

CENTRE FOR SCIENCE, TECHNOLOGY
AND INNOVATION INDICATORS

2023/24 ANNUAL REVIEW REPORT

MEASURING R&D AND INNOVATION FOR SOUTH AFRICAN PUBLIC POLICY



science, technology
& innovation

Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA



HSRC
Human Sciences
Research Council



HSRC
Human Sciences
Research Council

CeSTII

Centre for Science, Technology
& Innovation Indicators

Centre for Science, Technology and Innovation Indicators
Human Sciences Research Council

The Yacht Club, Dockrail Road, Foreshore, Cape Town, 8000, South Africa

Phone: +27 (21) 466 8000

Email: gkruss@hsrc.ac.za

Website: <https://hsrc.ac.za/divisions/centre-for-science-technology-and-innovation-indicators/>

HSRC-CeSTII 2025. *Centre for Science, Technology and Innovation Indicators: 2023/24 Annual Review Report.*

Human Sciences Research Council: Cape Town.

Date of publication: February 2025

Editing: Katharine McKenzie

Design and layout: Tracey Watson

Printed in February 2025 on FSC-approved paper, in limited quantity.

CONTENTS

3	Contents	16	Capacity building, digitalisation and data management
4	Foreword by Prof. Sarah Mosoetsa	17	Requesting CeSTII data
6	2023/24 in review by Dr Glenda Kruss	18	Publications, papers and conferences
8	International advisory committee	24	HSRC innovation policy forum with the private sector
10	Measuring R&D capacity in South Africa	27	Staff achievements
12	Measuring innovation capacity in South African firms	29	Honorary research fellows
14	Policy-related indicator development	30	The CeSTII Team



Prof. Sarah Mosoetsa

Chief Executive Officer,
Human Sciences Research
Council

FOREWORD BY **PROF. SARAH MOSOETSA**

Contributing to knowledge production in Africa through science, technology and innovation indicators

Globally, there is a growing recognition of the need for evidence-informed policy-making as a foundation for democratic debate and resources for policy actors. This standpoint shapes the role and function of CeSTII and is reflected in the high standard of its research and knowledge products. These shine a light on South Africa's STI landscape and the important role that science, technology and innovation can play in creating a just and equal society.

In 2023/24 CeSTII continued to test new proactive and creative ways to design more useful data and evidence to inform STI policy processes. Indicators are not neutral and have many applications. Not least, they reflect and shape policy and impact the public narratives of what goals and types of STI are considered important in our society.



In past decades, the same innovation policy and measurement models were applied in any context. Now, there is a growing emphasis on the need to design an innovation policy mix that can address the ways in which global challenges play out in our country and the Global South.

Critical reflection on the value of standard STI indicators and datasets, designed in high-income developed country contexts, has highlighted the need for complementary and more contextually appropriate indicators in South Africa, and across the continent.

The CeSTII team continues to create new innovation datasets, analysis and design, aligned with national commitments contained in the Sustainable Development Goals, the STI Strategy for Africa, and the National Development Plan.

As South Africa's democracy enters a new era, the HSRC and its centres and divisions, like CeSTII, will continue to provide useful, accessible and relevant research to government and policymakers across the public, private, higher education and NPO sectors. This is reflected on the pages of this Annual Review Report, which attests to the dynamic scholarship that is underway within CeSTII, as an important custodian of South Africa's national innovation datasets and related official statistics.



Dr Glenda Kruss

Executive Head: CeSTII,
Human Sciences
Research Council

2023/24 IN REVIEW BY **DR GLENDA KRUSS**

Refining STI policymaking to benefit all South Africans

CeSTII continues to grow as a thought leader in the development of appropriate STI indicators in Africa. A central question remains: how can we align STI indicators and measures with policy efforts to address persistent socio-economic challenges?

Critical self-reflection is an important practice for organisations like CeSTII and in the 2024 we evaluated the role of CeSTII within the HSRC, highlighting the characteristics that set us apart from our colleagues within the Council. Our self-reflection report reflected critically on our accomplishments over the past five years, and what we need to do better, as part of our contribution to the HSRC's Strategy Plan for 2025-2030.

