



National Commission for Science, Technology and Innovation (NACOSTI)



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All correspondence should be sent to:

The Editor, STIR Bulletin
Directorate of Corporate Services,
National Commission for Science Technology and Innovation
off Waiyaki Way, Upper Kabete,
P. O. Box 30623, 00100
Nairobi, KENYA
Land line: 020 4007000, 020 2241349, 020 3310571, 020 8001077
Mobile: 0713 788 787 / 0735 404 245
E-mail: customercare@nacosti.go.ke / info@nacosti.go.ke
Website: <http://www.nacosti.go.ke>

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EDITORIAL

“Science and Technology for Prosperity”



Welcome to the 2nd Volume of the STIR Bulletin of 2025, a publication that highlights the activities of National Commission for Science, Technology and Innovation (NACOSTI) as it pursues its mandate of regulating and assuring quality in the research, science, and technology and innovation sector and advising the Government in matters related thereto. This Volume covers the

period from April 2025 to June 2025.

In this volume, we have highlighted the activities the Commission as it continues in the delivery of its mandate. This being the fourth quarter of the Financial Year 2024/2025, the Commission has been completing the programs it had set to the Financial Year. Key amongst these programs has been the guidance of Government Ministries, Departments and Agencies (MDAs) in mainstreaming of Science Technology and Innovation (STI) in their activities as part of their Performance Contracting target for the Financial Year. Towards this end, the Commission has held several capacity building sessions with the MDAs individually and in groups.

The Commission also carried out its mandate of assurance of quality in the Research, Science, Technology and Innovation sector by amongst other activities undertaking monitoring and evaluation of the activities of research institutes and research programs. This is amongst the items covered in this bulletin and

highlights the role of the Commission in as a regulator in the sector.

In addition, the Commission continued building linkages amongst the scientific community locally and internationally. A major achievement in this is the successful hosting of the 4th Multi-Sectoral Conference on Science, Technology and Innovation during which topical discussions on various aspects of Research, Science, Technology and Innovation took place. It was also accompanied by exhibitions by scholars, scientists, innovators and other players in the sector. Highlights of this conference is shared in this Bulletin.

This quarter also witnessed transition in the leadership of NACOSTI, with Prof. Walter Oyawa completing his term of office as the Director General/CEO. Dr. David Ngigi was appointed to act as the Director General/CEO.

I wish you happy reading as you interact with this issue of the NACOSTI STIR Bulletin.

Mr. Gideon Kirui
Bulletin Committee Chairman

REMARKS FROM THE Ag. DIRECTOR GENERAL/CEO

“Science and Technology for Prosperity”



I take this opportunity to welcome you to read the 2nd Edition of the STIR Bulletin, a publication of the National Commission for Science, Technology and Innovation (NACOSTI). STIR Bulletin captures the latest news and featured articles from the Science, Technology and Innovation (STI) sector, and is therefore the voice of stakeholders in the STI Ecosystem as communicated by the STI Regulator, NACOSTI. It serves as part of

the avenues through which we endeavour to reach a wider network of our stakeholders. In the recent past, we have interacted with stakeholder in the STI ecosystem through hosting and participating in conference, seminars and meetings both physically and virtually. This has enabled NACOSTI to share ideas with local and international experts and stakeholders cutting across various science fields and as a result enriched our capacity to execute our mandate.

NACOSTI is established under the Science, Technology and Innovation Act, 2013 (Rev. 2014) with a unique mandate of regulating and assuring quality in the research, science, technology and innovation sector, and advising the Government in matters related thereto. In so doing, the Commission shall Regulate, Coordinate, Advise and Promote Science, Technology, Innovation and Research activities in the country.

Among others, the functions of NACOSTI include; developing priorities in scientific, technological and innovation activities in Kenya, Registering and Accrediting Research Institutions, Licensing of Research and assuring relevance and quality of research programmes in research institutions, coordinating and evaluating activities relating to scientific research and technology development, annually reviewing the progress in scientific systems, and promoting the adoption and application of scientific and technological knowledge in attaining national development.

Further, the Science, Technology and Innovation (STI), Legal Notice No. 108 (Research Licensing) Regulations, 2014 obligates all persons intending to undertake scientific research in Kenya to obtain a license in accordance with the Act. In this regard, we have made this process easy and convenient for you all by making it available online.

I trust that you will enjoy interacting with the information presented herein. Feel free to contact us through our telephone numbers, email and all our social media platforms.

Dr. David Ngigi, PhD
National Commission for Science, Technology and Innovation (NACOSTI)

NACOSTI MANDATE, VISION, MISSION, CORE VALUES, & FUNCTIONS

Mandate

The objective of the Commission shall be to regulate and assure quality in the science, technology and innovation sector and advise the Government in matters related thereto.

Vision

Accelerate the Transformation of Kenya as a knowledge-based economy.

Mission

To facilitate quality in the research, science, technology and innovation sector through regulation, promotion and provision of advisory services.

Core Values

The Commission upholds Integrity, Customer Focus, Professionalism, Teamwork and Leadership in the discharge of its mandate.

