



# **National Commission for Science, Technology and Innovation**

## **MULTI-SECTORAL STI CONFERENCE**

### **CONCEPT NOTE**

#### **THEME**

## **STI GOVERNANCE AND MAINSTREAMING: INFUSION IN THE COUNTRY'S DEVELOPMENT AGENDA IN A DISRUPTED WORLD**

For online registration, open the URL below:

[https://forms.office.com/pages/responsepage.aspx?id=TKzOUdijUESH0MihEbwLGTOkNyLqkohlgGEj\\_ODU6PJUQ0ZIV0pZVzRSUjdJQjNBTzlwQ0tXQ0E2TC4u](https://forms.office.com/pages/responsepage.aspx?id=TKzOUdijUESH0MihEbwLGTOkNyLqkohlgGEj_ODU6PJUQ0ZIV0pZVzRSUjdJQjNBTzlwQ0tXQ0E2TC4u)

### **Partners**



**4<sup>th</sup> to 6<sup>th</sup> August, 2021,**

**Lake Naivasha Resort (focal point), Naivasha, Kenya**

**MULTI-SECTORAL STI CONFERENCE ON:**  
**STI GOVERNANCE AND MAINSTREAMING: INFUSION IN THE COUNTRY'S  
DEVELOPMENT AGENDA IN A DISRUPTED WORLD**

---

**1. CONFERENCE RATIONALE AND AIM**

**1.1 STI as the anchor in a Disrupted World**

Faced with the unprecedented social and economic disruption caused by COVID-19 pandemic, countries, institutions as well as individuals have quickly developed and adopted technological innovations, tools and systems to save lives, maintain social fabric, prevent the spread of the disease and facilitate the functioning of businesses, jobs and education. The pandemic has presented an unfettered prospect for countries and institutions to increase investments in science, technology and innovation (STI) and its enabling R&D for; national security, public safety, social order, and wellness of the society, thus elevating STI as a first responder to mankind's survival subject to providence.

During the pandemic, it has been particularly observed that countries that have strategically or judiciously invested and leveraged on apt/felicitous, and emerging technologies e.g. Big Data, Artificial Intelligence, and robotics, have been more successful in limiting the number of fatalities, while managing to keep most of their economies and societies operational. **It is in this context and premise that the National Commission for Science, Technology, and Innovation (NACOSTI) has organized the 1<sup>st</sup> Multisectoral STI Conference, in collaboration with the National Research Fund (NRF) and other partners.**

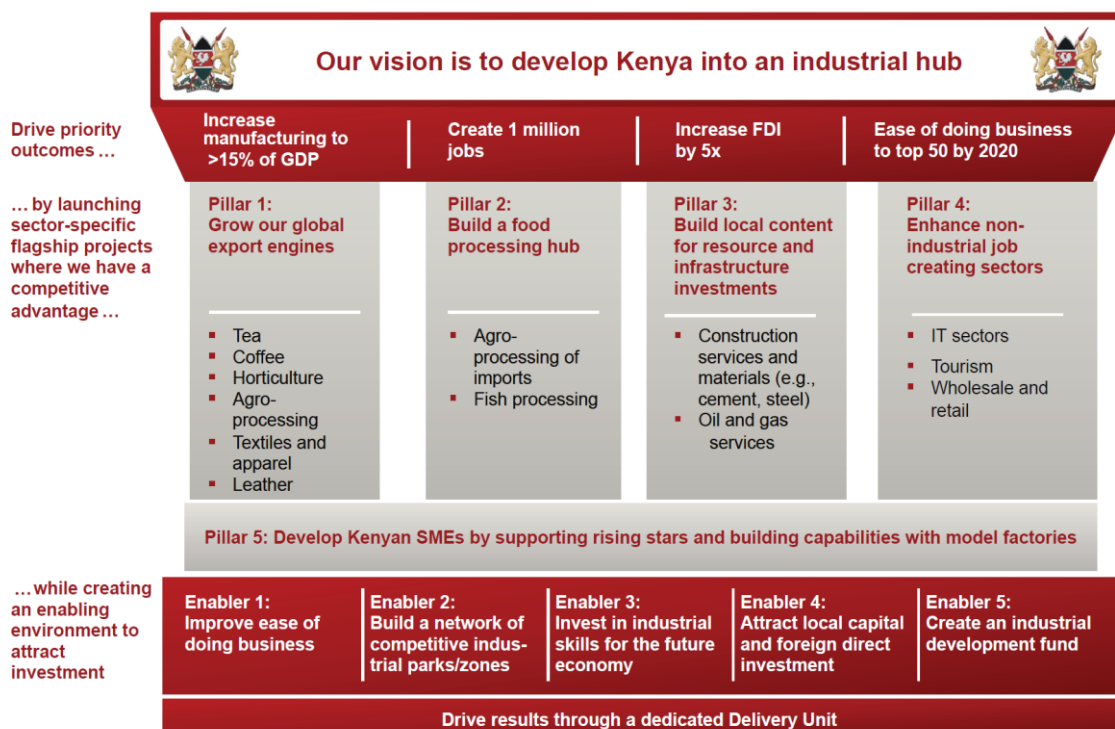


## 1.2 Aim of the Conference

The 1<sup>st</sup> Multi-sectoral Conference on “STI Governance and Mainstreaming: Infusion in the Country’s Development Agenda in a disrupted world” **aims** to bring together leading industrialists, captains/champions of the industry, STI institutions and MDAs, private sector, innovators, professionals, leaders, scholars, intellectuals, scientists, and researchers to exchange and share their experiences, STI achievements and developments, R&D results, and networks on all aspects of Science, Technology and Innovation (STI). It also provides a premier multidisciplinary, interdisciplinary, and intradisciplinary platform for professionals, practitioners, inventors, innovators, entrepreneurs, scholars, researchers and educators to present and discuss the most recent innovations, scientific and technological advancements, and STI trends and trajectories, in a world disrupted by the pandemic.