The HSRC's five strategic outcomes for the 2020-2025 period, informed by its goals and institutional imperatives are summarised as: leadership in knowledge production, policy influence, partnerships, transformed research capabilities and sustainability. Against these target areas

CeSTII performed strongly on engaged research with government and communities, on policy-oriented and data-rich research outputs, on dataset outputs, and on convening and participating.

Our track record also shows that CeSTII is progressing well towards its five STI measurement objectives: to improve and maintain the core R&D and innovation surveys, to experiment and create new contextually relevant surveys, to grow our value-add outputs, and to continue to build strong stakeholder networks and partnerships in national and Africa-wide STI policy and indicator networks.

The core focus for CeSTII research remains producing credible and rigorous R&D and business innovation datasets. At the same time, we recognise that the dominant indicator models and normative assumptions may be limited, or unsuitable for our context. As such CeSTII continues to research models and approaches that can contribute to the national STI indicator conversation in South Africa and a broader one within the Global South.

The self-reflection process highlighted the need to strengthen CeSTII's output of traditional academic knowledge products, by volume and by growing the group of researchers that are publishing successfully. This will deepen our capacity to undertake policy-oriented analysis, with policy insights and recommendations far more effective if grounded in informed data analysis that explores relationships in complex ways.

As the next five-year cycle of HSRC strategy implementation begins in 2025, we will continue to strengthen our expertise and create wider capacity for intellectual, strategic and people leadership, fiduciary responsibility and organisational management as part of succession planning and skills transfer at CeSTII-HSRC.

INTERNATIONAL **ADVISORY COMMITTEE**

An independent committee of experts from South Africa, India, Spain, Costa Rica, UK and USA provides CeSTII with advice on its research agenda.



**Dr Susan Cozzens
(Chair)**

Professor Emerita, School of Public Policy, Georgia Institute of Technology, USA.



**Prof. Sunil Mani
(Vice Chair)**

Director of the Centre for Development Studies (Trivandrum, India) and visiting professor at the National Graduate Institute for Policy Studies (Japan).



Dr Almamy Konté

Dr Konté served as senior expert in innovation policy, African Observatory for Science, Technology and Innovation, African Union Commission leading the programme to build the capacity of AU members to collect STI indicators.



Prof. Erika Kraemer-Mbula

Professor of Economics at the University of Johannesburg holding the DST/ NRF/Newton Fund Trilateral Research Chair in Transformative Innovation, the 4th Industrial Revolution and Sustainable Development.



Ms Hlengiwe Mbatha

Senior specialist at the National Advisory Council on Innovation focusing on the monitoring and evaluation of STI policy.



Dr Pedro Mendi

Associate professor in the Department of Business, Universidad de Navarra, Spain. He holds a PhD in Economics (2001) from Northwestern University. His research focuses on the economics of innovation and technology transfer and other topics in industrial organisation.



Dr Flávio Peixoto

Senior economist at Brazil's Institute of Geography and Statistics coordinating the Brazilian Innovation Survey (PINTEC).



Dr Nazeem Mustapha

MEASURING R&D CAPACITY IN SOUTH AFRICA

R&D Survey 2021/2022

The R&D Survey's 2021/22 Statistical Report was released by CeSTII and the Department of Science and Innovation on 15 February 2024.¹

South African Statistical Quality Assessment (SASQAF)

A SASQAF assessment commenced in the 2023/24 fiscal year to maintain the quality of the R&D Survey, guide improvement and ensure that the data remain part of SA's official statistics.

Modernisation of mining survey project

The modernisation of mining survey project, in partnership with Minerals Council South Africa with the Research Institute for Innovation and Sustainability, commenced in 2023/24 and a customised survey will roll out in 2024/25.



¹ <https://hsrc.ac.za/press-releases/cestii/upturn-in-sa-research-and-development-expenditure-after-covid-19-pandemic-hsrc-survey/>



Understanding RDI in state-owned enterprises

With DSTI and the Department of Public Enterprises, CeSTII is contributing to the design of a framework and performance indicators to enhance the innovative potential of state-owned enterprises. Research initiated previously continues in 2024/25, including engagements with government and stakeholders, on key indicators to improve SOE R&D and innovation capabilities.

Engaging R&D Survey respondent communities

Engagements with R&D Survey respondent communities were convened to increase usage of the online RDI survey platform and respondent participation in the R&D Survey. This also enabled the research team to meet with respondents we usually correspond with via calls or email.

