

DRAFT Programme

African Regional Science, Technology and Innovation Forum

On

“2020-2030: A Decade to Deliver a Transformed and Prosperous Africa through the 2030 Agenda and Agenda 2063.”



Date: 24 February, 2020

Venue: Victoria Falls, Zimbabwe

Draft Programme as at 28/01/2020

23 February, 2020	
15:00-18:00	Arrivals and Registration
24 February, 2020	
08:00-08:30	Registration
08:30-10:00	<p>Opening Session <i>Rapporteur General - ECA</i> Director of Ceremony</p> <ul style="list-style-type: none"> • Anthems: Zimbabwe and AU • Welcome remarks by: <ul style="list-style-type: none"> ○ Prof. F. Tagwira, Permanent Secretary, Ministry of Higher and Tertiary Education, Science, Innovation and Technology Development, Zimbabwe ○ His Worship, Somvelo Dhlamini, Mayor, Victoria Falls, Zimbabwe • Remarks: Prof. Hubert Gijzen - Regional Director and Representative, UNESCO • Overview of the STI Forum: Jean-Paul Adam, Director, Technology, Climate Change and Natural Resources Management, UN ECA • Prof. Joyce Ndalichako, Minister of Education, Science, Technology, United Republic of Tanzania & Sector Chair of SADC, • H E Mukudzeiishe Madzivire, Child President, Zimbabwe • Remarks: Hon Bonginkosi Emmanuel Nzimande – Minister, Ministry of Higher Education, Science and Technology, South Africa • Opening Speech: Hon. Prof. dr. Amon Murwira (Sen): Minister, Ministry of Higher and Tertiary Education, Science, Innovation and Technology Development, Zimbabwe <p>Rapporteur: Martiale Gaetan Zebaze Kana, <i>Head of Science Unit, UNESCO Regional Office for Southern Africa</i></p>

10:00-11:00	<p>High-Level Policy Dialogue on Making Science, Technology and Innovation Deliver the 2030 Agenda for Africa</p> <p>Both the 2030 Agenda for Sustainable Development and Agenda 2063 recognize the importance of science, technology and innovation in advancing human wellbeing, economic transformation and achieving environmental targets. Some of the major priority areas of Agenda 2063 include ‘well-educated citizens and skills revolution underpinned by science, technology and innovation; healthy and well-nourished citizens; transformed economies underpinned by STI driven manufacturing, industrialization and value addition; modern agriculture for increased productivity and production; and environmentally sustainable and climate resilient economies and communities’, all of which underline the importance of STI. This high-level panel will address efforts to scale-up and accelerate actions to enable science, technology and innovation deliver the 2030 Agenda in the coming decade and on Agenda 2063 in the remaining four decades.</p> <p>Keynote Address by</p> <p>Panellists</p> <ul style="list-style-type: none"> • Mr Imraan Patel, <i>Deputy Director-General: Socio-Economic Partnerships, Department of Science and Innovation, South Africa</i> • Prof. Domingos da Silva Neto, <i>Secretary of State for Science, Technology and Innovation, Angola</i> • Mr. Jemal Beker, <i>State Minister of Innovation and Technology, Ethiopia</i> • Extraordinary Prof. Mary Teuw Niane, <i>Former Minister of Higher Education, Scientific Research, Senegal and Professor, Universite Gaston Berger de Saint-Louis, Senegal, Dakar.</i> • Dr. Madaleine Tchuinte, <i>Minister of Scientific Research and Innovation, Cameroon</i> <p>Moderator: Karima Bounemra Ben Soltane, Director of IDEP, ECA</p> <p>Rapporteur: Karimanzira Rungano, <i>Director, Ministry of Higher and Tertiary Education, Science & Technology Development, Zimbabwe</i></p>
11:00-11:20	Coffee Break
11:20-12:20	<p>High-Level Policy Dialogue on Emerging Technologies and the Fourth Industrial Revolution as tools for scaling up Action</p> <p>Emerging technologies that underpin the fourth industrial revolution are transforming every aspect of society and redefining industrialization, education and development strategies. Countries are investing heavily in building new skills and new supply and value chains. While the advances in technologies promise to enhance efficiency and productivity, their contribution to economic and social development and environmental gains are not fully understood. The fourth industrial revolution may increase various forms of inequalities within and among countries, communities and different groups – creating winners and losers. Currently, only a handful of African countries have developed national strategies or began discussion on technologies that underpin the fourth industrial revolution.</p>