The conference facilitates a unique a forum for stakeholders to engage on **the current status of the science, technology and innovation in the country, and its infusion in the Country’s Development Agenda for inclusive and sustainable growth**. The Conference will strengthen collaborations and partnership among institutions in the STI ecosystem. Even more so, **the Conference will enable key decision makers to chart new pathways of inclusive sustainable development, grounded on updated knowledge systems that can accelerate the creation, diffusion and adoption of science, technology and innovation**.

Exhibit 1.0  
INDUSTRIAL TRANSFORMATION PROGRAMME OVERALL STRATEGY





## 2. CONFERENCE DETAILS

### 2.1 Conference Theme, Format, Venue, and Dates

Recognizing the importance of multi-sectoral synergies in fast-tracking sustainable development in a disrupted world, **the National Commission for Science, Technology and Innovation (NACOSTI) jointly with the National Research Fund (NRF)** have organized a **3-day Conference, as from 4<sup>th</sup> to 6<sup>th</sup> August, 2021.**

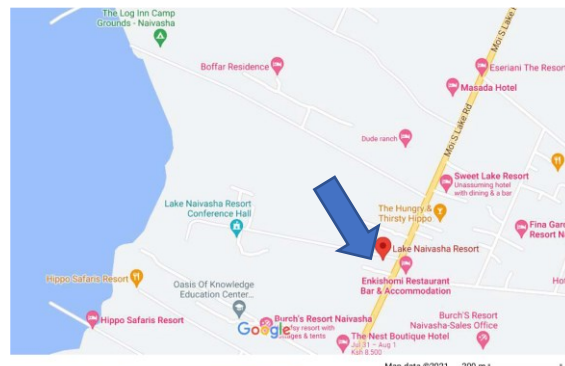
The **theme** of the Conference is “***STI Governance and Mainstreaming: Infusion in the Country’s Development Agenda in a disrupted world***”.

The format of the Conference will consist of a series of Keynote Speakers, Panel Discussions on various topics of national interest, and Exhibitions/Displays of impacting technologies, innovations and research outcomes. The Conference will also spare a moment to celebrate/recognize renowned Captains and Champions of STI and Industrialization in the country.

**Multi-Sectoral STI Conference will be held virtually**, and the focal point will be at Lake Naivasha Resort, Moi Southlake Road, off Mai Mahiu Road, Naivasha, Kenya.



**Conference focal point**



## **2.2 Conference Focus**

The thematic focus of the Conference is sixfold, viz: STI Governance and Regulatory Framework; STI Priorities, Development and Diffusion; STI Mainstreaming and Infusion; STI Education, Training and Advocacy; STI Funding and Investments; and STI and Industrial Transformation.

The conference will thus focus on;

- (i) The Regulatory and Institutional framework governing the STI sector
- (ii) STI Indicators, and impacts on Kenya's Global Competitiveness in technology innovation
- (iii) Impacts of STI on national development in a disrupted world
- (iv) Priorities in scientific, technological and innovation activities in Kenya
- (v) STI Funding and Investments
- (vi) Technology Commercialization/Extension
- (vii) STI as the vanguard in the delivery of the Big Four Agenda
- (viii) STI Education, Training, Communication, and Advocacy
- (ix) Deep Dive Reforms in Higher Education Institutions in a Disrupted World
- (x) Mainstreaming/Infusion of STI in Institutional Programmes and Projects
- (xi) Intellectual Property Rights, and Global Innovation Index
- (xii) Harnessing Frontier Technologies in response to Emerging Issues
- (xiii) Technology driven urban, and county development
- (xiv) SMART Cities, Industrial/Technology Parks, and fifth (5<sup>th</sup>) Industrial Revolution
- (xv) Global and Regional Partnerships in fast-tracking Technology Diffusion and Adaptation
- (xvi) STI-based International obligations and treaties

## **2.3 Participating Institutions and organizations**

Key partners and institutions in the STI ecosystem have confirmed their participation in the Conference including Universities, Research Institutions, TVET Institutions, the private sector, and STI oriented MDAs. Keynote Speakers, Panellists, and exhibitors are drawn from various institutions including; Ministry of Education, the British High Commission in Kenya, The United Nations Educational, Scientific and Cultural Organization (UNESCO), the World Bank, Council of Governors (CoG), Kenya Private Sector Alliance (KEPSA), National Commission for Science, Technology & Innovation (NACOSTI), National Research Fund (NRF), Kenya National Innovation Agency (KENIA), Konza Technopolis Development Authority (KoTDA), Kenya Industrial Property Institute (KIPI), National Authority for the Campaign Against Alcohol and Drug Abuse (NACADA), International Centre of Insect Physiology and Ecology (ICIPE), The Technical and Vocational Education and Training Authority (TVETA), Kenya Institute of Curriculum Development (KICD), South Eastern Kenya University (SEKU), Egerton University, Mount Kenya University (MKU), Jomo Kenyatta University of Agriculture and Technology (JKUAT), Universities Funding Board (UFB), African Centre for Technology Studies (ACTS), Kenya National Highway Authority (KENHA), Engineers Board of Kenya (EBK), National Construction Authority (NCA), Kenyatta University Teaching, Referral and Research Hospital (KUTRRH), African Technology Policy Studies Network (ATPS), Kenya National Academy of Sciences (KNAS), African Scientific, Research and Innovation Council (ASRIC), International Atomic Energy Agency (IAEA), Daystar University, University of Eldoret, among others.