Functions

- a) Develop, in consultation with stakeholders, the priorities in scientific, technological and innovation activities in Kenya in relation to the economic and social policies of the Government, and the country's international commitments.
- b) Lead inter-agency efforts to implement sound policies and budgets, working in collaboration with the county governments, and organizations involved in science and technology and innovation within Kenya and outside Kenya.
- c) Advise the national and county governments on the science, technology and innovation policy, including general planning and assessment of the necessary financial resources.
- d) Liaise with the National Innovation Agency and the National Research Fund to ensure funding and implementation of prioritized research programmes.
- e) Ensure co-ordination and co-operation between the various agencies involved in science, technology and innovation.
- f) Accredite research institutes and approve all Scientific research in Kenya.
- g) Assure relevance and quality of science, technology and innovation programmers in research institutes.
- h) Advise on science education and innovation at both basic and advanced levels.
- i) In consultation with the National Research Fund Trustees, sponsor national scientific and academic conferences it considers appropriate.
- j) Advise the Government on policies and any issue relating to scientific research systems.
- k) Promote increased awareness, knowledge and information of research system.
- l) Co-ordinate, monitor and evaluate, as appropriate, activities relating to scientific research and technology development.
- m) Promote and encourage private sector involvement in scientific research and innovation and development.
- n) Annually, review the progress in scientific research systems and submit a report of its findings and recommendations to the Cabinet Secretary.
- o) Promote the adoption and application of scientific and technological knowledge and information necessary in
- p) Develop and enforce codes, guidelines, and regulations in accordance with the policy determined under this Act for the governance, management and maintenance of standards and quality in research systems.
- q) Undertake, or cause to be undertaken, regular inspections, monitoring and evaluation of research institutions to ensure compliance with set standards and guidelines.

KENYA RAMPS UP RESEARCH, SCIENCE, TECHNOLOGY, AND INNOVATION AGENDA AS NACOSTI HOSTS MULTI-SECTORAL CONFERENCE ON RST&I



Figure 1: Group photo of participants during the 4th NACOSTI Multi-sectoral Conference and Exhibitions on Research, Science, Technology, and Innovation (STI) at Lake Naivasha Resort, running from June 9th-12th, 2025

The Principal Secretary Science, Research, Innovation, Ministry of Education Prof. Shaukat Abdulrazak, PhD, EBS officially opened the 4th NACOSTI Multi-sectoral Conference and Exhibitions on Research, Science, Technology, and Innovation (STI) at Lake Naivasha Resort, running from June 9th-12th, 2025. He also gave remarks on behalf of the Cabinet Secretary, Ministry Education.

In his speech, the PS highlighted the critical role of STI in Kenya's journey towards inclusive, knowledge-driven development, aligning with Vision 2030 and the Bottom-Up Economic Transformation Agenda (BETA).



Figure 2: Prof. Shaukat Abdulrazak, PhD, EBS, Principal Secretary Science, Research, Innovation

The PS thanked the Conference organizer, NACOSTI and its co-convenors KeNIA, NRF, KoTDA, KIPI, EBK and Sigalagala National Polytechnic amongst others, emphasizing the importance of multi stakeholder collaboration across government, academia, private sector, and counties.

The PS noted the involvement of high school students in the conference as a way of mentorship and nurturing their interest in STEM as a pathway to the next-generation workforce. In relation to this, he affirmed his commitment to reintroducing the Annual Science, Technology and Innovation (STI) Week. This critical platform will reinforce Kenya's position as a regional leader in STI, driving forward our national agenda and global competitiveness.

Pictorial



Over 34 paper presentations



Exhibitions on Research, Science, Technology, and Innovation



DR. DAVID NGIGI APPOINTED ACTING DIRECTOR GENERAL OF NACOSTI



Figure 3: David Ngigi, PhD

The National Commission for Science, Technology and Innovation (NACOSTI) has announced the appointment of Dr. David Ngigi as its new Acting Director General. The appointment is effective immediately.

Dr. Ngigi takes over the leadership mantle from Prof. Walter O. Oyawa, who has steered the commission through a significant phase of growth and regulation within Kenya's Science, Technology, and Innovation (STI) ecosystem.

Dr. Ngigi is a distinguished Entomologist with over 22 years of professional experience in both the public and private sectors, and is recognized as a champion for STI in Kenya.

Prior to his elevation, Dr. Ngigi served as the Director of Advisory, Standards, and Licensing at NACOSTI.

He also previously headed the Institutional Registration and Accreditation Department. In this capacity, he successfully spearheaded national initiatives to:

- Mainstream STI in government agencies.
- Strengthen research ethics oversight.
- Facilitate the establishment of new research institutions.

We wish Dr. Ngigi great success in his new role as he leads the Commission into its next phase.

TAKING CHARGE IN MAINSTREAMING STI FOR NATIONAL GROWTH



Figure 4: Participants during the sensitization workshop

In a bid to strengthen its academic and operational frameworks, Kenyatta University recently hosted a managerial staff sensitization workshop on Science, Technology, and Innovation

(STI) Mainstreaming. Held on 12th and 13th March 2025 at the Business and Students Service Complex (BSSC) Mall, the event brought together Deans, Deputy Deans, Chairpersons of

Departments, Research, Innovation, and Outreach coordinators, STI Champions, and Focal Persons to explore how STI can be seamlessly integrated into the university's strategic plans.

Officially opened by the Ag. Deputy Vice Chancellor for Research, Innovation, and Outreach, Prof. Caroline Thoruwa, on behalf of Ag. Vice Chancellor, Prof. Waceke Wanjohi, the workshop aimed to sensitize staff and raise awareness on the importance of STI in advancing research, technological innovation, and societal development. Among the participants were Mr. Javan Mwiti, Resource Person at the National Commission for Science, Technology, and Innovation (NACOSTI), and Dr. David Ngigi, Director of Advisory Standards and Licensing at NACOSTI.



Figure 5: Prof. Caroline Thoruwa, Ag. Deputy Vice Chancellor for Research, Innovation, and Outreach, KU

In her speech, Prof. Thoruwa underscored the critical role of STI in driving inclusive growth and sustainable development, not only for the university but also for the nation. She highlighted Kenyatta University's recognition as Academia Innovation of the Year at the Kenya Innovation Week 2024, emphasizing that STI will be central to the institution's teaching, learning, and daily operations. She encouraged participants to take charge in embracing research and innovation, seek collaborative partnerships, and pursue research funding to support innovation.

The workshop provided a dynamic platform for intellectual exchange on how to embed STI across the University's academic and operational sectors. The discussions explored strategies for strengthening research outputs, fostering technological advancement, and integrating STI into various disciplines. By engaging key academic leaders and administrators, Kenyatta University is laying the foundation for a robust STI framework that will enhance the university's global impact while contributing to regional and national development.