	<p>Panellists will draw on the national, regional and international experiences to address among others: 1) How should African industrial strategies be tailored to ensure they are ready for emerging technologies and fourth industrial revolution? 2) How can Africa best build the human, industrial and governance capacities needed to harness emerging technologies? 3) What role should education, research and development institutions and private sector play? 5) Where are the best opportunities for Africa and how can African countries set their priorities? 6) In the face of multiple technologies and their interdependencies, and given limited capacity in national government departments, how can African countries design integrated national or regional strategies that address the needs of emerging technologies, that are inclusive?</p> <ul style="list-style-type: none"> • Prof. Joyce Ndalichako, <i>Minister of Education, Science, Technology, United Republic of Tanzania & Sector Chair of SADC</i> • Mr. Alexander Trepelkov, <i>Officer-in-Charge, Division for Sustainable Development Goals, United Nations Department for Economic and Social Affairs</i> • Joshua Setipa, Managing Director, <i>United Nations Technology Bank for Least Developed Countries</i> • Dr Sibongiseni Thotsejane, <i>Representative from the Fourth Industrial Revolution Presidential Commission, South Africa</i> • Dr Moses Cho, <i>Council for Scientific and Industrial Research, South Africa</i> <p>Moderator: Mr Imraan Patel, <i>Deputy Director-General: Socio-Economic Partnerships, Department of Science and Innovation, South Africa</i> Rapporteur: Department of Science and Innovation, South Africa</p>		
12:20- 13:00	<p>Open Innovation to Accelerate Knowledge Sharing, Innovation and Development Presentation of the EU-Africa Ubora Open Innovation Infrastructure by Ms. Philippa Makabore, Head- Instrumentation Division, UIRI, Uganda and ABEC Secretariat Presentation by WAITRO - Presentation of the Innovation Bridge, by CSIR- South Africa</p> <p>Moderators: Victor Konde and Mmampei Chaba</p>		
13:00-14:00	<i>Lunch</i>		
14:00-15:30	<p>Session 1: People – Poverty, Hunger, Health, Education and Equality (SDG 1, 2, 3, 4, 5) By 2030, about 9 of 10 poor people in the world will be in Africa and life expectancy is likely to be lower than that in the rest of the</p>	<p>Session 2: Prosperity (SDG 7, 8, 9, 10, 11) Science, technology and innovation are key in advancing access to affordable and clean energy (Goal 7), driving economic growth that</p>	<p>Session 3: Planet (SDG 6, 12, 13, 14, 15) Climate change is increasing the existing vulnerabilities and all forms of inequalities in Africa, and is likely to derail the achievement</p>

world despite the progress made in recent years. Science, technology and innovation has been at the forefront of increasing access to food, health and education services, and in reducing gender inequality. All of which are important in improving the wellbeing of people.

This session will focus on the opportunities that science, technology and innovation offers to Africa to uplift the millions of the people out of poverty and hunger; offer quality, accessible and affordable health and education services as well as address all forms of gender inequality.

Panellists

- **Prof. Martin Oosthuizen**, *Chief Executive, SARUA*
- **Mr Artwell Kadungure**, *Training and Research Support Centre*
- **Prof. Romain Murenzi**, *Executive Director, The World Academy of Sciences*
- **Prof. Sheila Dinotshe Tlou**, *Former Minister of Health, Botswana Co-Chair, Global HIV Prevention Coalition; Co-Chair, Nursing Now Global Campaign*

Moderator: Ann Therese Ndong Jatta, *Director & Representative, UNESCO Regional Office for Eastern Africa (TBC)*

Rapporteur: Rapporteur: Moses Tapfumaneyi Mukabeta

delivers decent work (Goal 8), accelerating industrialization and infrastructure development (Goal 9), reducing inequality (Goal 10) and building sustainable cities and communities (Goal 11). All of which are needed to achieve broad-based and shared prosperity in Africa.