## **2.4 Program Overview**

<b>Time</b>	<b>Pre-Conference Meetings</b>	<b>Conference Day 1 (4<sup>th</sup> July 2021)</b>	<b>Conference Day 2 (5<sup>th</sup> July 2021)</b>	<b>Conference Day 3 (6<sup>th</sup> July 2021)</b>
8.00 – 8.30 am.	Registration	Registration	Registration	Registration
9.30 – 10.30 am.	Joint discussions between High Level Panel on STI, and NACOSTI Team	<ul style="list-style-type: none"> <li>• Opening Ceremony</li> <li>• Celebrating Champions &amp; Captains of STI &amp; Industrialization</li> </ul>	Keynote Speech	Keynote Speech
10.30 - 11.00 am.	HEALTH BREAK	HEALTH BREAK	HEALTH BREAK	HEALTH BREAK
11.00 -12.00 noon	Joint discussions between High Level Panel on STI, and NACOSTI Team	<ul style="list-style-type: none"> <li>• Keynote Speech</li> <li>• Exhibitions/Displays</li> </ul>	<ul style="list-style-type: none"> <li>• Keynote Speech</li> <li>• Exhibitions/Displays</li> </ul>	<ul style="list-style-type: none"> <li>• Keynote Speech</li> <li>• Exhibitions/Displays</li> </ul>
12.00 -1.00 pm	Joint discussions between High Level Panel on STI, NACOSTI Team, and Vice Chancellor's Committees	<ul style="list-style-type: none"> <li>• Panel Discussions</li> <li>• Exhibitions/Displays</li> </ul>	<ul style="list-style-type: none"> <li>• Panel Discussions</li> <li>• Exhibitions/Displays</li> </ul>	<ul style="list-style-type: none"> <li>• Panel Discussions</li> <li>• Exhibitions/Displays</li> </ul>
1.00 – 2.00 pm	HEALTH BREAK	HEALTH BREAK	HEALTH BREAK	HEALTH BREAK
2.00 – 4.30 pm	Joint discussions between High Level Panel on STI, NACOSTI Team, and; (i) Heads of Research Institutions (ii) Committee of Heads of TVET Institutions	<ul style="list-style-type: none"> <li>• Keynote Speech</li> <li>• Panel Discussions</li> <li>• Exhibitions/Displays</li> </ul>	<ul style="list-style-type: none"> <li>• Keynote Speech</li> <li>• Panel Discussions</li> <li>• Exhibitions/Displays</li> </ul>	<ul style="list-style-type: none"> <li>• Way forward</li> <li>• Closing Ceremony</li> </ul>
4.30 – 5.00 pm	HEALTH BREAK	HEALTH BREAK	HEALTH BREAK	

Detailed programme is available at <https://www.nacosti.go.ke/>

## **2.5 Conference Registration**

Conference participants are requested to register online through the link below:

[https://forms.office.com/pages/responsepage.aspx?id=TKzOUdijUESH0MihEbwLGTOkNyLqkohlgGEj\\_ODU6PJUQ0ZIV0pZVzRSUjdJQjNBTzlwQ0tXQ0E2TC4u](https://forms.office.com/pages/responsepage.aspx?id=TKzOUdijUESH0MihEbwLGTOkNyLqkohlgGEj_ODU6PJUQ0ZIV0pZVzRSUjdJQjNBTzlwQ0tXQ0E2TC4u)

### 3. CHIEF GUESTS, AND KEYNOTE SPEAKERS

#### CHIEF GUESTS

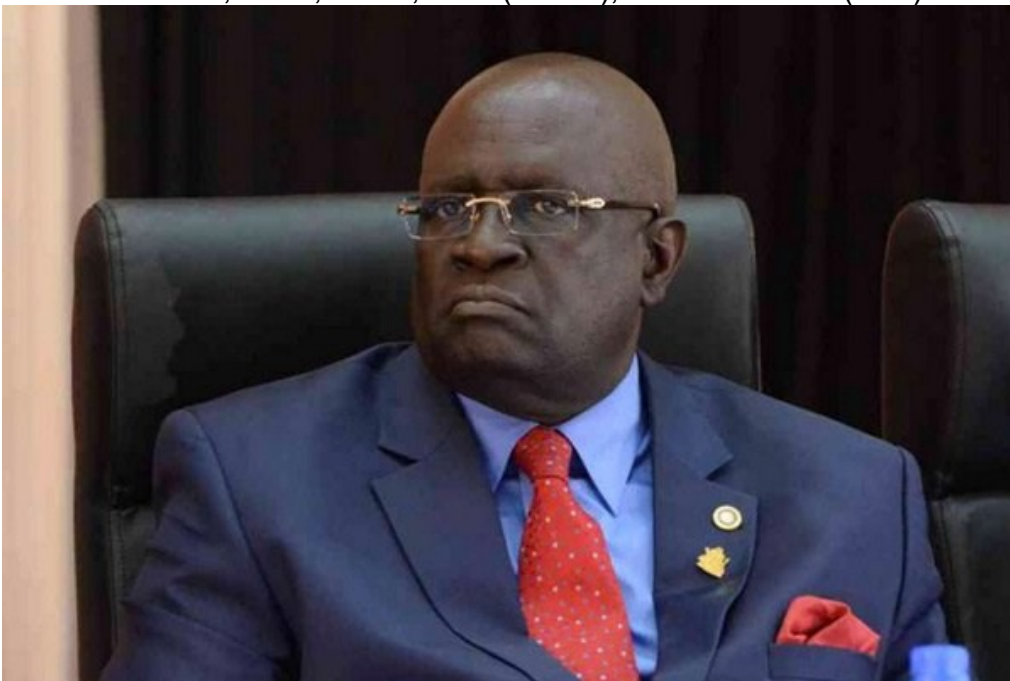


**Prof. George A. O. Magoha, EGH**  
Cabinet Secretary  
Ministry of Education



**Dr. Narendra Raval**  
The Chancellor of Egerton  
University, and Industrialist

- 
- **Cabinet Secretary Prof. George A. O. Magoha**, EGH, EBS. MBS, MBBS (Lagos), FRCS, FWACS, FICS, MCIS, FCS (ECSA), FKNAS FMCS (Urol)



**Prof. George A. O. Magoha** is the Cabinet Secretary, Ministry of Education, Kenya, effective 26 March 2019. He has previously served as the Vice Chancellor of the University of Nairobi from 2005 until 2015. He is a Professor of Surgery at the University of Nairobi's College of Health Sciences. During his tenure as the Vice-Chancellor he steered the University to achieve “Excellent” rating in the Performance Contracting evaluation for government institutions. The University of Nairobi is the only government institution that has ever attained an “Excellent” rating to date. The University has also experienced phenomenal growth and improved the quality of its academic programmes, infrastructure and work environment under his watch. Prof. Magoha concurrently serves as a Consultant Urologist at Kenyatta National Hospital, the teaching hospital of the university. He has also served as the Chairman of the Kenya National Examinations Council (KNEC), from 2016 until 2019.

