



EAST AFRICAN SCIENCE &
TECHNOLOGY COMMISSION
EASTECO



**EAC REGIONAL
E-HEALTH &
TELEMEDICINE
CONFERENCE | 2021**

3RD EAC REGIONAL E-HEALTH & TELEMEDICINE CONFERENCE PROGRAMME

16th - 17th June 2021

Embracing Digital Technologies to foster Innovations in Healthcare for the well-being of East Africans

The Third EAC Regional E-Health and Telemedicine Workshop and Ministerial Conference 2021 is succeeding a second one organized under the auspice of the EAC Secretariat.

These events aim to enable EAC Partner States to take advantage of technology solutions to improve healthcare delivery for the benefit of all their citizens, through the establishment and implementation of efficient National E-Health Strategies and Programmes, the adoption of ICT and mobile technologies for health as well as sustainable financial and business model for E-Health and Telemedicine.

The main objective of the Workshop and Ministerial conference is to provide a dialogue platform for academia, researchers, technologists, developers and government decision makers, to present and discuss existing and new digital technologies for enhancing healthcare in East Africa.

Wednesday 16th June 2021

09:00 – 10:00 EAT

Opening Remarks

EAC Anthem

Mr Fortunate Muyambi - Executive Secretary, EASTECO

Hon. Christophe Bazivamo - Deputy Secretary General, Productive Social Sectors, East African Community

Hon. Dr. Monica Musenero - Minister of Science, Technology and Innovation, Republic of Uganda

Mr. Frederick Kamusiime - Ministry of Foreign Affairs and International Cooperation, East African Community, Rwanda

Guest of Honour: Dr. Diana Atwine - Permanent Secretary, Ministry of Health, Republic of Uganda

Moderator: **Mrs Gertrude Ngabirano**

10:00 – 10:30 EAT

Break, Exhibition and Poster session

Wednesday 16th June 2021

10:30 – 12:30 EAT

Plenary Session 1: Panel Discussion

Theme: Embracing Digital technologies to foster innovations in Healthcare for the wellbeing of East Africans

Healthcare innovations are creating enormous capacities to access medical records, treat patients remotely with the limited qualified health personnel in the region, advance patient flow through digital engagements and ease of sharing information between different health departments. ICT-enabled and mobile solutions applied in the health services and now with more citizens owning mobile phones, digital health is improving access via m-health solutions and quality of health coverage and capacity building hence improving the quality of healthcare. Health IT opens up more avenues of exploration and research, which allows experts to make healthcare more driven and effective than it has ever been.

Keynote Speaker: **Dr Amit N. Thakker** - Chairman, Africa Health Business

Digital REACH Initiative: **Dr Novat Twungubumwe** - Ag. Executive Secretary, EAHRC

Digital Agenda as an enabler for the rapid development and scaling of new, region-wide and digitally enabled services

- **Ms. Brooke Partridge** - CEO Vital Wave

Using ICTs during the COVID-19 pandemic illustrates both the limitations of and opportunities for ICT use -

Eng. Daniel Murenzi - Principal Information Technology Officer, East African Community (EAC)

Big data and health information systems - **Mr Julio Malikane** - Digital Transformation Expert, UNCDF Uganda

E-Health applications response to Covid-19 with drones -

Mr Richard Ndahiro - Inclusive Digital Economy Expert, UNCDF Uganda

East Africa Community Digital Health and Interoperability Assessments - **Mr. Sam Wambugu**, Project Director, PATH

Discussion

Moderator: **Dr. Michael Jackson Katende** / Rapporteur: **Dr Sylvance Okoth**

12:30-13:45 EAT

Plenary Session 2: Panel Discussion

Theme: Enhancing digital skills for Healthcare personnel for improved service delivery

With the ever emerging digital tools developments which include Big Data and developments in artificial intelligence (AI), the health workforce in the region as the front-line users of the technology, must be equipped with new skills supported by policymakers who can understand and implement digital health strategies and infrastructure to put it to work effectively and safely. This session will explore the role of governments and the private sector providing capacity building to the health workers and improving e-literacy in healthcare.

