Cancer                                | Implement person-centered care in the healthcare of children to improve their symptom management and care.                                                                                                            | Stefan Nilsson  
[stefan.nilsson.4@gu.se](mailto:stefan.nilsson.4@gu.se)  
Ensa Johnson  
[ensa.johnson@up.ac.za](mailto:ensa.johnson@up.ac.za) | University of Pretoria  
University of Gothenburg  
University of the Free State  
University West  
Uppsala University  
University of the Western Cape |
| Society based intervention to combat childhood obesity in South Africa and Sweden - ECHO zone South Africa and ECHO zone Sweden | Implementing environments promoting access to healthy choices for food, activity and sleep to combat childhood obesity in an international collaboration.                                                              | Peter Bergsten  
[peter.bergsten@mcb.uu.se](mailto:peter.bergsten@mcb.uu.se)  
Sindiwe James  
[Sindiwe.James@mandela.ac.za](mailto:Sindiwe.James@mandela.ac.za) | Nelson Mandela University  
Uppsala University  
Umeå University  
University of Fort Hare  
University of Cape Town |
| Oral health disparities due to socioeconomic differences                   | Study resilience factors in individuals in socioeconomically disadvantaged areas who maintain positive oral health and disseminate the findings to promote sustainable health and well-being. | Marie Nordström  
[marie.nordstrom@mau.se](mailto:marie.nordstrom@mau.se)  
Jeanné Oosthuysen  
[jeanneo@cut.ac.za](mailto:jeanneo@cut.ac.za) | Malmö University  
Central University of Technology  
Karlstad University  
University of Witwatersrand |
| Developing a Strategic Approach to Promoting Universal Health Coverage & SDG 3 Health Target Indicators for Maternal and Child Health in South Africa and Sweden | Investigate relevance, applicability and monitoring of the SDG 3 and 4 from a comparative perspective to align training and research programs related to disease.                                                      | Per-Olof Östergren  
[per-olof.ostergren@med.lu.se](mailto:per-olof.ostergren@med.lu.se)  
C C Jinabhai  
[champaklaji@cut.ac.za](mailto:champaklaji@cut.ac.za) | Durban University of Technology  
Malmö University  
Uppsala University  
University of Zululand |
| Development of Rapid Method for the Detection of Protozoan Parasites in Environmental Samples | Develop a Loop Mediated Isothermal amplification and Recombinase Polymerase Amplification technique for rapid and sensitive detection of human protozoan parasites in wastewater samples. | Johan Lindh  
[johan.lindh@icm.uu.se](mailto:johan.lindh@icm.uu.se)  
Faizal Bux  
[faizalb@dut.ac.za](mailto:faizalb@dut.ac.za) | Durban University of Technology  
Uppsala University  
University of Zululand  
Umeå University |
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<th>Partner Universities</th>
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<tbody>
<tr>
<td>Society based intervention to combat childhood obesity in South Africa and Sweden (ECHO)</td>
<td>Implementing environments promoting access to healthy choices for food, activity and sleep to combat childhood obesity in an international collaboration.</td>
<td>Peter Bergsten</td>
<td>Nelson Mandela University, Uppsala University, Umeå University, University of Fort Hare, University of Cape Town</td>
</tr>
<tr>
<td>Understanding design factors for diabetes information sharing when using health information kiosks: A Citizen-Centric Approach to Healthcare Management</td>
<td>Explore mutual exchange of data between citizen and device in understanding and providing disease related information.</td>
<td>Carl Johan Orre, Greg Foster</td>
<td>Rhodes University, Malmö University, University of Gothenburg, University of Fort Hare</td>
</tr>
<tr>
<td>Mobility needs of older adults in Sweden and South Africa: promoting health and equityability- a collaboration project</td>