The Science, Technology and Innovation Sector warmly welcomes Cabinet Secretary Prof. George A. O. Magoha to the Multi-Sectoral STI Governance and Mainstreaming Conference, and recognizes his extensive accomplishments as one of the leading Scholars around the globe and a champion of impacting Research, Technology and innovation for inclusive sustainable development. Suffice to say, Prof. Magoha has won several awards and research grants, and has published more than 60 peer-reviewed publications and supervised to completion over 40 Master of Medicine (Surgery) students. He is a member of many professional bodies in Urology and Surgery including British Association of Urological Surgeons (BAUS), Société Internationale d'Urologie (SIU) among others. He is a fellow of the International College of Surgeons (ICS), African Academy of Sciences (AAS) and the Kenya National Academy of Sciences (KNAS), among others.

---

- **Chancellor Dr. Narendra Raval, EBS**



**Dr. Narendra Raval** is the current Egerton University's Chancellor having been appointed by His Excellency the president of the Republic of Kenya, Uhuru Kenyatta, through a gazette notice dated 22<sup>nd</sup> February 2019, to be the Chancellor for a period of five (5) years, with effect from the 11th January, 2019. Dr. Narendra Raval, is a Kenyan industrialist, entrepreneur and philanthropist, who serves as the Executive Chairman of the Devki Group of Companies, a conglomerate in East Africa that manufactures steel, aluminium and cement. He is a passionate philanthropist who has built an industrial empire of companies, and publicly pledged to leave 50 percent of his wealth to charity. He comes from a caste of priests (Brahmins) and served as a priest in India and an assistant priest in a temple in Kenya, hence his visible humility and great service to the country.

The Science, Technology and Innovation Sector warmly welcomes Chancellor Dr. Narendra to the Multi-Sectoral STI Governance and Mainstreaming Conference, and recognizes him as a leading industrialist who has made significant contribution to National Development.



## KEYNOTE SPEAKERS



**Amb. Simon Nabukwesi**  
PS, SDUER  
Ministry of Education



**Prof. Fatuma Chege**  
PS, Implementation of Curriculum  
Reforms, Ministry of Education



**H.E Martin Nyaga Wambora,  
EGH**  
Chairperson, Council of Governors  
and Governor, Embu



**Josephine Gauld**  
Deputy High Commissioner and  
Permanent Representative to UNEP &  
UN Habitat, British High Commission



**Dr. Danica Ramijak**  
Senior Science and  
Innovation Expert for The  
World Bank



**Flora Mutahi**  
Chairperson, KEPSA  
(TBC)



**Prof. Geoffrey M. Muluvi**  
VC, SEKU and Chairperson,  
Vice Chancellors Committee  
(Public)



**Halakhe D. Waqo**  
Chairperson, Universities  
Fund



**Prof. Reuben Marwanga**  
Chairperson, KENIA



**Prof. Tom Migun Ogada**  
CEO, ACTS



**Eng. Wangai Ndirangu**  
Chairperson, KeNHA



**Eng. Erastus Mwangera**  
Chairperson, Engineers  
Board, Kenya



**Prof. Ahmed Ferej**  
Chairperson, TVETA



**QS. David Gaiho**  
Chairperson, National  
Construction Authority

## High Level Panel on STI



**Prof. Olive Mugenda**  
Chairperson, KUTRRH and  
Former VC, Kenyatta University



**Prof. Crispus Kiamba**  
Chairperson ATPS and Former PS,  
Former VC, UoN



**Prof. Raphael Munavu**  
Chairperson KNAS and  
Former VC, Moi University



**Prof. Ratemo Michieka**  
Chairperson ASRIC and Former  
VC, JKUAT



**Prof. Mabel Imbuga**  
Chairperson NACADA and Former  
VC, JKUAT



**Prof. Shaukat A. Abdulrazak**  
Director, Division for Africa,  
Technical Cooperation  
Department, Former CEO,  
NACOSTI



**Prof. Henry Thairu**  
Chairperson, Daystar University  
and Former Chairman, CUE



**Prof. David Some**  
Former VC, Moi University and  
Former CEO, CUE

## Convener



**Prof. Walter O. Oyawa**  
Director General of  
NACOSTI

## Co-Convener



**Dr. Jemimah Onsare**  
Ag. Chief Executive  
Officer of NRF

## 4. KEYNOTE PRESENTATIONS, AND PANEL DISCUSSIONS

### 4.1 Keynote Presentations



**Amb. Simon Nabukwesi**  
PS, SDUER  
Ministry of Education

**Higher education Deep-  
dive reforms, and  
Reconstruction in a  
globalized and disrupted  
world**



**Prof. Fatuma Chege**  
PS, Implementation of Curriculum  
Reforms, Ministry of Education

**Realizing the Promise of  
Technology-driven  
Competency-based  
Curriculum**



**H.E. Martin Nyaga Wambora,**  
**EGH**  
Chairperson, Council of Governors  
and Governor, Embu

**Technology-Driven,  
Innovation-led County  
Development**



**Josephine Gauld**  
Deputy High Commissioner and  
Permanent Representative to UNEP &  
UN Habitat, British High Commission

