



PROGRAMME

2022 The 14th SANORD International Conference

Theme:

"Finding Solutions, the nexus between SDGs and South North Partnerships: Prospects, challenges and successes during the Covid-19 era"

05-07 December 2022

University of Limpopo, Polokwane, South Africa



University of Limpopo @ULVarsity





VISION:

To be a leading African University focused on the developmental needs of its communities and epitomising academic excellence and innovativeness

MISSION:

A University which responds actively:

- To the development needs of its students, staff and communities,
- Through relevant and higher quality education and training, research and community engagement, and
- In partnership and collaboration with its stakeholders.

VALUES:

- Accountability
- Transparency
- Integrity
- Academic Freedom
- Excellence and Professionalism

2022 SANORD LOCAL ORGANISING COMMITTEE

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Thembinkosi Mabila

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- Muthelo Livhuwani
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- Kagaigai Alphoncina Kagaigai
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- Karen Ferreira-Meyers



Preamble

Prof Mahlo Mokgalong
Vice-Chancellor and Principal -
University of Limpopo

Not only are we proud to bring together trailblazers under one roof, but the theme of this gathering resonates well with our ambition to internationalise our University while remaining relevant in, and to, our environs. This simply means that we are tackling Africa's most pressing issues, which have a global impact.

But here's how our narrative goes, which is replete with poignant, yet watershed moments. We are a university that was founded in 1959 as a University College of the North as part of the apartheid regime's policy of separate ethnically-based institutions of higher learning. The College then served marginalised Sotho, Venda, and Tsonga communities. Despite the fact that it was established for segregation purposes, the diversity has since shaped unity among these groups, which were later collectively identified as Sovenga- the first two letters of Sotho and Venda words, as well as the last three letters of Tsonga. Since then, we have come to embrace



diversity and take a multifaceted approach to our daily interactions in academia.

Against this backdrop, hosting this prestigious conference as a University validates our audacious vision of "Finding Solutions for Africa." We recognise that our geographical location in the far north of the country, in the second poorest province, challenges us to go above and beyond in our academic endeavour. As a result, our core business involves community engagement in order to improve our engaged research and include the voice of our communities in our quest for a better South Africa. The theme of this conference, *"Finding Solutions: the Nexus between SDGs and South-North Partnerships: Prospects, challenges and successes during the COVID-19 era."* fits perfectly with our drive to become a world-class African university that is deeply rooted in finding globally sound solutions. We hope that by attending this conference, we will be able to expand our collaborations and participation as SANORD, and that we will be able to find protracted solutions together.

As I welcome you to this part of the global south, the African proverb "He who does not know one thing knows another" rings true. Everyone knows something, but no one knows everything. The global nature of the Sustainable Development Goals (SDGs) demonstrates that the world is facing similar challenges regardless of where one is on the compass. We are all confronted with and grappling with issues such as inequality, insufficient energy storage, poor access to clean water and sanitation, decent work, sluggish industrialisation, and climate change.

This is a time and chance to exchange solutions over the next three days, but it should not be the end of your discourse; instead, go on to create strong partnerships. "Rain does not fall on one roof alone," as Africans say, we need one another. This conference's proceedings are a festival of South-North innovation, and I want to believe they will resonate with Henry Ford's words that "coming together is a beginning, staying together is progress, and working together is success."

Welcome to sunny South Africa and the ever-diversified Limpopo Province, especially the Capricorn region. In both a literal and academic sense, the setting has positioned the University as a gateway to and from Africa. Our province literally shares borders with three countries: Mozambique, Zimbabwe, and Botswana. Again, we share borders with three provinces: the North-West, Gauteng, and Mpumalanga. Academically, we have grown into an integrated top-tier centre of excellence, having been the first institution in South Africa to establish a medical school since the country's democracy in 1994. This complemented our engaged research of over two decades of longitudinal studies on disease burdens, which now reaches over 100 000 people per year.