This session will focus on measure, approaches and mechanisms for accelerating the achievement of shared prosperity. It will identify actions and strategies countries need to undertake to meet the five goals.

Panellists:

- **H.E. Mr. Jemal Beker**, *State Minister of Innovation and Technology, Ethiopia*
- **Mr Ramesh Bheekho**, *Deputy Permanent Secretary of the Ministry of Technology, Communication and Innovation, Mauritius*
- **Dr. Madaleine Tchuinte**, *Minister of Scientific Research and Innovation, Cameroon*
- **Prof. Eddie Mwenje**, *Vice Chancellor, Bindura University of Science Education*
- **Mr Norman Moyo**, *Group Chief Executive Officer, Dributed Power Africa, South Africa*

Moderator: Mrs Mampei - DSI

Rapporteur:

of all Sustainable Development Goals and national as well as regional development plans. Currently, the world is unlikely to meet any of the targets except that of clean air in cities. However, scientific and technological solutions to address most of the emissions (over 70%) exists today and innovative tools to improve resiliency are becoming accessible.

This session will look at steps and integrated approaches to mitigate the effects of and adapt to a changing climate; access to the necessary technological and non-technological tools; scientific and technological collaboration in climate change research, data sharing and information; and the development opportunities that climate change presents.

Panellists:

- **Ms. Laylee Moshiri** – *Country Representative, UNICEF (WASH)*
- **Dr Juliette Biao Koudenoukpo**, *Regional Director, UN Environment Programme, Africa Office (TBC)*
- **Eng. Dr. Mackay Okure** – *Interim Executive, East African Centre of Excellence for Renewable Energy and Energy Efficiency (EACREEE)*
- **Prof. Robson Mafoti** – *CEO, SIRDC*
- **Dr Amos Makarau** – *WMO Regional Office for Africa*
- **Dr Anitha Ramsuran**, *Technology Innovation Agency*

			<p>Moderator: Prof. Hubert Gijzen, <i>Regional Director and Representative to SADC UNESCO</i></p> <p>Rapporteur: Dr Sibongiseni Thotsejane, <i>Representative from the Fourth Industrial Revolution Presidential Commission, South Africa (TBC)</i></p>
15:30– 15:50	Coffee Break		
15:50- 16:50	<p>Session 4: Peace (SDG 16): Promote peaceful and inclusive societies for sustainable development, provide access to justice for all, and build effective, accountable and inclusive institutions at all levels.</p> <p>Science, technology and innovation can be used to promote and build peaceful and inclusive societies, but they can also be used to seed discontent and divide peaceful societies.</p> <p>Which legal and regulatory mechanisms, measures and initiatives can Africa pursue to ensure it harnesses science, technology and innovation to achieve the targets of Goal 16? Which technologies and processes are more likely to promote peaceful and inclusive societies? How can Africa ensure technological and innovations are accountable and inclusive?</p>	<p>Session 5: Partnerships (SDG 17): Strengthen the means of implementation and revitalize the global partnership for sustainable development.</p> <p>Knowledge of economic, social and environmental importance is becoming more diverse. Countries such as China, Korea, Brazil and Thailand are becoming leaders in many areas. Therefore, North-South and South-South partnerships as well as intra-African partnerships are becoming increasing import. This session will assess current partnerships, their contribution to meeting the SDGs and building a sound scientific, technological and industrial base in African countries.</p> <p>Opening Remarks</p>	<p>Session 6: Open Science (Coordinated by UNESCO)</p> <p>Open Science is increasingly seen as “Science for the Future” and the “Future of Science”. Science is not necessarily accessible by all, inclusive and readily available. Science can contribute to achieving the United Nations Sustainable Development Goals (SDGs). UNESCO was tasked to lead a global dialogue on Open Science, to identify globally-agreed norms and practices in order to create a standard-setting instrument.</p> <p>The session will address what open science means for Africa, the challenges and opportunities for making science accessible to all, assess the UNESCO Recommendation on Open Science, and identify concrete measures advance science in Africa</p> <p>Opening remarks by</p>