R&D Survey insights shared at HSRC Emerging Researchers conference

Drawing on data from the R&D Survey, Natalie Vlotman's paper investigated foreign-born personnel in South African R&D. Mario Clayford's paper explored the research capacity of South Africa's pharmaceutical industry and Darryn Whisgary and Jacqueline Borel-Saladin's poster discussed SA's R&D expenditure in green energy.



Dr Moses Sithole

MEASURING INNOVATION CAPACITY IN SOUTH AFRICAN FIRMS

South African Business Innovation Survey (BIS) 2019-2021

In 2023/24, the national BIS 2019-21 data was finalised and disseminated with the results released on 7 March 2024.²

A new analytical approach identified modes of innovation in industry and services sectors and mapped the profiles of the firms in each, to provide policy makers with contextually relevant evidence on firm-level capabilities. Outputs published and disseminated, included the main report, aggregated datasets, methodology report, eight sector-specific briefs, two fact sheets and a policy brief.



² <https://hsrc.ac.za/press-releases/cestii/hsrc-survey-results-reveal-dynamics-of-innovation-in-sa-business-sector/>



South African Agricultural Business Innovation Survey (AgriBIS) 2019-2021

In August 2023, following the conclusion of fieldwork and data collection for South Africa's second AgriBIS 2019-2021, CeSTII-HSRC researchers and DSI officials met with stakeholders to reflect on priorities for agricultural innovation in South Africa. Results of the survey were released on 17 July 2024.³

Innovation in the Informal Sector Survey, Philippi, 2021-22

The second survey of Innovation in the Informal Sector (IIS) was conducted in 2023/24. The first took place in 2017 in Sweetwaters (Mpumzuza), KwaZulu-Natal. The second surveyed innovation by informal businesses in Philippi, a large township in Cape Town. The Philippi survey used an updated questionnaire reflecting new theoretical and empirical research into the nature of economic activity and innovation in the informal sector in Africa. This informed the development of new indicators based on a framework for measuring formalisation capability. Further adaptations included survey questions to assess the impact of challenges such as loadshedding and Covid-19. The report will be published in 2024/25.

³ <https://hsrc.ac.za/press-releases/cestii/hsrc-survey-reveals-high-levels-of-innovation-in-sa-agribusinesses-despite-challenges/>



Dr Il-haam Petersen

POLICY-RELATED INDICATOR DEVELOPMENT

Building a knowledge base and networks for Africa-focused innovation measurement

With the National Centre for Technology Management in Nigeria, CeSTII leads the African Network for Economics of Learning, Innovation and Competence Building Systems (AfricaLics) Chair on Africa-Focused Innovation Measurement. A research agenda was published on the AfricaLics website,⁴ and presented at a webinar on 14 March 2024.



⁴ https://africalics.org/wp-content/uploads/2024/01/Thematic_Chair_Report.pdf

Strengthening STI policy and measurement capabilities in Africa

Over the past three years, CeSTII's Evi-Pol project team worked with African science granting councils (SGCs) to strengthen the use of STI data as evidence for policy and decision-making. This included training workshops, masterclasses and coaching support to conduct systemic reviews of STI policy and strengthen data management and data governance. These engagements informed the creation of a set of toolkits customised for use by SGCs.⁵

Evi-Pol phase 2

Capabilities to implement R&D surveys is a focus of the second phase of the Evi-Pol project, and an R&D Survey toolkit will be developed in 2025.



The Toolkit for the Systemic Review of Science, Technology and Innovation Policy supports evidence-based reviews of national policy.



The Evi-Pol Data Governance Toolkit helps SGCs to strengthen their data governance systems.



The Digital Transformation Roadmap guides SGCs to achieve a customised digital transformation roadmap.

⁵ <https://repository.hsrc.ac.za/handle/20.500.11910/21359>



Gerard Ralphs

CAPACITY BUILDING, DIGITALISATION AND DATA MANAGEMENT

Management and capacity building

CeSTII aims to ensure staff retention, succession planning and sustain the team over the long term. This is a challenge, given the lack of senior South African researchers with field-specific expertise, and competition from other employers.

Focus areas include:

- Career progression, particularly for mid-level researchers
- Capacity development for journal writing
- Data analysis and writing skills for junior and mid-level researchers
- Individual coaching to build the capacity of the senior team to lead and manage.