**UK-Kenya Research,  
Technology and  
Innovation Partnership:  
Status and Insights**



**Dr. Danica Ramljak**  
Senior Science and  
Innovation Expert for The  
World Bank

**Support for Regional  
Scholarship and  
Innovation, and its  
impacts on Higher  
Education**



**Prof. Olive Mugenda**  
Chairperson, KUTRRH and  
Former VC, Kenyatta University

**Enhancing Strategic  
Investments in R&D, and  
Technology  
Commercialization**



**Prof. Crispus Kiamba**  
Chairperson ATPS and Former PS,  
Former VC, UoN

**Training the Next-  
Generation Workforce in  
Science, Technology and  
Innovation**



**Prof. Mabel Imbuga**  
Chairperson NACADA and Former  
VC, JKUAT

**Global and Regional  
Partnerships in  
Transformational STI  
Ventures**



**Flora Mutahi**  
Chairperson of KEPISA  
(TBC)

**Integration of MSMEs in  
the Mainstream National  
Innovation System**



**Prof. David Some**  
Former VC, Moi University,  
Former CEO, CUE, and Former  
Chairman, TAHEST

**Evolverment and  
Aspirations of the STI Act  
and related regulations;  
TaHEST Perspective**



**Prof. Tom Migun Ogada**  
CEO, ACTS

**Evidence-based Policy  
Making, and its Infusion  
in National Decision-  
Making Mechanisms**



**Prof. Geoffrey M. Muluvi**  
VC, SEKU and Chairperson,  
Vice Chancellors Committee  
(Public)

**University–Industry–GoK  
Collaboration, and its  
Impacts on the  
Economy**

**CONCEPT NOTE: MULTI-SECTORAL STI CONFERENCE, 4<sup>TH</sup> – 6<sup>TH</sup> AUGUST 2021, KENYA**



**Prof. Shaukat A. Abdulrazak**  
Director, Division for Africa,  
Technical Cooperation  
Department, IAEA and Former  
CEO, NACOSTI

**Kenya's Technology-  
based International  
obligations, and their  
contribution to national  
development**



**Prof. Reuben Marwanga**  
Chairperson of KENIA

**The State of National  
Innovation System and its  
Contribution to the "Big  
Four Agenda**



**Halakhe D. Waqo**  
Chairperson of Universities  
Fund

**Financial Sustainability of  
Universities in a fast-  
changing World**



**Eng. Erastus Mwongera**  
Chairperson of Engineers  
Board of Kenya

**Engineering Education  
and Practice, and its  
Contribution to the "Big  
Four Agenda**



**Prof. Walter O. Oyawa**  
Director General,  
NACOSTI

**The Regulatory and  
Institutional framework  
governing the STI  
sector**



**QS. David Gaiho**  
Chairperson of National  
Construction Authority

**The Construction  
Industry and its Impact  
on the "Big Four  
Agenda**



**Prof. Ahmed Ferej**  
Chairperson of TVETA

**TVET Education and  
its Contribution to  
Kenya's  
Industrialization**



**Eng. Wangai Ndirangu**  
Chairperson of KeNHA

**Recent Progress in  
Highway Construction  
in Kenya, and its  
Impact on Mobility**



## **4.2 Panel Discussions**

	<b>PANEL TOPICS</b>	<b>PANELISTS</b>
	<ul style="list-style-type: none"> <li>▪ The regulatory and Institutional framework governing the STI sector</li> <li>▪ Mainstreaming/Infusion of STI in Institutional Programmes and Projects</li> <li>▪ Technology driven urban, and county development</li> <li>▪ STI Education, Training, Communication, and Advocacy</li> <li>▪ Deep Dive Reforms in Higher Education Institutions in a Disrupted World</li> </ul>	<ul style="list-style-type: none"> <li>❖ Prof. David Some, TaHEST</li> <li>❖ Prof. Henry Thairu, TaHEST</li> <li>❖ Dr. Danica Ramljak, Worldbank</li> <li>❖ Prof. Eliud Muli, ICIPE</li> <li>❖ Mr. Samuel Partey, UNESCO</li> <li>❖ Eng. Maurice Aketch, NCA</li> <li>❖ Ms. Carole Kariuki Karuga, KEPSA</li> <li>❖ Ms. Mary Mwiti, CoG</li> <li>❖ Dr.-Kipkirui-Langat, TVETA</li> <li>❖ Prof. Geoffrey Muluvi, SEKU</li> <li>❖ Prof. Charles O. Ong'ondo, KICD</li> <li>❖ Mr. Boniface Wanyama, NACOSTI</li> <li>❖ Dr. Salome Guchu, DRST</li> <li>❖ Mr. Boniface Wanyama, NACOSTI</li> </ul>
	<ul style="list-style-type: none"> <li>• STI Indicators, and impacts on Kenya's Global Competitiveness in technology innovation</li> <li>• Priorities in scientific, technological and innovation activities in Kenya</li> <li>• Implementation of National Research Priorities Framework</li> <li>• Impacts of STI on national development in a disrupted world</li> <li>• STI as the vanguard in the delivery of the Big Four Agenda in a disrupted world</li> </ul>	<ul style="list-style-type: none"> <li>❖ Prof. Raphael Munavu, KNAS</li> <li>❖ Ms. Mary Mwiti, CoG</li> <li>❖ Ms. Phyllis Wakiaga, KAM</li> <li>❖ Prof. Eliud Muli, ICIPE</li> <li>❖ Prof. Victoria Ngumi, JKUAT</li> <li>❖ Dr. Danica Ramljak, Worldbank</li> <li>❖ Mr. Samuel Partey, UNESCO</li> <li>❖ Ms. Carole Kariuki Karuga, KEPSA</li> <li>❖ Dr. Jemimah Onsare, NRF</li> <li>❖ Dr. Tonny K. Omwansa, KENIA</li> <li>❖ Dr. David Njubi, NACOSTI</li> <li>❖ Mr. Darius Mogaka, DUE</li> <li>❖ Dr. Salome Guchu, DRST</li> </ul>
	<ul style="list-style-type: none"> <li>▪ STI-based International obligations and treaties</li> <li>▪ Global Partnerships and Networking in Transformational STI Ventures</li> <li>▪ Deploying the Quadruple helix collaboration approach to fast-track the transfer of research and innovation Outcomes <i>(Industry-University-Government-Communities approach)</i></li> </ul>	<ul style="list-style-type: none"> <li>❖ Prof. Ratemo Michieka, ASRIC</li> <li>❖ Prof. Shaukat Abdulrazak, IAEA</li> <li>❖ Dr. Tonny K. Omwansa, KENIA</li> <li>❖ Dr.-Kipkirui-Langat, TVETA</li> <li>❖ Ms. Carole Kariuki Karuga, KEPSA</li> <li>❖ Dr. David Njubi, NACOSTI</li> <li>❖ Ms. Phyllis Wakiaga, KAM</li> </ul>
	<ul style="list-style-type: none"> <li>▪ SMART Cities, Industrial/Technology Parks, and fifth (5th) Industrial Revolution Technology Commercialization/Extension</li> <li>▪ Intellectual Property Rights, and Global Innovation Index</li> <li>▪ Harnessing Frontier Technologies in response to Emerging Issues</li> <li>▪ STI Funding and Investments</li> </ul>	<ul style="list-style-type: none"> <li>▪ Prof Deogratius Jaganyi, MKU</li> <li>▪ Prof. Eliud Muli, ICIPE</li> <li>▪ Prof. David K.R. Tuigong, KIRDI</li> <li>▪ Mr. Geoffrey Monari, UFB</li> <li>▪ Eng. John Tanui, KoTDA</li> <li>▪ Ms. Carole Kariuki Karuga, KEPSA</li> <li>▪ Ms. Mary Mwiti, CoG</li> <li>▪ Dr. Jemimah Onsare, NRF</li> <li>▪ Dr. Tonny K. Omwansa, KENIA</li> <li>▪ Mr. John Onyango, KIPi</li> <li>▪ Eng. Peter M. Mundinia, KENHA</li> <li>▪ Eng. Maurice Akech, NCA</li> </ul>