Our new Water and Sanitation programme was established in response to water challenges, and it is intended to directly contribute to the government's efforts to provide clean water to all of its citizens. We also launched a cathode materials centre - South Africa's first pilot plant in manganese beneficiation - which is a R30 million investment to tap into the manganese ore reserves and energy storage. South Africa possesses 80% of the global high-grade manganese ore reserves; this resource is a huge potential contributor to mineral beneficiation in the country.

Equally making notable strides is our Centre for Climate Change and Sustainability, which continues to engage in ground-breaking research in the pursuit of positive climate action. This is just a subset of a concerted effort towards sustainable development. Another African proverb says, "If you want to know the end, look at the beginning." We see this conference as the beginning of a long-term exchange of innovation with our South and North counterparts. As a University, we look forward to engaging with all of you and exchange expertise that will shed light on the path to the SDGs' Agenda 2030 targets.

Have a wonderful time in the City of Stars!



Foreword



Dr Thembinkosi Mabila
Chairperson: Local Organising Committee

Welcome to the 14th SANORD International Conference, hosted by the University of Limpopo (UL). This year's conference will have the theme *"Finding Solutions: The Nexus between Sustainable Development Goals (SDGs) and South-North Partnerships: Prospects, Challenges, and Successes during the COVID-19 Era."*

The COVID-19 pandemic exacerbated and comprised the previously existing inequalities: hunger, poverty, unemployment, and quality education, to mention a few. Nonetheless, the University continued to conduct cutting-edge research that advances the knowledge project and contributes to the resolution of African and global

challenges, including COVID-19.

This is part of ensuring that UL's new and existing international partnerships (particularly with other African states) are optimised in order to infuse intercultural and global dimensions to teaching and learning, research and community engagement in order to give meaningful expression to our motto, "Finding Solutions for Africa." For instance, the University has recently formed strategic partnerships with Sussex University, Nottingham Trent (UK), the University of Bern (France), and the University of Makerere (Uganda); purchased and installed ultra-high performance liquid chromatography-MS/MS (UHPLC-MS/MS); and



received the SAMRC award for research on TB Drug Discovery Hit to Lead Optimization.

The University has established new research chairs, including the SENTECH Research Chair, MRC-NRF Research Chair in Mental Health and Society, and the UL-NRF Research Chair in Schools as enabling environments.

More than that, the University also uses several facilities and research centres such as an experimental farm, greenhouses, laboratories, an agro-food processing station, Centre for Rural Communities Empowerment, an aquaculture facility, and a GIS laboratory, which strive to provide quality education and are aligned with the SGDs.

This year's conference brings over 150 participants, coming from different countries across the globe, to address sustainable development and the United Nations' SDGs through joint activities of research, education, and other activities relevant for the member institutions. This is also part of SANORD's mission, which is to stimulate multilateral research and innovation. This is achieved through researchers who team up across institutional, disciplinary, and national boundaries. The researchers identify academic fields and research

topics where sharing of resources and expertise will expand the capacity and achievements of each member.

Through this platform, the University strives to solidify its position as a member of this dynamic organization and allow UL researchers involved in specialty areas connected with SANORD's focus areas to closely explore new areas of collaboration and partnerships.

Most significantly, we hope that during your stay at this conference, emerging researchers who in the past struggled to gain access to international platforms will have the opportunity to interact with a diverse range of scholars from the Southern African Community as well as those from Nordic countries.

Once again, welcome to the 14th SANORD international conference. We hope that this conference will result in the formation of new partnerships and collaborations necessary to catalyse societal needs.



Message from Central Office



Pro Rector Gro Anita Flaten
SANORD Chair

Welcome to the 2023 SANORD Conference in Limpopo, South Africa. It is a distinct honour for us to host you for deliberations, robust engagements, and conversations in this beautiful part of the country.

The 2022 SANORD Conference extends the boundaries of collaboration between the Nordic and Southern African research and scholarly communities. SANORD's focus on the UN Sustainable Development Goals (SDGs) extends its mission of bringing together a diversity of minds in pursuit of a common goal for the public good. This aligns with the vision of a just world and a healthy, sustainable planet.



Umesh Bawa: Director
SANORD Central Office

The privilege and opportunity to meet and share knowledge, experience, and comradeship in the service of humanity after a long pandemic cannot be underestimated. Universities play a central role in our societies, and as scholars, we have the responsibility to encourage a better life for all.