Digitalisation

The R&D Survey's web-based platform⁶ for efficient respondent data submission and access of historic survey responses is complete. The aim is for most returns to be submitted using the digital platform going forward.

Data management

The data team provides data management, extraction and analysis support, as well as statistical analysis expertise, across all themes and projects, and for external users. The aim is to enhance effective coordination and planning across projects, and decrease turn-around times on data requests, improving data access for external users.

⁶ <https://rdisurveys.hsrc.ac.za/>



Dr Yasser Buchana

REQUESTING CeSTII DATA

Data curation for international indices for the OECD, UIS and NEPAD is undertaken annually. Collaboration with NACI to curate and share datasets for the national STI portal continued to grow in importance during the 2023/24 financial year and is expected to grow further.

In 2024/25, further attention will be given to improving data governance and strengthening data access protocols for different kinds of users, including DSI, StatsSA and researchers. This includes implementing a new digital system to manage data access requests from all types of users.

To obtain specific data not available through the HSRC's Data Curation Unit⁷ prospective users should follow the guidance contained on the CeSTII website www.hsrc.ac.za/en/departments/cestii/cestii-data. The HSRC facilitates data use by preparing comprehensive metadata and disseminating data and related documents to appropriate target audiences.

Contact the chair of the CeSTII Data Committee, Dr Yasser Buchana (ybuchana@hsrc.ac.za) for more information.



⁷ <http://datacuration.hsrc.ac.za/>

PUBLICATIONS, PAPERS AND CONFERENCES

Peer-reviewed journal articles

- Buchana, Y. (2023) Eco-innovation and agricultural sustainability: empirical evidence from South Africa's agricultural sector. *Innovation and Development*. October: Online.
- Kahn, A., Kasongo, A., Sithole, M. M. & Ramoroka, K.H. (2024) An analysis of the micro- and macro-economic determinants of firm R&D intensity in the South African business sector. *African Journal of Science, Technology, Innovation and Development*. February: Online.
- Kasongo, A. (2023) The determinants of fiscal deficit in South Africa: a Bayesian vector autoregressive approach. *International Journal of Economics and Financial Issues*. 13(4):30-36.
- Mvelase, L.M., Ferrer, S.R.D. & Mustapha, N. (2023) The socio-economic impact assessment of biofuels production in South Africa: a rapid structured review of literature. *Cogent Engineering*. 10(1): Online.
- Qomoyi, S., Sinyolo, S., Ramoroka, K.H., Kahn, A., and Zondi, L. (2024) A quantitative analysis of obstacles to innovation among small, micro, and medium-sized enterprises: Evidence from South Africa. *African Journal of Science, Technology, Innovation and Development*. January: Online.





Conference papers and participation

- Dr Yasser Buchana: **Atlanta Conference on Science and Innovation Policy**, Georgia Tech, Atlanta USA, 23–26 May 2023.
- Pilela Majokweni, Lungani Mvelase: **SAYAS Annual Young Scientist Conference: Basic Science for Sustainable Development**, Department of Science and Innovation, University of Venda, Thoyandou, 12–13 June 2023.
- Pilela Majokweni: **Gender, Work & Organisation Conference**, Stellenbosch, 30 June 2023.
- Dr Mbongeni Maziya: **Conference of the South African Society for Agricultural Extension**, University of Zululand, Richards Bay, 29–31 August 2023.
- Theo Sass: **SANORD Conference**, Inland Norway University of Applied Sciences, Hamar, 20–22 September 2023.
- Dr Glenda Kruss: **5th World Congress of Latvian Scientists**, National Library of Latvia, Riga, 27–29 September 2023.
- Dr Glenda Kruss, Dr Il-haam Petersen: **20th Globelics International Conference**, Gulati Institute of Finance and Taxation, Thiruvananthapuram, India. Online 11–14 October 2023.
- Dr Atoko Kasongo: **Centre for the Study of African Economies Conference 2024**, University of Oxford, UK, 15–20 March 2024.