<td>Explore mobility needs of older adults to build collaboration, plan a larger study, and support the learning of emerging scholars.</td>
<td>Ann-Helen Patomella, Lana van Nieker</td>
<td>Stellenbosch University, Karolinska Institutet, Malmö University, University of Witwatersrand</td>
</tr>
<tr>
<td>Intention to use autonomous burn diagnosis and foreseen risks: a survey among clinical staff and students</td>
<td>Develop an image-based automated algorithm for acute burn diagnosis and investigate how well clinicians and medical students received the proposed solution.</td>
<td>Constance Boissin, Nikki Allorto</td>
<td>University of KwaZulu-Natal, Karolinska Institutet, University of Cape Town, Uppsala University</td>
</tr>
<tr>
<td>Pictorial support in person-centered care for children (PicPecc) - Development and evaluation of e-health support for children with cancer as a complement &amp; facilitator with health care professionals</td>
<td>Implement person-centered care in the healthcare of children to improve their symptom management and care, focusing on using a digital picture-based tool for communicative support.</td>
<td>Stefan Nilsson, Ensa Johnson</td>
<td>University of Pretoria, University of Gothenburg, Uppsala University, University West, University of the Free State, University of the Western Cape</td>
</tr>
<tr>
<td>Future Impact Today (FIT): Maternal and child health research and capacity development partnership between South African and Swedish universities.</td>
<td>Boost capacity development and research expertise in child survival in the womb and early life in terms of health, development and well-being.</td>
<td>Anneli Ivarsson, Corinna Walsh</td>
<td>University of the Free State, Umeå University, Stockholm University, North-West University</td>
</tr>
<tr>
<td>Pregnancy issues for women with heart disease - Interventions for support, increased knowledge and self-management</td>
<td>Increase awareness of the consequences of heart disease during pregnancy via support groups, interviews, and e-health interventions.</td>
<td>Malin Berghammer, Michelle Andipatin</td>
<td>University of the Western Cape, University West, University of Gothenburg, Central University of Technology, Umeå University</td>
</tr>
<tr>
<td>Capacity building to improve maternal and child health in South Africa and Sweden, with particular focus on pregnancy outcomes in women with anaemia in rural areas of Vhembe district, South Africa</td>
<td>Create a networking space for future research development in maternal health management through knowledge exchange sessions and capacity building workshops.</td>
<td>Vanja Berggren, Sonto Maputle</td>
<td>University of Venda, Karolinska Institutet, University of Gothenburg, University of Limpopo, Uppsala University</td>
</tr>
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<tr>
<td>Spatial challenges from peri-urban expansion of small rural towns in South</td>
<td>Map spatial configuration of three small towns, explore the drivers of peri-urban</td>
<td>Nils Ekelund</td>
<td>University of Venda&lt;br&gt;Malmö University&lt;br&gt;University of Gothenburg&lt;br&gt;University of</td>
</tr>
<tr>
<td>Africa</td>
<td>expansion, determine impacts flowing from expansion on ecosystems services, and provide a framework for adaptive strategies on sustainable management in rural towns.</td>
<td><a href="mailto:Nils.Ekelund@mau.se">Nils.Ekelund@mau.se</a>&lt;br&gt;Emmaculate Ingwani <a href="mailto:ingwani@gmail.com">ingwani@gmail.com</a></td>
<td>Johannesburg&lt;br&gt;University of the Free State</td>
</tr>
<tr>
<td>Connect City2Arts: Communicating ‘Inclusiveness, Safety, Resilience and Sustainability’ through Connecting Sciences to Arts</td>
<td>Explore novel ways of connecting sciences to arts, convey deeper insights in city sustainability, and generate wider science impacts.</td>
<td>Zeinab Tag-Eldeen&lt;br&gt;<a href="mailto:Zeinab.tag.eldeen@slu.se">Zeinab.tag.eldeen@slu.se</a>&lt;br&gt;Monique Marks <a href="mailto:Moniquem@dut.ac.za">Moniquem@dut.ac.za</a></td>