In SANORD, we embrace this fact and investigate ways of working together to widen our perspectives and enhance our impact. The questions we want to address at this conference concern how the challenges we face can be met with evidence-based actions and knowledge that is globally owned and shared, where there is equity in all domains and a respect for difference and universal human rights.



Over SANORD's long history, it has epitomised a confluence of commitment and mutual respect across continents and cultures. It has trumpeted its opposition to oppression and any attempt to foreground differences across race, sexuality, gender, and class lines in a principled and ethically clear manner. It continues to champion sustainability, affability, collegiality, and solidarity in all its engagements.

SANORD has a strong foundation that can be further built upon to drive an agenda of hope beyond adversity, excellence beyond intellectual obfuscation, and a compassionate collaborative

ethos sorely needed in this sometimes intolerant and inhospitable world. Even though we have all lost so much during the pandemic, we have still managed to hold onto the hope of a better and fairer future. Let us continue to inspire the next generation of academics, researchers, and scholars to meet the challenges of the future with vigour, thoughtfulness, and kindness. Together, we can do this with much success.

Do enjoy the conference and our time together.





Finding solutions for Africa



<u>Sunday, 4 December 2022</u>		<u>Venue</u>
14h00-18h00	REGISTRATION	Makhulu Hall
14h00 - 15h30	SANORD LOC + CENTRAL OFFICE MEETING	Day Lily
16h00 - 18h00	SANORD STRATEGY MEETING	Excalibur
<u>Monday, 5 December 2022</u>		<u>Venue</u>
8h00 - 9h00	Registration of Delegates	Makhulu Hall
9h00 - 9h25	Chair: Prof R.J Singh, DVC: Research Innovation and Partnerships, University of Limpopo Welcome and Opening of Conference	
9h30 – 11h00	Panel Discussion Finding solutions: the nexus between SDGs and South-North partnerships – Challenges and Successes: During the covid-19 era Moderator: Dr Henri-Count Evans Panelists: Hopi Mboweni, Johannes Maree, Sten Hagberg, Jussi Jauhiainen, Vibeke Vågenes	
11h00 – 12h00	3MT Competition Chair: Irinja Paakkanen <ul style="list-style-type: none"> Vulnerabilities of African digital platforms in the wake of rapid internationalization - I.A Ochieng Monitoring dustiness on gravel roads - K Mbiyana 	





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Venue	Merlin 2	Georgian	Garden	Day Lily		
12h05-13h30	Workshop 1 South-North Collaboration: Teaching climate and climate change – how should we do it? – E Eidsvik & S Manik	Workshop 2 Tools for intercultural learning – E Kvaale, K Frydenlund, D Jithoo, L Samuels & T.S Kittelsen	Workshop 3 The multiplicity of mathematical and artistic concepts and transdisciplinary creativity evidenced in students' works created for South African Mathart Competition – K Fenyvesi, P Burnard, W Olivier, C Steyn, C.S Brownell & Z Lavicza	SANORD Contact Persons Meeting		
13h30-14h15	LUNCH: Safari Hall			13h30-15h00 Excalibur boardroom	Rector's/VC's Lunch - by invitation	
Venue	Makhulu Hall	Merlin 2	Georgian	Garden	Day Lily	Rose Room
	Chair: S Bhebhe	Chair: S.A Hlabane	Chair: D Jithoo	Chair: N Kufaine	Chair: L Muthelo	Chair: Y Malele-Kolisa
14h15-14h35	Behind digital innovations - M.J Svensson	Supporting students and advisors with thesis process digitalisation - S David, A Lagstedt, I Leite & C Da-Costa	African Higher Education: Focus on local context - G.Y Abraham	Innovation and collaboration in electric vehicles, energy systems, and charging infrastructure- J.K Leijon	Second-hand clothing: Thrifting, cosmopolitanism and sustainable development in South Africa - Seedat A.A & Becker H	Food safety knowledge and attitudes of consumers of street-vended food in Thulamela municipality, South Africa - M.A Mathaulula, J Francis, M Mwale & A.I.O Jideani
14h35-14h55	Zambian higher education as a contributor to solutions for global change? A civic education perspective - G Muleya & A Haugen	Developmental origins of Adult Health and Disease (DOHaD): A cohort study comparing weight gain as a cardiometabolic risk factor in children exposed to smoking and alcohol in utero, in low socioeconomic setting in South Africa - T.M Nyamurowa	Building international collaborations that are resilient and sustainable: How the Swedish-South African collaboration SASUF increased collaborations to jointly find solutions in line with the sustainable	Global energy transition – search for research collaboration in the field of renewable fuels and energy conversion - M Lundgren	Sustainable development in sport schools - T.R Petersson, L Leach, S Talien & P Wollmer	Short-scale variability characterization of solar irradiation in conditions of intermediate-sky - F. V Mucomole