	<p>Panellists:</p> <ul style="list-style-type: none"> • Dr. Monica Idinoba, Principal Scientific Officer, African Union Commission • Amr Safwat, Manager of African organizations, Ministry of Communications and Information Technology, Egypt • Mr. Fortunate Muyambi, Principal Officer Innovation, Technology Development and Acquisition, EASTECO, East African Community. • Dr Daniel Nyanganyura, Regional Director, African Regional Office, International Science Council, South Africa <p>Moderator: Karima Bounemra Ben Soltane, Director of IDEP, ECA</p> <p>Rapporteur: Dr Anitha Ramsuran: TIA</p>	<p>Joshua Setipa, <i>Managing Director, UN Technology Bank for LDCs</i></p> <p>Round table: Enhancing continental partnerships</p> <ul style="list-style-type: none"> • • Dr. Solomon Benor, <i>Director Ministry of Science and Higher Education, Ethiopia</i> • Dr Jackie Olang-Kado, <i>Executive Director, Network of African Science Academies (NASAC)</i> • Dr. Maxwell Otim, <i>Director, Ministry of Science, Technology and Innovation, Uganda</i> • <p>Moderator: Oliver Chinganya, Director, African Centre for Statistics, ECA</p> <p>Rapporteur: <i>Lindiwe Gama: DSI</i></p>	<ul style="list-style-type: none"> • Jean-Paul Adam, Director, Technology, Climate Change and Natural Resources Management, UN ECA Economic Commission for Africa. • Dr Shamila Nair-bedouelle, Assistant Director General for Natural Sciences, UNESCO <p>Round Table “Towards a Global Consensus on Open Science”</p> <ul style="list-style-type: none"> • Dr Khotso Mokhele, <i>Chancellor, University of the Free State, South Africa; Chair of the Advisory Council of the African Open Science Platform</i> • Dr Wilhelmina Quaye, <i>Director Science and Technology Policy Research Institute of the Council for Scientific and industrial Research (CSIR-STEPRI), Ghana</i> • Dr Mahama Ouedraogo, <i>Director of Human Resources Science and Technology at African Union Commission</i> <p>Moderator: Peggy Oti-boateng, Director, Science Policy and Capacity Building Division, UNESCO</p> <p>Rapporteur: Samuel Partey / Martiale</p>
--	---	---	--

<p>16:50-17:40</p>	<p>Report back session and discussion Moderator: Prof. F. Tagwira, Permanent Secretary, Ministry of Higher and Tertiary Education, Science, Innovation and Technology Development, Zimbabwe Rapporteur: Karimanzira Rungano, <i>Director, Ministry of Higher and Tertiary Education, Science & Technology Development, Zimbabwe</i></p>
<p>17:40-18:00</p>	<p>Closing Session: Highlights of the 2nd ARSTI Forum and way forward Jean-Paul Adam, Director, Technology, Climate Change and Natural Resources Management, UN ECA Prof. Hubert Gijzen - Regional Director and Representative, UNESCO Hon. Prof. dr. Amon Murwira (Sen): Minister, Ministry of Higher and Tertiary Education, Science, Innovation and Technology Development, Zimbabwe</p>
<p>18:30–21:00</p>	<p style="text-align: center;">Networking and Showcasing Innovations in Action</p>
<p>18:30 -20:30</p>	<p><u>Master of ceremony:</u> Guests of honour: Hon. Prof. dr. Amon Murwira (Sen): Minister, Ministry of Higher and Tertiary Education, Science, Innovation and Technology Development, Zimbabwe</p> <ul style="list-style-type: none"> • <u>Launch of the African Innovation Policy Advisory Group (AIPAG) – ECA</u> Remarks by Representative of AIPAG • <u>Showcasing and Pitching, and Award giving ceremony: Celebrating Ingenuity</u> Remarks by top 3 winners



Contacts

- Dr. Victor Konde, Scientific Affairs Officer, Green Economy and Innovation Section, Email: kondev@un.org
- Martiale Zebaze Kana, Head of Science Unit, UNESCO Regional Office for Southern Africa; E-mail: m.zebaze-kana@unesco.org
- Mmampei Chaba, Chief Director: Multilateral Cooperation and Africa, Department of Science and Innovation Email: Mmampei.Chaba@dst.gov.za
- Rungano Karimanzira, Director, Ministry of Higher and Tertiary Education, Science & Technology Development. Email: rungano.pualt@gmail.com