The event also stressed the importance of collaboration between academia and national institutions to foster innovation-driven growth, setting the stage for a new era of transformative research at Kenyatta University.

Source:

<https://www.ku.ac.ke/index.php/component/k2/item/3360-workshop-on-mainstreaming-science-tech-and-innovation>

KEMRI SIGNS LANDMARK GBP 91 MILLION PARTNERSHIP WITH WELLCOME AND UNIVERSITY OF OXFORD TO BOLSTER HEALTH RESEARCH IN KENYA



Figure 6: Group Photo

The Kenya Medical Research Institute (KEMRI) has officially entered into a seven-year Memorandum of Understanding (MoU) with Wellcome, a UK-based charitable foundation, and the University of Oxford. The agreement was signed on Thursday

evening, 27th, March 2025, at the Wellcome headquarters in London, marking a significant boost for medical research and training in Kenya.

Under the partnership, Wellcome and the University of Oxford will support research activities with a funding commitment of up to GBP 91 million (KES 15 billion) over the next seven years. KEMRI's Acting Director General and CEO, Prof. Elijah Songok, signed the MoU alongside Dr John-Arne Røttingen, Chief Executive Officer of Wellcome, and Prof. Gavin Screaton, Head of Medical Sciences at Oxford's Nuffield Department.

Prof. Songok highlighted the strategic importance of the KEMRI-Wellcome-Oxford Programme, emphasizing its contribution of over 30 percent of KEMRI's research output. "The Programme remains one of KEMRI's flagship research and training initiatives, continuously making impactful contributions to health research and capacity building," he stated.

Dr. Røttingen underscored Wellcome's focus on supporting science to address the most urgent global health challenges facing everyone, including mental health, climate change, and infectious diseases. "We are proud of what our collaboration has achieved over the years and are excited to continue contributing towards better health outcomes in the years to come," he noted.

Prof. Screaton reiterated the University of Oxford's commitment to fostering equitable research collaborations worldwide, particularly with researchers across Africa. "We are dedicated to advancing learning and research that positively impacts millions of lives globally," he remarked.

The ceremony was attended by a distinguished delegation, including: Dr. Abdullahi Ibrahim Ali, Chairman of the KEMRI

Board of Directors, Ms. Veska Kangongo, Advisor, Strategy and Execution from the Executive Office of the President, Mr. Christopher Marwa, KEMRI Board Director, Ms. Margaret Rigoro, Acting Director of Legal Services, KEMRI and Mr. James Wodera, Principal Corporate Communications Officer and Head of Media, Communications, and Publications, KEMRI.

The team representing Wellcome included, Dr. Jimmy Volmink, Executive Director, Equity, Chris Bird, Chief Legal Officer, Dr. Julia Kemp, Head of Major International Programmes and Yolisa Nalule, Senior Manager, Major International Programmes.

The University of Oxford delegation had, Prof. Susan Dunachie, Director of the Nuffield Department of Medicine Centre for Global Health Research, Prof. Chris Price, Divisional Registrar and Chief Operating Officer, Medical Sciences Division and Mr. Ed Gibbs, Chief Operating Officer, Nuffield Department of Medicine.

Thursday's agreement builds upon a previous Memorandum of Agreement (MoA) signed on 27th, November 2024, which renewed formal collaborations following the expiration of earlier agreements which also at the time, coincided with Wellcome's commemoration of 60 years of presence and collaboration in Kenya.

KEMRI's partnership with Wellcome and the University of Oxford, which spans over 36 years, has yielded groundbreaking research in malaria, pneumonia, meningitis, HIV, malnutrition, and COVID-19, among others. This continued collaboration has also facilitated the development and testing of critical vaccines,

including two malaria vaccines and the Rift Valley Fever vaccine under the One Health approach.

The partnership has significantly contributed to generating evidence for advancing Universal Health Coverage (UHC) in Kenya and the region, further cementing KEMRI's position as a leader in health research and innovation.

“As we embark on this renewed journey with Wellcome and the University of Oxford, we are reaffirming our commitment to cutting-edge research and innovative solutions that address some of the most pressing health challenges of our time. This partnership is not just an investment in research; it's an investment in healthier, more resilient communities across Kenya and beyond,” said an excited Prof. Songok.

Source: <https://kemri-wellcome.org/kemri-signs-landmark-gbp-91-million-partnership-with-wellcome-and-university-of-oxford-to-bolster-health-research-in-kenya/>

KENYA TO TAKE LEAD IN ETHICAL, INCLUSIVE AND INNOVATION DRIVEN AI ADOPTION

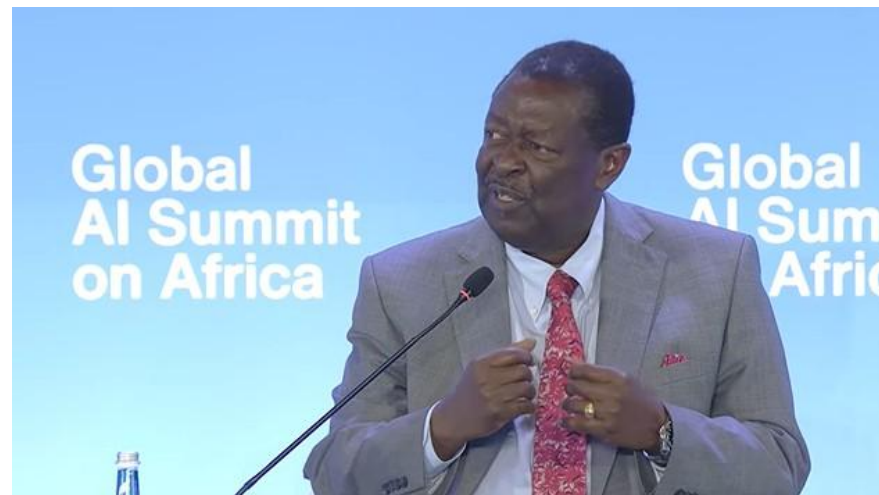


Figure 7: H.E. Dr. Musalia Mudavadi, EGH. Prime Cabinet Secretary and Cabinet Secretary for Foreign and Diaspora Affairs. During Global AI Summit 2025 in Kigali, Rwanda

Kenya is positioning itself to be Africa's leading artificial intelligence (AI) hub for model innovation, driving sustainable development, economic growth and social inclusion.