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			development goals - H.B Kartal			
14h55-15h15	When should countries discontinue intermittent preventive treatment against malaria in pregnancy? A cost effectiveness analysis - A.T Chamani, A Mori & B Robberstad	The impacts of peri-urban expansion on municipal and ecosystems services: Experiences from Makhado Biaba Town - N Ekelund, E Ingwani, L.R Gurero, T, Gumbo, V Nel, M Thynell & P Schubert	Education, health and gender-menstruation as barrier for girls' education? A case from Tanzania - V Vågenes, C Grevstad & M Stave	The role of professional development in the diffusion of steam in the South African schools - C Steyn, T Morar & W Olivier	Nurses' antiretroviral therapy prescribing practices in children initiated and managed in public primary health care clinics, Mopani district, Limpopo province – L.N Mabila	Public-Private Partnerships for infrastructure projects in Africa - R Owusu
15h15 – 15h40	Tea break: Safari Hall					
Venue	Makhulu Hall	Merlin 2	Georgian	Garden	Day Lily	Rose Room
	Chair: J Mesuwini	Chair: A Kagaigai	Chair: C Mbotwa	Chair: C Sichimwa	Chair: L.N Mabila	Chair: J Miti
15h40-15h55	Incorporating Ubuntu Principles in the Tutor Training Programme to Promote Academic Success and Wellbeing - S.A Hlabane	Discourses of sustainability, migration and culture production in South African geography textbooks - L Leer	Creating enabling environments in Sweden and in South Africa for children in care. A report from a joint workshop on children's participation in October 2021 - M.L Lindahl & L Mossberg & P Nykänen	Finland-Africa Platform for innovation (SDG 9): Innovative South-North Collaborations - P Le Grand & J Jauhainen	Drivers and challenges for the implementation of new diagnostic technologies for bacterial infections in different healthcare settings in Southern African and Nordic countries - C.O Lindahl	Indigenous coping strategies on water provision towards the impacts of erratic rainfall in the rural community of Moletji, Limpopo province, South Africa - T.R Modise
16h15-16h35	In-service teachers' perceptions towards the use of indigenous materials and activities in the teaching and learning of Secondary School Mathematics - N Mkwelie & Z Zanamwe	Technical teacher professional development strategies: Mediating 4th Industrial Revolution - N Kufaine	Development's Disappearance: A Metaphor Analysis of Sustainable Development in Norwegian Core Curriculum - I Tollefsen	Mapping AI-driven period tracking transnational ecosystem and stakeholder participation in Zimbabwe - D Munetsi	Co-innovation of an affordable and effective cardiopulmonary (CPR) resuscitation training solution for Africa - S Salantera, D.T Kahsay, M Tommila & L.M Peltonen	Developing students entrepreneurial learning adaptability through cross-cultural learning – I.B Pettersen, E Kubberod, E van der Lingen, B.W Amo, J.J,