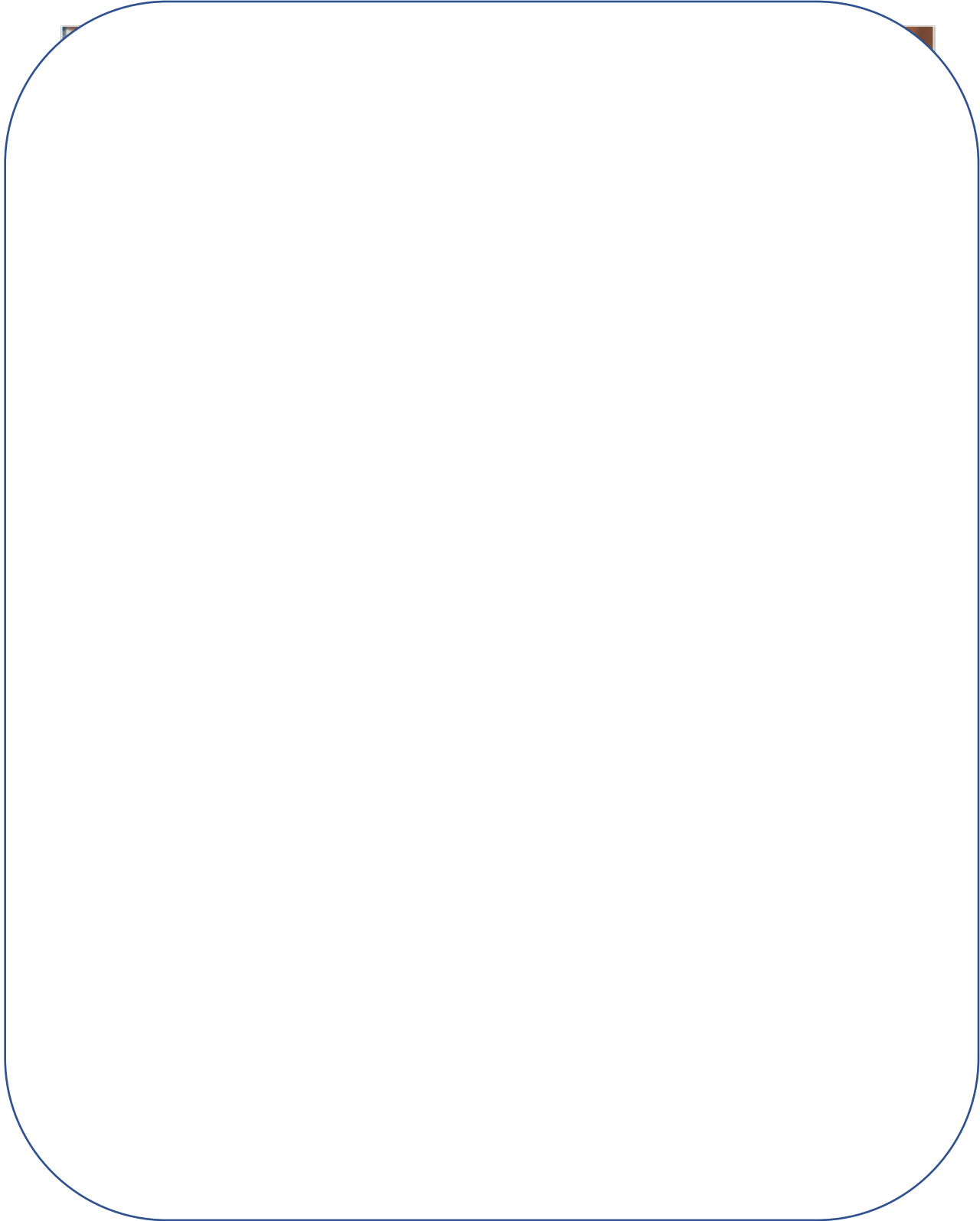
## 5. WALKING IN THE FOOTSTEPS OF STI GIANTS/GREATS (CAPTAINS AND CHAMPIONS OF STI AND INDUSTRIALIZATION- FY 2021/2022)

The **1<sup>st</sup> Multi-Sectoral STI Conference** pays **special tribute** to the underlisted **Captains and Champions of STI and Industrialization** dated 2021/2022, who have exhibited professional excellence and uplifted STI over an extensive period of time as exemplified by their;

- Global, and National awards received,
- Repute as Educationists, Scholars, Mentors and Researchers
- Repute as Industrialists, Innovators, Venture capitalists, Investors, and Top entrepreneurs
- Repute as STI and Industrialization Leaders and/or Trailblazers
- Repute as Philanthropists







## **6. CONFERENCE EXHIBITIONS AND DISPLAYS**

During the Conference, several institutions will display or exhibit their impacting Research Outcomes and Technology Innovations virtually.