Prime Cabinet Secretary Musalia Mudavadi has said Kenya strives to take lead in AI research and application keeping in mind the transformative potential of AI moving into the future.

Mudavadi who represented Kenya at the just concluded Global AI Summit 2025 in Kigali, Rwanda has affirmed that Kenya is also looking at ensuring the AI ecosystem is secure.

“In Kenya, there’s already a very serious conversation that is taking place and our focus is implement a strategy that provides a comprehensive framework to guide Kenya in harnessing the transformative power of AI, ensuring its deployment benefits all sectors of society while adhering to ethical principles and inclusivity.” said Mudavadi.

“As a continent, we need to not allow ourselves to be driven by fear. Fear should not drive us out of town on this agenda of artificial intelligence.” added Mudavadi.

Mudavadi noted that Kenya is setting out a government-led vision for ethical, inclusive, and innovation-driven AI adoption that will not only shape Kenya’s future but also be a strategic landmark on the continent.

This he said is backed by the recently released first National Artificial Intelligence Strategy (2025–2030), by the Ministry of Information, Communications and the Digital Economy.

He explained that at the core of this strategy is Kenya’s aspiration to adopt AI technologies and lead in AI model innovation and commercialization, creating solutions tailored to its unique needs and those of the African continent.

“Investment in education becomes very critical considering our budgetary allocation of up to Ksh 600 billion one education. We need to ensure that component of our budget is driven to the right programs tailored towards tooling the youth towards AI driven technologies” explained Mudavadi.

“Kenya’s programs that focus on Science, Technology, Engineering and Mathematics will be re-defined and strengthened because we have a massive young techno-savvy population that need to be equipped at the onset.” he added.

Mudavadi said healthcare, agriculture, financial services and public administration are named as strategic AI priorities for Kenya with health tech and smart agriculture being some of the examples that Kenya is investing heavily upon to ensure its AI envisioned strategy takes off at a rapid speed.

The expanded digital infrastructure, data centers, and cloud resources, as well as national research hubs are among other resources that Kenya is building its AI capacity around with key legislations being drafted to guide this space.

“What Kenya is also doing is to have sweeteners to attract the youth in the fields like agriculture, and that is where AI comes in to ensure that the youth take interest in sectors that initially largely relied on traditional labour-intensive practices.” Noted the Prime CS.

In Kigali, the Prime Cabinet Secretary outlined Kenya’s interventions in ensuring that it gains enough computing infrastructure to power its AI given that it is one of Africa’s largest producers of renewable energy and also ranked amongst the top 5 Africa’s most AI-ready nations as per the Oxford Insights’ 2022 report.

He told the summit that Kenya is heavily investing in building data centres to address the shortage of computing infrastructures keeping in mind that energy is becoming a critical infrastructure to power the data centres in future.

Prime Cabinet Secretary Musalia Mudavadi has said Kenya strives to take lead in AI research and application keeping in mind the transformative potential of AI moving into the future.

Mudavadi noted that Kenya's grid is about 93% green energy focused on renewable and green energy, saying the key component of investing in energy as a continent will help drive the AI agenda steadily.

"We need to also look broadly on how we invest in the energy sector as a continent. Because we have made it quite expensive, in my view, for people to invest in the energy sector on the continent. We need to look at this component critically and what would be the incentives we can give so that those who want to come and invest in particularly solar, wind and geothermal energy do it with ease." He told the Global AI Summit.

"We also need to work closely, coordinate as a continent, and make sure that we direct resources to upgrade our capacity in artificial intelligence and in technology as a whole. Policy makers on the continent need to look at specific areas of interest keeping in mind that artificial intelligence is the heart of the fourth industrial revolution, reshaping economies, redefining power, and rewriting the rules of progress." added Mudavadi.

The summit acknowledged that Africa's future on AI should be built by design and not by default.

"As governments we don't have enough resources to drive this AI and other technologies. As a continent we must loosen up and ensure that we bring the private sector on board and collaborate with them and allow them to thrive in nearly all sectors." said Mudavadi.

The African Union has already adopted a number of policy frameworks that will enable the continent develop AI strategies with an establishment of a 5-year plan, phased between 2025-2026 and 2028-2030.

Source: <https://www.citizen.digital/news/kenya-to-take-lead-in-ethical-inclusive-and-innovation-driven-ai-adoption-mudavadi-n360549>

NACOSTI STAFF NEWS

NACOSTI BIDS FAREWELL TO STAFF



*Prof. Walter O. Oyawa, PhD
Director General/CEO*



*Mr. Timothy Mutanda
Internal Audit Officer*



*Veronica Ratemo
Principal
Human Resource Officer*

Prof. Walter O. Oyawa has since retired from service. Prof. Oyawa had been an invaluable member of the commission as a Director General/CEO, making significant contributions to the field during his tenure. His retirement marked the end of an era and the beginning of the next stage of his life.

Mr. Timothy Mutanda, Internal Audit Officer and Ms. Veronica Ratemo, Principal Human Resource Officer left the service to pursue other opportunities.

NACOSTI wishes both of them all the very best in his future endeavors and the next season of his life.

RESEARCH NEWS FROM THE WORLD

GERMANY TO CREATE 'SUPER-HIGH-TECH MINISTRY' FOR RESEARCH, TECHNOLOGY, AND AEROSPACE



Germany will get a new “super-high-tech ministry” responsible for research, technology, and aerospace, according to the coalition agreement published by the incoming government this week.