HSRC Emerging Researchers Conference, September 2023 (papers and posters)

RESEARCHER	TOPIC
Dr Mbongeni Maziya	The perceived impact of climate change on the livelihoods of smallholder farmers in KwaZulu-Natal province, South Africa
Darryn Whisgary & Dr Jacqueline Borel-Saladin	Research and development expenditure in green energy – A closer look at sectoral contributions
Sintu Mavi & Luthando Zondi	Crisis as a window of opportunity: How R&D, innovation and exporting capabilities build resilience in South African firms
Natalie Vlotman	Investigating the role of foreign-born personnel in South African R&D
Tlangelani Makamu	Young fathers in South Africa: An analysis of the demographic and socioeconomic determinants
Nicole van Rheede	Boundless potentiality: How informal entrepreneurs create shared value as an outcome
Setsoheng Mayeki	Gender, informality, and innovation: Insights from research in Sweetwaters
Viwe Sigenu	Factors affecting product and process innovation for SMMEs in South Africa
Pilela Majokweni	Impact of public funding on the productivity of innovation-active South African enterprises
Dr Amy Kahn	Aligning innovation and industrial policy: Contextual evidence from measuring firm innovation capabilities in South Africa
Dr Atoko Kasongo	The innovation-inequality nexus: Empirical evidence from African countries
Dr Mario Clayford	Health R&D in South Africa: Private sector contributions to the pharmaceutical industry

HSRC Review

- McKenzie, K. (2024) What we can learn from Uruguay's transition to renewable energy. *HSRC Review*. 22(1): 28-30.
- Mustapha, N., Kruss, G., Borel-Saladin, J. & Ralphs, G. (2023) Marking 20 years of R&D surveys at the HSRC. *HSRC Review*. 21(4): 26-29.
- Smith, J. HSRC toolkits to aid science granting councils in using evidence to inform funding-policy decisions. *HSRC Review*. 22(1): 44-47.

HSRC policy briefs

- Kruss, G. (2023) Framing science, technology and innovation measurement: 20 years of evolution towards a future agenda and participatory process. HSRC Policy Brief (November).
- Majokweni, Z.P., Kahn, A., Kruss, G., Sithole, M.M. & Buchana, Y. (2024) Promoting innovation collaboration in South Africa: unveiling patterns and barriers. HSRC Policy Brief (March).
- Petersen, I., Mustapha, N. & Van Rhee, N. (2024) Transitioning the informal to the formal economy: a measure to assess readiness and progress. HSRC Policy Brief (February).

Evidence review

- Lynch, I., Fluks, L., Essop, R., Isaacs, N., Majokweni, P., Friese, S. & Van Rooyen, H. (2023) Intersectionality in research, grant-making and human capital development: key contributions from a systematic literature review, interviews, policy and programme reviews. (Evidence Review Report).

Book chapters

- Kruss, G. (2023) The COVID pandemic as catalyst for directing innovation policy and research toward transformation and inclusive development: evidence from South African challenges. In: Singh, L. & Joseph, K.J. (eds). *Reimagining innovation systems in the COVID and post-COVID world*. London: Routledge.
- Kruss, G., Kahn, A. & Petersen, I. (2024) Where innovations may come to life: a new policy mix to build from capabilities across the national system of innovation. In: Mazibuko-Makena, Z. & Pouge, T. (eds). *Why innovations live or die: South Africa's innovation system*. Johannesburg: Mapungubwe Institute for Strategic Reflection.
- Mathekga, J. (2023) Political economy of foreign direct investments in Africa: critical reflections. In: Iloh, E.C., Aniche, E.T. & Azom, S.N. (eds). *African political economy in the twenty-first century: theories, perspectives, and issues*. (Africa: Past, Present & Prospects). Lanham, Maryland: Lexington Books.
- Mustapha, N. & Ralphs, G. (2024) Reorienting technology transfer in South African universities and science councils towards public value outcomes. In: Mazibuko-Makena, Z. & Pouge, T. (eds). *Why innovations live or die: South Africa's innovation system*. Johannesburg: Mapungubwe Institute for Strategic Reflection.
- Petersen, I., Mustapha, N., Dunn-van Rheede, N. & Kruss, G. (2023) Harnessing innovation in the informal food services sector: insights for public policy. In: Kraemer-Mbula, E., Hanlin, R., Byrne, R., Daniels, C. & Kingiri, A. (eds). *Transformative innovation in times of change: lessons for Africa from COVID-19*. Somerset West: African Minds.



“CeSTII continues to grow as a thought leader in the development of appropriate STI indicators in Africa.”