## **7. EXPECTED OUTPUTS/OUTCOMES**

- a) Conference Report, including Proceedings and Key resolutions
- a) A 10-Point Plan on National STI Strategy for inclusive Sustainable Development
- b) Policy brief on 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;
- c) Enhanced coordination among players in the STI sector in undertaking STI Mainstreaming and Infusion for inclusive and sustainable National Development;
- d) Expanded awareness of provisions of the STI Act, Legal Notices, Regulations and Guidelines, as well as the roles of key agencies in the STI Eco-system
- e) Improved skills for the implementation of the GoK PC Target on "Mainstreaming STI in Programmes/Projects of MDAs"
- f) Improved awareness on STEM/STEAM Education in relation to CBC
- g) Enriched draft regulatory and governance documents pertaining to guidelines, frameworks, and strategies
- h) Networking and collaborative arrangements in the STI sector

## 8. ABOUT THE CONFERENCE ORGANIZER:

### THE NATIONAL COMMISSION FOR SCIENCE, TECHNOLOGY AND INNOVATION (NACOSTI)

---



#### 8.1 Functions of NACOSTI

The National Commission for Science, Technology and Innovation (**NACOSTI**) is established through the STI Act 2013 (Rev. 2014). 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. Accordingly, the Commission continues to play its pivotal and central role of promoting, regulating, advising and coordinating all matters pertaining to Science, Technology and Innovation (STI) in Kenya in line with the STI Act. In this regard, NACOSTI;

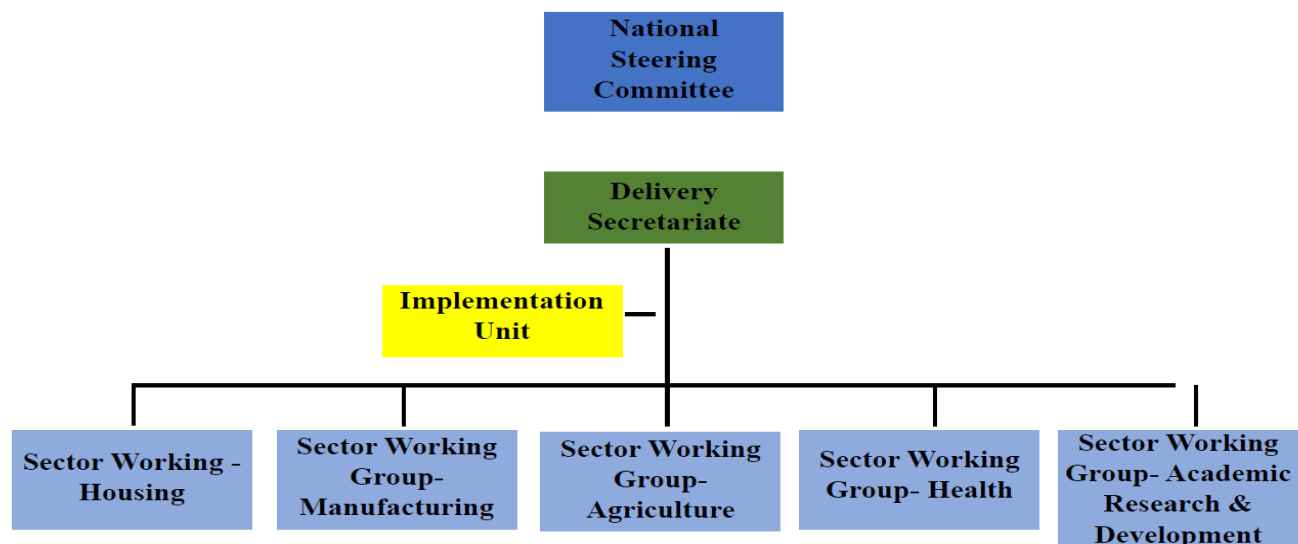
- has the singular role of **developing**, in consultation with stakeholders, **the priorities in scientific, technological and innovation activities** in Kenya in relation to the economic and social policies of the Government, and the country's international commitments;
- has the singular role of **leading** inter-agency efforts to implement sound policies and budgets, working in collaboration with the county governments, and organisations involved in science, technology and innovation within Kenya and outside Kenya;
- reviews (annually) the progress in scientific research systems and submits a report of its findings and recommendations to the Cabinet Secretary;
- ensures **co-ordination** and co-operation between the various agencies involved in science, technology and innovation;
- **co-ordinates**, monitors and evaluates, as appropriate, activities relating to scientific research and technology development;

## CONCEPT NOTE: MULTI-SECTORAL STI CONFERENCE, 4<sup>TH</sup> – 6<sup>TH</sup> AUGUST 2021, KENYA

- **accredits** research institutes and **approves** all Scientific research in Kenya, and in so doing, develops and enforces codes, guidelines and regulations as well as undertakes, regular inspections, monitoring and evaluation of research institutions to ensure compliance with set standards and guidelines
- **advises** the national and county governments on the science, technology and innovation policy, including general planning and assessment of the necessary financial resources; **advises** on science education and innovation at both basic and advanced levels, and also **advises** the Government on policies and any issue relating to scientific research systems (Research, Science, Technology and Innovation);
- **promotes** increased awareness, knowledge and information of research system (Research, Science, Technology and Innovation), **promotes** and encourages private sector involvement in scientific research and innovation and development, as well as **promotes** the adoption and application of scientific and technological knowledge and information necessary in attaining national development goals
- sponsors national scientific and academic conferences it considers appropriate, in consultation with the National Research Fund Trustees

### 8.2 NACOSTI's Coordination role

In line with NACOSTI's mandate of ensuring co-ordination and co-operation between the various agencies involved in science, technology and innovation, the Commission in consultation with stakeholders has **developed the National Research Priorities Framework (2018-2022)** which is currently being implemented. Further, the Commission has also developed the STI Indicators for Kenya, and submitted draft STI Policy to relevant authorities for action. NACOSTI is also the special agency implementing the PC target for MDAs on Mainstreaming of STI in programmes and projects of MDAs. .