The announcement is one of several nods to science in the 144-page agreement, unveiled on 9 April following weeks of negotiations between the center-right Christian Democrats (CDU) and its sister party, the Christian Social Union in Bavaria (CSU)—who together won the most seats in February’s federal

elections—and the center-left Social Democrats. The agreement is expected to be formally approved by the three parties by early May, paving the way for CDU leader Friedrich Merz to be elected chancellor.

Under the plans, the current Ministry of Research and Education will be split. A new ministry for research, technology, and aerospace will be formed, and the education portfolio will be taken over by the current ministry for family, seniors, women, and youth. It is the first time in 3 decades that German research and technology will be under the same ministry, with research separate from education.

That’s a positive move, says Georg Schütte, CEO of the Volkswagen Foundation, the largest independent research funder in Germany. “I’m quite happy there’s a realignment,” he says. “Things are coming together that belong together.” Technology and aerospace, until now governed by the economics ministry, are intertwined with research, he says, and the division between science and education better reflects how responsibilities are divided at the European Union’s ministers’ council, which negotiates and adopts EU laws and budgets.

The agreement stipulates that the CSU will be in charge of the “super-high-tech ministry,” as party leader Markus Söder called it in a press conference this week. The CSU has not proposed a minister yet, but it’s widely expected that Dorothee Bär, who was

in charge of “digital infrastructure” in previous governments under former Chancellor Angela Merkel, will get the nod.

The new agreement lists a number of scientific priorities for the new government, including support for artificial intelligence, quantum technologies, biotechnology, microchip development and production, and fusion energy. “Our goal is that the world’s first fusion reactor should be realized in Germany,” the text states. It also mentions personalized medicine, oceans research, and sustainability research as “strategic” areas. But the agreement does not include any budget estimates, and observers caution it is unclear where the money for new programs would come from. The agreement does affirm current commitments to increase the budgets of the country’s main research organizations by 3% per year through 2030.

In a section titled “scientific freedom,” the document seems to refer at least obliquely to developments in the United States, where scientists working on topics such as gender, global health, and climate change have seen their funding slashed and important data sets have been scrubbed from the websites of federal agencies. “Funding decisions will be based on science-driven criteria,” the document states. “It seems like that should be a no-brainer, but we have seen how quickly it can change,” says Eva Winkler, an oncologist and medical ethicist at Heidelberg University and a member of the German Ethics Council. The parties also state they “want to safeguard scientifically relevant data sets whose existence is threatened and keep them accessible worldwide.”

Germany could benefit from the political upheaval in the U.S. and elsewhere, the document suggests. The government plans to launch a program called 1000 Minds, to attract international talent and “maintain Germany as an attractive destination” during an era of polarization. The parties have not provided details, but Winkler says she hopes the program will “make it easier to recruit the best international people.” Current practices can make international hires especially complicated, she says.

The parties also gave a nod to science’s role in building up Germany’s military and defense capabilities, Schütte notes. The new government plans to expand peace and conflict research and will “enable more targeted cooperation” between researchers at public institutions, companies, and the military to work on security and defense research. This has long been a sensitive topic in Germany, where many universities have adopted a pledge not to work on military or dual-use research. Those pledges have quietly been dropped in many places, Schütte says. Germany needs a new alignment of defense policy and research policy, but “we do not yet know how to do this,” he says. “We have to come to grips with it.”

Source: <https://www.science.org/content/article/germany-creates-super-high-tech-ministry-research-technology-and-aerospace>

THE ERA OF AID OR FREE MONEY IS GONE. AFRICA MUST OVERHAUL ITS APPROACH TOWARD ACHIEVING FAST-PACED DEVELOPMENT



Figure 8: Kenyatta University Main Campus

In the face of dwindling global funding, tariffs, and geopolitical tensions, African Development Bank Group President Akinwumi Adesina said on Friday that Africa must wean itself from aid dependency and urgently chart its future through self-reliance,

strategic partnerships, and leveraging its vast natural resources. He spoke on Friday in Abuja at the 14th Convocation Ceremony of the National Open University of Nigeria (NOUN), where he delivered a thought-provoking lecture.

The address “Advancing Africa’s Positioning within Global Development and Geopolitical Dynamics” outlined a bold vision for Africa’s future in a rapidly changing global landscape.

“The recent dismantling of the official development aid agency in the US, and similar anti-aid measures in other parts of Europe, means that the old development models that Africa has always relied on will no longer work,” he told the audience.

“The era of aid or free money is gone. African countries must now learn to develop via investment discipline. Countries can no longer rely on aid for growth or count it as part of government revenue, as has been the case for decades. Benevolence is not an asset class,” the Bank Group president said.

At Nigeria’s largest open university, Adesina emphasized that Africa must overhaul its approach to achieving fast-paced growth and development. He said for the continent to spur growth it should rapidly ensure the full implementation of the African Continental Free Trade Area: “Produce local, buy local, trade more locally,” he charged the continent.

Adesina highlighted several critical challenges facing the continent, including declining development aid, restrictive immigration policies, undervalued natural capital, and global tariff wars. However, he positioned these challenges as opportunities for Africa to redefine its global standing.

The African Development Bank is leading the development of a new framework to re-estimate Africa’s GDP based on the proper

valuation of its vast natural capital. This will lower Africa’s debt to re-estimated GDP and expand its ability to borrow more resources to finance its development. The Bank believes properly valuing Africa’s green wealth will improve the risk profiles and credit ratings of countries across the continent.

He said of recent global tariff tensions: “47 out of 54 African countries have been placed under higher US tariffs. The immediate direct effects of the tariffs on African countries will be a significant reduction in exports and foreign exchange availability. This will send other shock waves through African economies.”

He continued: “Local currencies will weaken on the back of reduced foreign exchange earnings. Inflation will increase as costs of imported goods rise and currencies devalue against the US dollar. The cost of servicing debt as a share of government revenue will rise, as expected revenues decline.”