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						Bragelien & K.H Voldsund
16h35-16h55	Integrating indigenous knowledge systems: possibility or illusion? - S. Morobolo, C. Molebatsi & O. Romice	Student -teachers perceptions of the benefits of an internship abroad programme – A Lee, G Stordal, H Følstad & A Mosling	Learning Narrative Competence: Qualitative Evaluation of Social Work and Health Care Professionals' Experiences of Participating in A Reflective Writing Intervention – E.T Renko & J Valtonen	Research funding support role for enhancing North-South Cooperation - V Myllynpää	Exploring students' value creation and contribution to sustainable development in an internship course – J.J Bragelien, K.H Voldsund, & I.B Pettersen	The impact of global influence on higher education in South Africa - M.S Rabodiba
17h05-18h50	SANORD Board Meeting: Excalibur Boardroom					
18h50-20h30	WELCOME COCKTAIL/NETWORKING SESSION Lapa (Pool) Programme Director: Mr Victor Kgomoewana, Director: Marketing and Communications, University of Limpopo Welcome Address: Mr Nape Nchabeleng, Director-General: Limpopo Province					





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Tuesday 6 th December 2022						
7h30-8h00	Registration of Delegates					Makhulu Hall
08h00-08h45	Plenary: Can collaboration replace competition: the role of higher education institutions in contributing to impacting society through SDGs Speaker: Prof Jose Frantz, DVC: Research and Innovation, University of the Western Cape Chair: Prof Omphemetse S. Sibanda, Executive Dean: Faculty of Management and Law, University of Limpopo					
Venue	Makhulu Hall Chair: A Seedat	Merlin 2 Chair: A Chamani	Georgian Chair: N Mkwelie	Garden Chair: T Modise	Day Lily Chair: P Maija	Rose Room Chair:L Liebenberg
8h50 – 9h10	En route to a sustainable future through quality education – S David	Temporal Local Variability of Solar Energy in Short Scale – F.V Mucomole	Language and popular culture in After Tears, Room 207 and Coconut - N. T Nichols	Dirisan+: A multinational-collaborative project on improving undergraduate student learning experiences in post COVID-19 era – A.L Vainio, E Abbe, A Duplessis, S Lipinge, H Burger & O Kortekangas-Savolainen & M Erasmus	TVET lecturer learning through industry meetings: Work-integrated learning experience - J Mesuwini & K. L Thaba-Nkadimene	Technology integration into in-service teacher professional development in higher education institutes in South Africa and Eswatini - S Bhebhe
9h10 – 9h30	Efficient SDG fulfillment for regions in transition: Linking society to research addressing development challenges - P Sundin, R Waters, P Sävblom, M Cedercrantz, D Bergquist, S Urenje, B.O Turesson, U Outline	Integrating indigenous knowledge systems into environmental conservation policies and programmes: A missing sustainable environmental resources conservation approach for Lesotho – T.A Rantšo	Assessing the role of indigenous climate forecasting systems in building farmers' resilience in Nkayi District, Zimbabwe – D Nyathi	Blended learning in higher education in the era of Covid-19 and implications for 4IR: The case of a selected state University in Zimbabwe - S Naidoo	Higher Education for Sustainable Development: Actioning agenda 2030 global goals in policy and curriculum – G Shava	Global collaboration in research and higher education within Dentistry-challenges and experiences - M Nordström, U Lindmark, A Kearney, Y Malele-Kolisa, D Mtyongwe, TRMD Ralephenya & P Sodo
9h30 – 9h50	Discourses of development as markers of national identity: a Tanzanian	Mapping research on sustainable development goals and higher education: A	Social Protection in Africa: A Focus On Gender Equality And	Innovative pedagogical m-learning practice for teaching mathematics	Teaching for social justice and health in 'life orientation' and physical	The conservative and modern traditional health practitioners (THPS): An Indigenous