**Fig. Organogram of National Research Priorities Implementation Framework**

## 8.3 Research Licensing

### ADVISORY TO THE PUBLIC ON RESEARCH LICENSING



**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](mailto:info@nacosti.go.ke); Website: [www.nacosti.go.ke](http://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 Act, No. 28 of 2013 (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 functions of the Commission.

Among the functions of the Commission, Section 6(1)(f) of the STI Act 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.

### SERVICE CHARGES

#### Fees/Charges for Research Licensing

**Table 1: Current fees/charges for Research Licensing**

No	Category of Research License	Reviewed
1)	Kenya Citizens: Diploma/Undergraduate	Ksh. 1,000
2)	EAC Citizens: Diploma/Undergraduate	Ksh. 1,000
3)	Kenya Citizens: MA/MSc	Ksh. 5,000
	EAC Citizens: MA/MSc	Ksh. 5,000
	Kenya Citizens: PhD	Ksh. 5,000
	EAC Citizens: PhD	Ksh. 5,000
	Kenya Citizens: Individual/Postdoc	Ksh. 20,000
	EAC Citizens: Individual/Postdoc	Ksh. 20,000
4)	Public Institutions	Ksh. 20,000
5)	Private Institutions	Ksh. 20,000
	Non-Africans: Diploma/Undergraduate	US\$ 400
	Non-Africans: MA/MSc	US\$ 400
	Non-Africans: PhD	US\$ 400
	Non-Africans: Individual/Postdoc/Non-academic	US\$ 400
6)	Non-EAC but from an African Country	US\$ 400

(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 licence in the prescribed form.

**Pursuant thereto, members of the public are hereby notified that according to the Science, Technology and Innovation Act 2013, all 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**  
**1<sup>st</sup> March 2021**

#### Notes:

- Non-Kenyans in local institutions with work permits and/or Permanent Resident Permits to pay same as Kenya citizens.
- Students in local institutions of higher learning pay same as citizens.
- 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	275,000
2)	Accreditation of Research Programmes	275,000
3)	Inspection, Monitoring and Evaluation of Research Institutions	A basic fee of 275,000 be levied in addition to any costs that will related to the inspection



## 8.4 STI Mainstreaming in Work-plans/Programmes/Projects of MDAs



REPUBLIC OF KENYA

MINISTRY OF PUBLIC SERVICE AND GENDER

PUBLIC SERVICE PERFORMANCE MANAGEMENT AND  
MONITORING UNIT

### **PERFORMANCE CONTRACTING GUIDELINES FOR THE FY 2021/2022 (18<sup>TH</sup> CYCLE)**

#### **16. Science, Technology and Innovation (STI) Mainstreaming**

Investments in Science, Technology and Innovation (STI) is indispensable for any Country or institution that seeks to secure national security, and leapfrog inclusive socio economic development. The catastrophic impacts of COVID-19 Pandemic have devastated the entire world and brought to the fore the immense and life-saving role of STI as first responder in the global fight against

the pandemic and future disasters, thus revealing the urgent need to mainstream and integrate STI strategies in programmes, projects and service delivery systems in MDAs.

For effective implementation of this performance indicator, MDAs are required to appoint a Focal person and Champions to coordinate STI mainstreaming. In addition, MDAs will be required to document available Research, Technology and Innovation Human resource capacity by sub-sector, qualification, field of research/technology innovation, age, and gender as per the guidelines provided by NACOSTI which can be accessed on NACOSTI website: [www.nacosti.go.ke](http://www.nacosti.go.ke)

The performance indicator applies to all public institutions with core mandate of research, science, technology and innovation and includes:

- a) Research Institutions, Universities, and University Colleges, as well as their regulating agencies
- b) Technical Vocational Education and Training (TVET)/Tertiary institutions that are focused on research, science, technology and innovation as well as their regulating agencies
- c) MDAs involved in the National Research Priorities Framework
- d) MDAs with distinct research and technology development centres/units, or with Research budget

***The full list of MDAs that are eligible to implement this performance indicator can be found on NACOSTI website: [www.nacosti.go.ke](http://www.nacosti.go.ke)***

**PERFORMANCE CONTRACTING GUIDELINES FOR THE FY  
2021/2022  
(18<sup>TH</sup> CYCLE)**

*(Cont'd)*

*The full list of MDAs that are eligible to implement this performance indicator can be found on NACOSTI website: [www.nacosti.go.ke](http://www.nacosti.go.ke)*

MDAs are required to undertake the following:

- a) Develop STI Strategy using the template provided by NACOSTI (30%);
- b) Implement the STI Strategy by undertaking the following interventions:
  - i) Document research programmes/ projects and the funding sources (10%);
  - ii) Ensure annual budgetary allocation for R&D is at least 2% of the total allocated budget (10%);
  - iii) Undertake research & technology innovation and technology transfer & commercialization (35%);
  - iv) Disseminate research findings/recommendations and technology innovations through conferences, workshops, seminars etc. (15%).

**9. CONTACT DETAILS**



CONTACT DETAILS	
<b>Prof. Walter O. Oyawa</b> Director General/CEO National Commission for Science, Technology and Innovation (NACOSTI) off Waiyaki Way, Upper Kabete, P. O. Box 30623, 00100 Nairobi, KENYA	<b>Email:</b> <a href="mailto:dg@nacosti.go.ke">dg@nacosti.go.ke</a>  <b>Land line:</b> 020 4007000, 020 2241349, 020 3310571, 020 8001077 <b>Wireless:</b> 020 267 3550 <b>Mobile:</b> 0713 788 787 / 0735 404 245 <b>WhatsApp:</b> 0792 746282

Welcome to the 1<sup>st</sup> Multi-Sectoral STI Conference