To build resilient economies, Adesina said: “Africa must chart its future, relying not on the benevolence of others but on its own determination for self-reliance, building reliable alliances, leveraging opportunities in the global dynamics, while putting Africa first. Only then will Africa be great again!”



Figure 9: AfDB president Akinwumi Adesina performs groundbreaking ceremony for the Regional Training and Research Institute for Distance and Open Learning building at the National Open University of Nigeria Abuja

Some key initiatives led by the African Development Bank under Adesina's leadership include the establishment of the Africa Financing Stability Mechanism to help African countries refinance debt service payments; the development of Security-Indexed Investment Bonds to rebuild areas devastated by conflict; the creation of the African Credit Risk Agency to fairly assess Africa's investment risks; the implementation of the \$25 billion African Adaptation Acceleration Program to support the continent's resilience to climate change; and the development of a framework to revalue Africa's GDP based on its natural capital wealth.

The Bank Group president emphasized the importance of adding value and processing natural resources, explaining that this is the key to Africa's future prosperity. He also cautioned that Africa must also carefully negotiate its engagement in the global geopolitical rush for critical minerals and rare earth elements. "Africa can be competitive in these global value chains. It must

move away from exporting raw minerals and move into processing and value addition to benefit from the high returns at the top of global value chains," Adesina said who was accompanied by his wife Grace Yemisi Adesina.

He called for greater value addition to everything Africa produces, from oil to gas, minerals, metals, rare earths, and agricultural products.

The African Development Bank is working with the African Union and the Economic Commission for Africa to develop the African Green Minerals Strategy. The strategy will support countries in embracing strong corporate governance, transparency, environmental protection, and sound mineral stewardship, including social responsibility and protection of communities' lands and rights.

"Africa must end the exports of its raw materials," Adesina warned. "The export of raw materials is the door to poverty. The export of value-added products is the highway to wealth. And Africa is tired of being poor."

The lecture also addressed the importance of investments in youth education and entrepreneurship. With Africa's population projected to reach 2.4 billion by 2050 and 75% under 35, Adesina stressed the need for quality education and skills development aligned with the digital economy.

As he approaches the end of his second five-year term as president of the African Development Bank Group in September,

Adesina reflected on his legacy of strengthening and transforming the institution. Under his leadership, the Bank's general capital increased from \$93 billion in 2014 to \$318 billion today, while achieving recognition as the Most Transparent Financial Institution in the world for two consecutive years.

Adesina will be awarded an honorary doctorate from NOUN on Saturday. He is dedicating the honor to his late father, Roland F. Adesina, whom he credits with instilling in him the value of education.

The National Open University of Nigeria is considered Africa's largest and the world's second largest open learning university. Through distance learning and online education, NOUN offers over 2,000 courses to more than 600,000 students, providing accessible and quality education to all Nigerians.

The Vice Chancellor of the university, Prof. Olufemi Peters, told the gathering that Adesina was carefully chosen to deliver this year's convocation lecture "to enable Nigerians to benefit from his outstanding global experience".

Adesina also performed the groundbreaking ceremony for the Regional Training and Research Institute for Distance and Open Learning building at the university. The institute is a flagship open and distance learning center in West Africa.

Source: <https://www.afdb.org/en/news-and-events/press-releases/era-aid-or-free-money-gone-africa-must-overhaul-its-approach-toward-achieving-fast-paced-development-82827>



NATIONAL COMMISSION FOR SCIENCE, TECHNOLOGY AND INNOVATION (NACOSTI)

Upper Kabete, Off Waiyaki Way, P.O. Box 30623 – 00100, Nairobi, Kenya

TEL: 020 400 7000, 0713 788787, 0735 404245; Email: info@nacosti.go.ke ; Website: www.nacosti.go.ke

PUBLIC NOTICE

Licensing of Research in Kenya

The National Commission for Science, Technology and Innovation is established by the Science, Technology and Innovation (STI) Act, No. 28 of 2013, Revised in 2014 (the Act) as a State Corporation. The Commission **regulates and assures quality in Science, Technology and Innovation Sector and advises the Government in matters related thereto**. In this regard, the Act stipulates seventeen (17) functions of the Commission. Among the functions of the Commission, Section 6(1)(f) of the STI Act 2014 [2013] specifies that the **Commission shall** accredit research institutes and **approve all Scientific research in Kenya**.

Consequently, **Section 12(3) of the Act requires that any person undertaking or intending to undertake research in science and technology in the country, or who accesses, handles, or transfers any material or technology or moves it within, from or into the country, shall apply to the Commission for the grant of a licence in accordance with the Act.**

Section 12(5) of the Act further **directs that no licence shall be granted** by the Commission for any research involving activities which;

- (a) may **adversely affect the culture** of any community in Kenya;
- (b) may **adversely affect the environment**;
- (c) may **result in the exploitation of intellectual property rights of communities** to their traditional knowledge.
- (d) may, in the view of the Commission, **adversely affect the lives of Kenyans**.

Section 13(1) of the Act reinforces Section 12(5) by directing that the Commission shall, upon receipt of an application under section 12, evaluate the application, and if **satisfied that the conduct of the research is beneficial to the country, and that the research shall not adversely affect any aspect of the nature, environment or the security of the country**, issue to the applicant a licence in the prescribed form.

Pursuant thereto, members of the public are hereby notified that according to the Science, Technology and Innovation Act 2014 [2013], Scientific Research in Kenya must be approved and licensed by the Commission.

As stipulated in Section 15 of the Act, any person who accesses, handles, transacts, transfers or moves any specified technology or any material necessary for scientific research within, into or from Kenya without a licence issued under this Act; or contravenes the provisions of Section 12 of the Act, **commits an offence** and shall, in addition to any other penalty which may be provided for in this Act or any other

written law, be liable on conviction to a fine not exceeding five million shillings or to imprisonment for a term not exceeding four years, or both.