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Tuesday 6th December 2022

	educational perspective - A.D.F Haugen	bibliometric analysis - E Henri-Count & T.E Mabila	External Shocks - S Atkins, J Tiitto, J Pajula, E Kervinen, J Miti, P Nhassengo. M Perkiö & M Koivusalo	with geogebra applets - W.A Olivier	education and health' – a comparative study - K Schenker, A Kitching, S Linner, G Gerdin, K Lundin & L Botha	Knowledge System (IKS) perspective from Vhembe District, Limpopo Province of South Africa - T.M Risimati
9h50-10h10	Breaking the Norm: Conducting a needs analysis for a literacy intervention strategy, Capricorn District - E.S Chuene, K.N Maswanganyi, T.W Molotja & S Ndlovu	Decolonizing research methodologies: joint field research and re-imagined South-North collaboration - S Hagberg	The role of foreign cultural institutes in higher education in Africa - L.R.K Laakso	Keeping participants involved in the cote programme – K. Ferreira-Meyers	Instructional leadership in literacy in the foundation phase of primary schools during Covid-19 pandemic, Capricorn district, South Africa: A needs analysis.- M.W Seshoka, L.T Mabasa & M.L Mahlatji	Sustainable entrepreneurship, identity and context: A case study of Norwegian and South African entrepreneurs O.C Rykkje I.B Pettersen & Ø.S Høvig
10h10-10h30	Tea break: Safari Hall					
10h35-11h25	Plenary: "Knowledge for action -knowledge driven action. How can SANORD contribute to the UN sustainable agenda". Panelists: Are Straume and Tor Halvorsen Chair: Prof Tebogo Mothiba, Executive Dean: Faculty of Health Sciences, University of Limpopo Makhulu Hall					
Venue	Makhulu Hall Chair: A Ugwuanyi	Merlin 2 Chair: G Muleya	Georgian Chair: M.A Mulondo	Garden Chair: L Samuels	Day Lily Chair: E. Tapera	Rose Room Chair: G.T Tati





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Tuesday 6th December 2022

11h30-11h50	"mHealth Intervention for Promoting HIV Pre-exposure prophylaxis use: Effect of Jichunge intervention among female sex workers in Dares Salam, Tanzania" - C Mbotwa	Exploring the potential of the sharing economy for start-ups and early-stage business development: A Norway, South Africa comparative study - K.W Ivankovic & I.B Pettersen	Open distance e-learning: the impetus for shaping the future of higher education in the context of Zimbabwe. - A Mangena	Catastrophic health expenditure and voluntary health insurance: Can community-based health insurance scheme reduce catastrophic health expenditure in rural Tanzania? - A.P Kagaigai, A Mori, A Anaeli & S Grepperud	The prevalence of food insecurity at an institution of higher learning: The quantitative responses - M.E Mashabela, M.E Rapetsoa & B.M Selepe	Hospitality sector: An analysis of hotel chains in Zimbabwe - N Shereni, J Saarinen & C.M Rogerson
11h50-12h10	Age and sex dependent variability of type 2 dopamine receptors in the human brain: A large-scale PET cohort. – T.K Malén	Collaborative and online learning: Integrating decolonial cultures into hybrid forms of learning and mobility - J Peter	Pre-service teachers and their construction of diversity in the Araucania region - L Leer	Collaboration on mobile platforms for student and staff – self-help apps - must or need? Case study of NUST - J.E Frans	Gender and active citizenship: the analysis of teacher education - P.B Massao, B.A Sheshe & B.T Mkenda	Higher education solutions for global change recruiting low-literate immigrants to a research project – lessons from Norway L Grinden & L Botha
12h10-12h30	Sustainable Development Goals and tourism: Research and education needs on sustainable tourism in Southern Africa – J Saarinen, N Moswete, E Kavita & D Abrahams	Multicultural practicum groups. Internationalisation at home and away – J Klein & G Wikan	Lecturers' understanding on the use of open educational resources (OER) in teaching and learning at the three South African universities R.J Setshedi	Health resilience factors among dental carries-free adults in low socio-economic areas in South Africa; Pilot Project Plan - Y Malele-Kolisa, TRDM Ralephenya, P Sodo, A Kerney, D Ntyongwe, M Nordström & U Lindmark	Evaluation of rural teachers use of technology in classrooms as a strategy towards bridging learners' the technology underexposure I.N.K Senyatsi	Covid-19 Rapid Impact Assessment on Domestic Workers In Zambia - J Miti & T Mponda
12h30-13h20	Lunch: Safari Hall					
13h30-16h30	Excursion					
17h00-18h30	SANORD Council Meeting: Day Lily					
19h00-21h00	Cultural Dinner: Bush MC: Mr Moses Moreroa					