DR GLENDA KRUSS
Executive Head: CeSTII,
Human Sciences
Research Council



Monographs

- Kahn, A., Ralphs, G., Sithole, M. & Majokweni, P. (2024) *Innovation in South African businesses, 2019-2021: activities, practices and capabilities*. Cape Town: Human Sciences Research Council.

Moses M. Sithole contributed to several monographs produced for reporting the National Food and Nutrition Security Survey.

Sectoral briefs

- *Innovation trends in the architectural, engineering, R&D, and technical testing sectors, 2019-2021.*
- *Innovation trends in the computer and related activities sector, 2019-2021.*
- *Innovation trends in the electricity, gas and water supply sector, 2019-2021.*
- *Innovation trends in the financial intermediation sector, 2019-2021.*
- *Innovation trends in the manufacturing sector, 2019-2021.*
- *Innovation trends in the mining and quarrying sector, 2019-2021.*
- *Innovation trends in the wholesale and retail trade sector, 2019-2021.*



Pictured above from left to right: Prof. Erika Kraemer-Mbula (University of Johannesburg), Dr Crispian Olver (Presidential Commission on Climate Change), Imraan Patel (Department of Science and Innovation), Shameela Soobramoney (National Business Initiative), Dr Phethiwe Matutu (Universities South Africa), Ketso Gordhan (South African SME Fund). (Photograph: Antonio Erasmus/HSRC)

HSRC INNOVATION POLICY FORUM WITH THE PRIVATE SECTOR

Harnessing research, development and innovation to grow the economy and tackle key challenges

CeSTII convened an HSRC forum with Business Unity South Africa and the Department of Science and Innovation. The high-level gathering aimed to deepen private sector engagement with South Africa's innovation policy goals, incentive instruments and data.



Growing investment in research and experimental development (R&D) in South Africa to 1.5% of gross domestic product by 2030 is a key National Development Plan target. But the latest national R&D Survey, covering the 2021/22 financial year, showed gross domestic expenditure on R&D (GERD) as a percentage of GDP to be 0.62%. This represents a major gap, that no one sector alone can bridge. Analysts and policy makers generally agree that achieving the NDP's ambitious target will require far greater expenditure across the board.

Government was the largest funder of R&D, Dr Glenda Kruss, executive head of CeSTII, told the forum, cautioning that there were signs that this might be reaching "its ceiling".

Barriers for business

Efforts were underway to incentivise and stimulate business R&D and innovation activity, the forum heard, but this was met with some reservation by business voices. "We often find that we have good incentives, but the processes to access them are such that people just eventually say, 'It's not worth our while,'" said Business Unity South Africa CEO, Cas Coovadia.

The Technology and Human Resources for Industry Programme (THRIP), which supports R&D and scientific talent in the national interest, emerged as a case in point. While acknowledging its past successes, both the director of the Southern Africa Labour and Development Research Unit, Professor Reza Daniels, and Dr Ronald Heath of Forestry SA, proposed that the DSI/dtic revisit THRIP's current implementation model.

"We often find that we have good incentives, but the processes to access them are such that people just eventually say, 'It's not worth our while'."

CAS COOVADIA
Business Unity
South Africa CEO

“We need to be working in a much more integrated and intentional way. We need a mix of policy instruments and incentives, and we need these in all spheres of the national system of innovation.”

DR GLENDA KRUSS

Executive Head: CeSTII, Human
Sciences Research Council

Fit to purpose

Through its White Paper and Decadal Plan, the Department of Science and Innovation has adopted a national system of innovation approach to innovation policy. This requires joined up work by all actors in the system, and ‘steer’ to ensure it meets policy goals.

“We need to be working in a much more integrated and intentional way. We need a mix of policy instruments and incentives, and we need these in all spheres of the national system of innovation,” Kruss argued. “It’s not going to be one-size-fits-all,” agreed Imraan Patel, DSI’s deputy director-general responsible for research, development and support. “What’s going to be good for the mining sector is going to be very different from the forestry sector.”