<td>Durban University of Technology&lt;br&gt;Swedish University of Agricultural Sciences&lt;br&gt;Stockholm University&lt;br&gt;University of Witwatersrand&lt;br&gt;Stellenbosch University&lt;br&gt;Konstfack</td>
</tr>
<tr>
<td>Unpacking rural differentiation in South Africa as a policy challenge</td>
<td>Unpack rural differentiation via literature review on the context of rurality and small towns in the international and South African contexts.</td>
<td>Nils Ekelund&lt;br&gt;<a href="mailto:Nils.ekelund@mau.se">Nils.ekelund@mau.se</a>&lt;br&gt;Ronnie Donaldson <a href="mailto:rdonaldsonb@sut.ac.za">rdonaldsonb@sut.ac.za</a></td>
<td>Stellenbosch University&lt;br&gt;Malmö University&lt;br&gt;Swedish University of Agricultural Sciences&lt;br&gt;Central University of Technology&lt;br&gt;University of Zululand&lt;br&gt;University of KwaZulu-Natal</td>
</tr>
<tr>
<td>Sustainable and safe mobility – a prerequisite for transport-effective societies: Mapping and connecting transportation researchers and research centers in Sweden and South Africa</td>
<td>Map and connect transportation researchers focusing on sustainable mobility in Sweden and South Africa to advance research collaboration.</td>
<td>Johan Jansson&lt;br&gt;<a href="mailto:joohan.jansson@fek.lu.se">joohan.jansson@fek.lu.se</a>&lt;br&gt;Herrie Schalekamp <a href="mailto:herrie.schalekamp@uct.ac.za">herrie.schalekamp@uct.ac.za</a></td>
<td>University of Cape Town&lt;br&gt;Lund University&lt;br&gt;KTH Royal Institute of Technology&lt;br&gt;University of Pretoria&lt;br&gt;North-West University</td>
</tr>
<tr>
<td>Legitimacy dynamics, governance systems and resources requirements for rapidly urbanising societies in South Africa</td>
<td>Understand legitimacy dynamics, governance systems and resources requirements for rapidly urbanising societies in South Africa.</td>
<td>Peter Sjöström&lt;br&gt;<a href="mailto:peter.sjostrom@arkitektur.lth.se">peter.sjostrom@arkitektur.lth.se</a>&lt;br&gt;Simphiwe E Mini <a href="mailto:minise@unisa.ac.za">minise@unisa.ac.za</a></td>
<td>University of South Africa&lt;br&gt;Lund University&lt;br&gt;Swedish University of Agricultural Sciences&lt;br&gt;Stellenbosch University</td>
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<tr>
<td>User-centric Identity Management for IoT environments</td>
<td>Advance the state-of-the-art in Identity Management Systems for IoT environments from an end-user perspective.</td>
<td>Simone Fischer-Hübner <a href="mailto:simone.fischer-huebner@kau.se">simone.fischer-huebner@kau.se</a>, Jan Eloff <a href="mailto:jan.eloff@up.ac.za">jan.eloff@up.ac.za</a></td>
<td>University of Pretoria, Karlstad University, Uppsala University, University of Johannesburg, University of South Africa</td>
</tr>
<tr>
<td>SA-SE Collaboration on Higher Education in eScience/Data Science and Engineering: Joining forces of NETPPT and eSSENCE</td>
<td>Develop further and pilot activities between university consortia on higher education in eScience/Data Science and Engineering connected with state-of-the-art research activities in South African and Sweden.</td>
<td>Sverker Holmgren <a href="mailto:sverker.holmgren@it.uu.se">sverker.holmgren@it.uu.se</a>, Turgay Celik <a href="mailto:turgay.celik@wits.ac.za">turgay.celik@wits.ac.za</a></td>
<td>University of Witwatersrand, Uppsala University, Umeå University, University of Pretoria, North-West University, University of Limpopo, University of Venda, Sol Plaatje University</td>
</tr>
<tr>
<td>Cybertreaty.org: Global Sustainability through Cybersecurity</td>
<td>Contribute to global sustainability by examining the role that cybersecurity and data protection play in an increasingly digitalised world.</td>
<td>Fredrik Blix <a href="mailto:blix@dsv.su.se">blix@dsv.su.se</a>, Stephen Flowerday <a href="mailto:s.flowerday@ru.ac.za">s.flowerday@ru.ac.za</a></td>
<td>Rhodes University, Stockholm University, Örebro University, University of Cape Town</td>
</tr>
<tr>
<td>Network Testing and Fuzzing for a Reliable and Secure Internet of Things</td>
<td>Adapt and apply network fuzzing to IoT protocols/networks and educate students on recent techniques and tools to enhance security of systems and applications.</td>