Finding solutions for Africa



Wednesday 7th December 2022

7h30-8h00	Registration of Delegates						Makhulu Hall
08h00-09h00	Plenary: One Ocean Conversations: Reflections and Experiences Moderator: Umesh Bawa, University of the Western Cape, South Africa Panelists: Elin Kvaale, Malmö University Gro Anita Flaten, Western Norway University of Applied Sciences Norway Erland Eindvik, Western Norway University of Applied Sciences, Norway Umesh Bawa, University of the Western Cape, South Africa Chair: Prof Suzan Dippenaar, Department of Biodiversity, University of Limpopo						
Venue	Makhulu Hall	Merlin 2	Georgian	Garden	Day Lily	Rose Room	
	Chair: K Ferreira-Meyers	Chair: M Mashabela	Chair: M.S Rabodiba	Chair: I.N.K Senyatsi	Chair: A Mangena	Chair: D Mtyongwe	
9h05-9h25	Health system response during the covid-19: A comparison between Finland and South Africa – H.M Tiirinki & I.S Tenza	Student teachers' experiences and cognitions on being an English teacher: A South African-Norwegian comparative study – H.E Rimmereide	The concept of sustainable development in Tanzanian and Norwegian education policies – Ø.K Mellingen	<i>Home Education In Soweto: Understanding The Context And Experiences Of Parents</i> R Ramroop	Contribution of Zambian women in tourism to attainment of SDGS 1 and 5. - C Sichimwa & P Sakala	Virtual technology for student active learning abroad - A Lee, G Stordal, G lee & M	
9h25-9h45	Treatment of flue gas desulfurization waste water with freeze crystallization - A.L Tau, J.P Maree, A Adeniyi & M.S Onyango	<i>Prevalence of Covid-19 vaccine hesitancy in a rural setting: A case study of DIMAMO Health and Demographic Surveillance site, Limpopo province of South Africa – L Muthelo</i>	The capacity development needs of research ethics committee administrators in South Africa: A survey – M. A Mulondo	Assessing the Impact of COVID on the SME Tourism Sector of Windhoek Using the Sustainable livelihoods Framework - L Liebenberg & I Green	"Of mergers and integration of indigenous knowledge systems and scientific knowledge in the era of global neoliberalism: A recipe for epistemicide?" – C.O Molebatsi, S. Morobolo & G. Lethugile	Mitigating and adapting to climate change impacts from an African perspective: The complementary role of climate science and local knowledge systems - G Tati	
9h45 - 10h05	Storybooks Zambia and storybooks Norway: Multilingual digital	"There is death in the Pot": Exploring African Indigenous	Recovery of CaCO3, Na2CO3 and MgO from alkali	Kindergarten adoption - A different internship! - O.B Lysklett	Implementing a Public Policy to extend social security to informal economy	Fostering Narrative Competence In Clinicians: A Course In Close Reading And Reflective Writing For	





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Wednesday 7th December 2022

	stories for language and literacy learning – <i>D. S Mwanza, A M Danbolt & E Stranger-Johannessen</i>	Medicine Usage in the There is death in the Pot”: Exploring African Indigenous Medicine Usage in the Treatment of Diseases in the Vhembe Biosphere Reserve, Limpopo Province of South Africa - <i>SL Kugara & TM Risimati,</i>	earth metals - <i>C.P Mokgohloa</i>		workers in Zambia - <i>J Miti & M Perkiö, A.M.S Atkins</i>	Healthcare And Social Work Professionals – <i>J Valtonen</i>
10h05-10h20	Tea break: Safari Hall					
10h25-11h25	Plenary: Prof Mahlapahlapana Themane, Professor of Education: Enabling Schools Projects Chair: Prof Satsope Maoto, Executive Dean: Faculty of Humanities, University of Limpopo Venue: Makhulu Hall					
Venue	Makhulu Hall Chair: S Naidoo	Merlin 2 Chair: T Mabasa	Georgian Chair: D Nyathi	Garden Chair: T Ralephenya	Day Lily Chair: T.A Rantšo	Rose Room Chair: G Shava
11h30-11h50	Towards the Adoption of Indigenous Traditional Games in The School Curriculum, the Transition to Achieve Education for Sustainable Development in Education, the Zimbabwean Experience. – <i>E.M Tapera</i>	Student Teachers Professional Development and Identity During an Internship Abroad - <i>A Lee, G Stordal ,A Lyse, W Melvold & K Nordaune</i>	One Ocean: Joining forces in the Classroom- <i>E Eidsvik</i>	Decolonizing research methodologies: the question of language in international collaborations – <i>A.S.O Makkonen</i>	Academic remediation in medical education: A measure of equity and inclusivity: clinical educators perspective – <i>A.E Ugwuanyi, R Cooke, P Sodo & S Pillay</i>	Case study of Namibian student-teachers' experiences of teaching – <i>G Wikan, C Alexander & E Kirchner</i>