*This is an edited version of an article that appeared in the *HSRC Review*.⁸

⁸ <https://hsrc.ac.za/news/economic-development/incentives-for-growing-private-sector-rd-and-innovation-investment-insights-from-industry-leaders/>

STAFF **ACHIEVEMENTS**



Special awards

The CeSTII team received three awards at the HSRC Research Conference 2023. A Flagship Award was presented to the CeSTII team to celebrate and acknowledge 20 years of the annual R&D Survey (pictured above left). Awards for best papers were presented to Dr Mbongeni Maziya (above middle) and Dr Atoko Kasongo (above right).

Appreciation for long service



Dr Glenda Kruss, Executive Head of CeSTII and Natalie Vlotman, Research Manager were recognised with staff awards for 20 years of service to the HSRC and CeSTII.

Excellent Service Award



The Ubuntu team award went to the CeSTII Admin Team in 2023.

Bachelor of Business Administration awarded



CeSTII's Financial Administrator, Maria 'Marinkie' Maluleke graduated with a Bachelor of Business Administration from the Management College of Southern Africa (Mancosa). She joined CeSTII in 2016 after 10 years of work in the research institute sector and was encouraged by Glenda Kruss to pursue her bachelor's degree. With four children and a demanding job, CeSTII celebrates this achievement!



Promotions



Dr Kgabo Ramoroka was promoted to a Senior Research Specialist and Jerry Mathekg to Research Manager.

New appointments



- Rory Liedeman - Fieldwork Supervisor
- Zikhona Ngqula - PhD Trainee
- Lebogang Khoza - PhD Trainee

HONORARY RESEARCH FELLOWS



Dr Isabel Bortagaray

Isabel Bortagaray is a Uruguayan sociologist with a focus on science, technology and innovation policy. She holds a PhD in public policy obtained in 2007 from Georgia Institute of Technology. Bortagaray is an Associate Professor at the Sectoral Commission of Scientific Research, Universidad de la República, Uruguay.



Dr Abiodun Egbetokun

Abiodun Egbetokun is an economist with nearly two decades experience in science, technology and innovation (STI) policy research. He is Assistant Director, Research at the National Centre for Technology Management (NACETEM), Nigeria.



Prof. Björn Jindra

Björn Jindra is Professor (MSO) in International Business at the Department of International Economics, Government and Business, Copenhagen Business School, Denmark. His main research interest is the intersection of international business, innovation and technological change.

THE CeSTII TEAM



Dr Glenda Kruss
Executive Head



Dr Moses Sithole
Research Director



Dr Nazeem Mustapha
Chief Research Specialist



Dr Il-haam Petersen
Chief Research Specialist



Dr Yasser Buchana
Senior Research Specialist



Dr Jacqueline Madeleine Borel-Saladin
Senior Research Specialist



Dr Kgabo Ramoroka
Senior Research Specialist



Dr Atoko Kasongo
Statistician



Dr Amy Kahn
Research Specialist



Dr Mario Clayford
Research Specialist



Natalie Vlotman
Research Manager



Darryn Whisgary
Research Manager



Jerry Mathekga
Research Manager



Pilela Majokweni
Chief Researcher



Theodore Sass
Senior Researcher



Audrey Mahlaela
Researcher



Luthando Zondi
Researcher



Nokhetho Mhlanga
Researcher



Setsoheng Mayeki
Researcher



Lindiwe Binda
Database Analyst



Tlangelani Makamu
Data Analyst



Mbali Bongoza
Junior Data Analyst



Natasha Saunders
Fieldwork Manager



Rory Liedeman
Fieldwork Supervisor



Gerard Ralphs
Programme Manager & Policy Analyst



Dr Nicole van Rheede
Chief Researcher



Dr Mbongeni Mayiza
PhD Intern



Viwe Sigenu
Researcher



Sintu Mavi
PhD Research Intern



Zikhona Ngqula
PhD Trainee



Lebogang Khoza
PhD Trainee



Maria Maluleke
Financial Administrator



Bongiwwe Ngqaqu
PA to Executive Head



Zinziswa Hlakula
Administrator



Avuyile Ntozakhe
Admin Clerk



Mieta Klaasen
Office Cleaner



 ENGAGE WITH US ON X @HSRC_CESTII

 FIND US ON FACEBOOK

 CONNECT WITH US ON LINKEDIN

 JOIN THE CeSTII MAILING LIST - bit.ly/3CO92j

 SEE US ON INSTAGRAM

 LEARN MORE ABOUT US ON [HSRC.AC.ZA](https://www.hsrc.ac.za)