For further clarification kindly contact the Commission, or visit online services at <https://research-portal.nacosti.go.ke/>

PROF. WALTER O. OYAWA, PhD
DIRECTOR GENERAL

NACOSTI is ISO 9001:2015 Certified

SERVICE CHARGES

Fees/Charges for Research Licensing

Table 1: Current fees/charges for Research Licensing

No	Category of Research License	Fees/charges
1)	Kenya Citizens: Diploma / Undergraduate	Ksh. 100
	Kenya Citizens: MA/MSc	Ksh. 1,000
	Kenya Citizens: PhD	Ksh. 2,000
	Kenya Citizens: Individual / Post Doctoral	Ksh. 5,000
	Public Institutions	Ksh. 10,000
	Private Institutions	Ksh. 20,000
2)	EAC Citizens: Diploma / Undergraduate	Ksh. 100
	EAC Citizens: MA/MSc	Ksh. 1,000
	EAC Citizens: PhD	Ksh. 2,000
	EAC Citizens: Individual / Post Doctoral	Ksh. 5,000
3)	Rest of Africa: Diploma / Undergraduate	Ksh. 200
	Rest of Africa: MA/MSc	Ksh. 2,000
	Rest of Africa: PhD	Ksh. 4,000
	Rest of Africa: Individual / Post Doctoral /Non-academic Doctoral	Ksh. 10,000

4)	Non-Africans: Diploma / Undergraduate	US\$ 150
	Non-Africans: MA/MSc	US\$ 350
	Non-Africans: PhD	US\$ 400
	Non-Africans: Individual / Post Doctoral /Non-academic	US\$ 500

Notes:

1. Non-Kenyans in local institutions with work permits and/or Permanent Resident Permits to pay same as Kenya citizens.
2. Students in local institutions of higher learning pay same as citizens.
3. The Supervisor may apply on behalf of a class undertaking Diploma or Degree course, however the service cost will be dependent on the number of students

Fees/Charges pertaining to Research Institutions

Table 2: Current fees/charges for Registration of Research Institutions, Accreditation of Research Programmes, and Monitoring and Evaluation of Research Institutions

No.	Services	Current fee in KES
1)	Registration of Research Institutions	250,000
2)	Accreditation of Research Programmes	250,000
3)	Inspection, Monitoring and Evaluation of Research Institutions	A basic fee of 275,000 will be levied per inspection in addition to any other additional costs that will be related to the inspection

DRAFT GUIDELINES FOR STAKEHOLDER INPUT, COMMENTS, AND RECOMMENDATIONS

The National Commission for Science, Technology and Innovation (NACOSTI) is established by STI Act 2013(Rev. 2014) with the objective of regulating and assuring quality in the science, technology and innovation sector and advise the Government in matters related thereto. Further, Section 6(1)(p) of the STI Act mandates the Commission to develop and enforce codes, guidelines and regulations in accordance with the policy determined under this Act for the governance, management and maintenance of standards and quality in research systems. In this regard, the Commission has developed draft guidelines as listed below, and hereby invites stakeholders for their written input, comments, suggestions and recommendations by September 2021. In this regard, the Commission has developed draft STI Priorities, and Guidelines as listed below, and has circulated the same to stakeholders for their input, comments, suggestions, and recommendations. The Commission therefore reminds stakeholders who have not yet submitted their written input, suggestions and recommendations to the Commission for consideration to do so by the latest 30th November, 2021. The documents may be downloaded at NACOSTI Website www.nacosti.go.ke

- **DRAFT “NATIONAL GUIDELINES FOR REGISTRATION, LICENSING, AND REGULATION OF RESEARCHERS IN KENYA”.**
The Guideline is in line with Section 15 of the Legal Notice 106 of 2014, of the STI Act 2013, titled “STI (Registration and Accreditation of Research Institutions) Regulations, 2014”, which mandates the Commission [to register, license and regulate researchers in the Scheduled Science areas](#).
- **DRAFT “NATIONAL GUIDELINES FOR ACCREDITATION OF ACADEMIC JOURNALS IN KENYA”.**
The Guideline is in line with Section 26 of the STI Act which specifies that “[Research findings and information regarding research systems shall be stored or disseminated, utilized or applied in such a manner as may be prescribed by the Commission from time to time](#)”.

CURRENT NACOSTI STAFF



*Dr. David Ngigi
Ag. Director General*



*Mr. Gideon Kirui
Director,
Corporate Services*



*Dr. Benson Kinyagia
Deputy Director,
Biological and Health Sciences*



*Mr. Godfrey Kalerwa
Deputy Director,
Research Standards and
Licensing*



*Christine Apakoreng
Deputy Director
Institutional Registration and
Accreditation*



*Ms. Jennifer Murgor
Manager,
Human Resource Management*



*Ms. Margaret Muthee
Deputy Director,
Humanities and Social Sciences*



*Ms. Yasmin Hussein
Manager,
Supply Chain Management*



*Shadrack Kiptoo
Manager
Internal Auditor*



*Mr. Stephen Situma
Ag. Scientist, Deputy Director,
Physical, Industrial, Computing
and Engineering Sciences*



*Ms. Eunita Ogindo
Ag. Finance Manager*



*Mr. Julius Mwangi
Principal Scientist,
Agricultural Environment and
Natural Resources*



*Ms. Charity Muchoki
Principal Scientist,
Agricultural Environment and
Natural Resources*



*Ms. Teresia Nyawira
Principal Scientist,
Biological and Health Sciences*



*Dr. Mary Onsarigo
Principal Scientist,
Biological and Health Sciences*



*Ms. Evelyn Mbaabu
Principal Scientist,
Humanities & Social Sciences*



*Mr. Denis Yegon
Principal,
Licensing Officer*



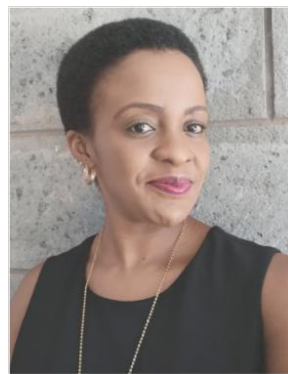
*Harriet Kinya
Principal
Institutional Registration and
Accreditation Officer*