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Wednesday 7th December 2022

11h50-12h10	Diabetes health information kiosk for self-management education: A conceptual design - C.J Orre, G Voster, D Boucher & T Lindrotch	Looking Back in Order to Move Forward in Driving The SDG 2030 Agenda: The UiB and UWC Partnership Experience - K Svartveit & L Mdleleni				
12h15-12h25	Conference closure: Makhulu Hall					
12h30	Lunch and departure: Safari Hall					

POSTER VIEWING

The posters will be displayed/presented/viewed in the tea rooms (Safari Hall)

MONDAY	TUESDAY
Sharing is caring: A common digital resource pool for teaching about the sustainable development goals – F Bengtsson & S, Brokop	Land Cover Classification of the Peri-Urban Expansion of Makhado Biaba Town, South Africa. - M. Thynell, P. Schubert, N.G.A. Ekelund, E. Ingwani, L.R. Gurure, T. Gumbo & V. Nel.
Treatment of acid mine drainage with ROC process for the recovery of drinking water and saleable products - M.H Moloto, J.P Maree, T.M Mogashane, M Mujuru & M.M Mphahlele-Makgwane	The capacity development needs of research ethics committee administrators in South Africa: A survey - Mulondo M.A, Tsoka-Gwegweni J, LenkaBula P & Chikobvu P
Water-energy nexus and renewable energy sources for desalination: innovation for access to freshwater - Leijon J.K	El Sistema in Finland: behind the scenes – Maija P
Innovation incentives to promote equitable access to new antibiotics across different countries and healthcare settings - Lindahl C.O	Problematization of laboratorial teaching of the measurement of basic constants: weight, length and time - Mucomole F.V, Tomo F, Massimbe G, Macassa E, Ubisse B, Matsinhe B & Sultane V





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PROGRAMME FOR SIGs

Venue: Makhulu Hall

Monday 5th December 2022 (Makhulu Hall)	
12h00 – 13h30	SIG 1- STEP: SANORD Teacher Education Partners: Gerd Wikan, Erlend Eidsvik, Arorisoe Sibanda
14h00 – 15h30	SIG 2- Equity, Africa and collaboration for the SDG's in the global South: José Frantz, Roseanna Avento, Umesh Bawa
15h30 – 17h00	SIG 3- Industry, Innovation and Infrastructure: Pia le Grand, Jussi Jauhianen

Tuesday 6th December 2022 (Makhulu Hall)	
08h00-09h30	SIG 4: Capacitation, Empowerment and the Next Generation Scholar: Irinja Parkinnen
09h30 – 11h30	SIG 5: Administration of Internationalisation: Best Practice: Elin Kvaale
11h30 – 13h00	SIG 6: Tourism and the SDG's: Jarkko Saarinen

Wednesday 7th December 2022 (Venue: Makhulu Hall)		
09h00 – 10h30	SIG 7: School Meals Programmes- Zero Hunger and Quality Education: Roseanna Avento	Workshop 4 An inclusive approach to driving SDG's: Redefining the role of administration in higher education – J Frantz & E Kvaale
11h30 – 13h00	SIG 8: Creating an enabling environment for student innovation and sustainable enterprise development in the era of digitisation: Mr Jimmy Mohale, Mr Thabo Lebelo	