<td>Konstantinos Sagonas <a href="mailto:kostis@it.uu.se">kostis@it.uu.se</a>, Gardner Mwansa <a href="mailto:gmwansa@wsu.ac.za">gmwansa@wsu.ac.za</a></td>
<td>Walter Sisulu University, Uppsala University, KTH Royal Institute of Technology, Central University of Technology, Stellenbosch University</td>
</tr>
<tr>
<td>Platform for studying and developing different frameworks/models for sharing threat intelligence</td>
<td>Create a platform for studying frameworks for sharing threat intelligence primarily within the contexts of academia.</td>
<td>Oliver Popov <a href="mailto:popov@dsv.su.se">popov@dsv.su.se</a>, Bruce Watson <a href="mailto:bwwatson@sun.ac.za">bwwatson@sun.ac.za</a></td>
<td>Stellenbosch University, Stockholm University, KTH Royal Institute of Technology, University of the Western Cape</td>
</tr>
<tr>
<td>Remote sensing and multispectral imaging for plants and food stuff to meet UNs SDGs</td>
<td>Discuss and compare techniques for remote sensing and non-invasive imaging within the areas of agricultural landscape and primary production, food stuff, and urban green spaces.</td>
<td>Erik Alexandersson <a href="mailto:erik.alexandersson@slu.se">erik.alexandersson@slu.se</a>, Paul Williams <a href="mailto:pauljw@sun.ac.za">pauljw@sun.ac.za</a></td>
<td>Stellenbosch University, Swedish University of Agricultural Sciences, Malmö University, University of the Western Cape</td>
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</tbody>
</table>
| Development of an informatics platform and collaboration framework for Biobanks and Bioinformatics | Create a network to support biobank-based research. Establish a cost-effective Laboratory Information Management System and training/capacity building.                                                             | Erik Bongcam-Rudloff  
Erik.Bongcam@slu.se  
Alan Christoffels  
alan@sanbi.ac.za                                                                                                      | University of the Western Cape  
Swedish University of Agricultural Sciences  
Karolinska Institutet  
Stellenbosch University |
| NEPTTP/eSSENCE collaboration on Higher Education in e-Science/Data Science and Engineering: The next step  | Connect MSc students in collaborative projects on newly designed data science courses and jointly develop course materials for privacy-preserving data analytics.                                                                 | Sverker Holmgren  
Sverker.Holmgren@it.uu.se  
Turgay Celik  
Turgay.Celik@wits.ac.za                                                                                      | University of Witwatersrand  
Uppsala University  
Umeå University  
University of Pretoria  
North-West University  
University of Limpopo  
University of Venda  
Sol Plaatje University |
| Quantification of tick load in cattle using artificial intelligence     | Use digitisation and deep learning to develop easy-to-use mobile phone based tools for efficient counting of ticks on livestock.                                                                                          | Patrik Waldmann  
Patrik.Waldmann@slu.se  
Terence van Zyl  
terence.vanzyl@wits.ac.za                                                                                   | University of Witwatersrand  
Swedish University of Agricultural Sciences  
Uppsala University  
Stellenbosch University |
| Digital Transformation in Africa: The growth of techno-optimism and pessimism | Analyse the realities of digitalisation in Africa, including ethical questions, power relations and politics, and information access and the digital divide.                                                              | Jakob Svensson  
Jakob.svensson@mau.se  
Ephias Ruhode  
RuhodeE@cpuf.ac.za                                                                                              | Cape Peninsula University of Technology  
Malmö University  
Linköping University  
University of Johannesburg |