*Carolyne Nekesa
Principal
Institutional Registration and
Accreditation Officer*



*Mr. Muhanji Ambani
Senior Administration Officer*



*Ms. Mildred Mugambi
Senior Corporate
Communications Officer*



*Ms. Ruth Were
Senior Supply Chain
Management Officer*



*Ms. Alice Otwor
Senior Scientist,
Humanities & Social Sciences*



*Ms. Lilian Awala
Senior Scientist,
Humanities & Social Sciences*



*Mr. David Amiani
Senior Scientist, Physical,
Industrial, Computing and
Engineering Sciences*



*Mr. Ezekiah Gatheru
Senior Scientist, Physical,
Industrial, Computing and
Engineering Sciences*



*Ms. Joan Chepleting
Research Quality Assurance
Officer*



*Mr. Steven Indimuli
Research Quality Assurance
Officer*



*Ms. Rael Adhiambo
Scientist,
Agricultural Environment and
Natural Resources*



*Ms. Pauline Kuyan
Accountant*



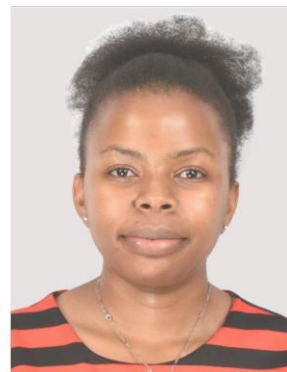
*Mr. Rollex Opondo
Records Management Officer*



*Mr. Phelix Awuor
Records Management Officer*



*Mr. Cyprian Karithi
Records Management Officer*



*Mitchell Gakii
ICT Officer*



*Robert Mobisa
Scientist,
Agricultural Environment and
Natural Resources*



*Ms. Olive Munavu
Scientist
Humanities and Social Sciences*



*Ms. Wairimu Ikua
Senior Officer Administrator*



*Ms. Christine Kayesi
Senior Officer Administrator*



*Ms. Millicent Okuku
Officer Administrator*



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HR, Officer*



*Ms. Ruth Asati
Senior Customer Care Assistant*



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Accounts Assistant*



*Juliane Apondi
Security Officer'*



*Lencer Akoth
Licensing Officer*



*Ms. Kulah Abdikadir
Account Assistant*



*Mr. Paul Anuro
Senior Driver*



*Mr. Pius Samoei
Senior Driver*



*Mr. Abdi Ibrahim
Senior Driver*



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Scientist, PICES.*



*Mr. David Mukhwana
Office Administrator*



*Mr. Patrick Omondi
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*Mr. Evans Njuguna Kiuna,
Scientist, Humanities & Social
Sciences*



*Mr. Kevin Olenyo
Driver*



*Ms. Adelide Muteitsi
Office Administrator*



*Ms. Celina Gacheri
Office Administrator*



*Mr. Philemon Oyoo
Driver*



*Mr. Christopher Opondo
Assistant Supply Chain Management
Officer*

KENYA'S NATIONAL ANTHEM

Kiswahili

1

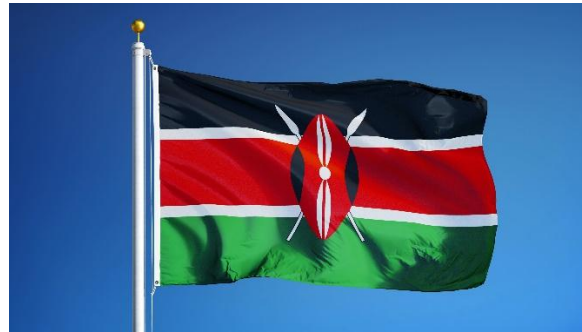
Ee Mungu nguvu yetu
Ilete baraka kwetu
Haki iwe ngao na mlinzi
Natukae na undugu
Amani na uhuru
Raha tupate na ustawi.

2

Amkeni ndugu zetu
Tufanye sote bidi
Nasi tujitoe kwa nguvu
Nchi yetu ya Kenya
Tunayoipenda
Tuwe tayari kuilinda

3

Natujenge taifa letu
Ee, ndio wajibu wetu
Kenya istahili heshima
Tuungane mikono
Pamoja kazini
Kila siku tuwe na shukrani



English

1

O God of all creation
Bless this our land and nation
Justice be our shield and defender
May we dwell in unity
Peace and liberty
Plenty be found within our borders.

2

Let one and all arise
With hearts both strong and true
Service be our earnest endeavour
And our homeland of Kenya
Heritage of splendour
Firm may we stand to defend

3

Let all with one accord
In common bond united
Build this our nation together
And the glory of Kenya
The fruit of our labour
Fill every heart with

THE EAST AFRICA COMMUNITY ANTHEM



1. Ee Mungu twaomba ulinde
Jumuiya Afrika Mashariki
Tuwezeshe kuishi kwa amani
Tutimize na malengo yetu.

Chorus

*Jumuiya Yetu sote tuilinde
Tuwajibike tuimarike
Umoja wetu ni nguzo yetu
Idumu Jumuiya yetu.*

2. Uzalendo pia mshikamano
Viwe msingi wa Umoja wetu
Natulinde Uhuru na Amani
Mila zetu na desturi zetu.

3. Viwandani na hata mashambani
Tufanye kazi sote kwa makini
Tujitoe kwa hali na mali
Tuijenge Jumuiya bora.



NACOSTI HOTEL AND CONFERENCE

National Commission for Science, Technology and Innovation (NACOSTI),
Upper Kabete, Off Waiyaki Way
P.O. Box 30623 – 00100, Nairobi, Kenya
TEL: 020 400 7000, 0713 788787, 0735 404245
Email: info@nacosti.go.ke
Website: www.nacosti.go.ke