Keynote Speaker - **Prof. Fredrick Chite Asirwa**, Executive Director, International Cancer Institute

Presentation 1: Human-centered design exploration with Kenyan health workers on proposed digital mental health screening and intervention training development: thematic analysis of user preferences and needs

- **Paul Macharia**, Informatics Specialist, Health Informatics Kenya and

Joseph Kathono, Clinical Psychology-University of Nairobi

Presentation 2: Adopting M-Health for E-learning for Health Training in Kenya Using Community Health Volunteers: A Case Study of Amref Health Africa's Leap in the Fight against COVID-19

- **Erick Kiringe**, Monitoring, Evaluation, Reporting and Learning, Amref Health Innovations

Presentation 3: Mobile Communication Application for Health

- **Samuel Walusimbi**, Systems Administrator, Ministry of East African Community Affairs (Uganda)

Discussion

Moderator - **Dr. Onesmus Kamau** - Ministry of Health, Kenya / Rapporteur - **Ms Joelle Mumley**

13:45 - 14:30 EAT

Break, Exhibition and Poster session

14:30-16:30 EAT

Plenary Session 3

Theme: Enabling environment for e-healthcare and advancements in National E-Health Strategies in the East African Community

Today, most especially during the Covid-19 pandemic era, most healthcare providers are trying hard to improve delivery and management of their services. Therefore innovation is key to make this happen but requires a friendly environment and a readiness to invest in change. This session will discuss regional Initiatives to realise an enabling environment for digital health interoperability standards across the region which include financial solutions for the disadvantaged, remote and rural communities, online and m-payment and reimbursement issues, skills development and mobile payment solutions.

Keynote Speaker - **Dr Richard Gakuba**, Founder and Managing Director, Health Systems Innovations Ltd

Presentation 1: Impact of COVID-19 related policy measures on maternal healthcare in Madagascar
- **Mrs. Gracia Andriamiadana**, Data Science, Charité Global Digital Health Lab

Presentation 2: Mobile health consulting as an option for improved access to healthcare in Nairobi's slums
- **Peter M. Kibe**

Presentation 3: Digitalising the hospital patient trajectory and secondary use of Electronic Health Records (EHRs) in Rwanda - **Celestin Twizere**

Presentation 4: **Yusuf Henriques**

Discussion

Moderator: **Steven Kirenga** / Rapporteur: **Dr. Fabian Mashauri**

Health Break

16:45-18:15 EAT

Plenary Session 3 continued

Theme: Enabling environment for e-healthcare and advancements in National E-Health Strategies in the East African Community

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Presentation 5: Contribution of Project Extension for community Health Care Outcomes (Project ECHO) in reducing the cost of Treatment for Multi-Drug Resistant Tuberculosis Patients in Tanzania

- **Mr. Peter Daud**, Medical Doctor

Presentation 6: Mobile phones for maternal health in a rural health district. What contribution? Case of the Health District of Mutaho (Burundi)

- **Dr. Adelin Mudonzi**, Intervention Officer, ENABEL National Health Information System Support

Presentation 7: Implementation Bottlenecks of Real Time Medication Monitoring (evriMED) for Improving Adherence to Anti-TB Drugs among Tuberculosis Patients in Kilimanjaro, Tanzania

- **Rehema Maro**, Research Assistant, Kilimanjaro Clinical Research Institute

Presentation 8: Financial solutions for disadvantaged, remote and rural communities

- **Mr Chris Lukolyo**, Digital Country Lead, UNCDF Uganda

Discussion

Moderator: Steven Kirenga / Rapporteur: Dr. Fabian Mashauri

18:15 EAT

End of Day One, Exhibition and Poster Session

10:00-12:30 EAT

Plenary Session 4

Theme: Digital Transformation to Achieve Universal Health Coverage in Africa - How do we get it right?

Today's digital advancements in healthcare are pushing innovation and hence motivating long-term structural changes regarding delivery of healthcare and with COVID-19 pandemic making it even more relevant by delivering health care remotely through telemedicine. This session will discuss developments in ICT enabled devices and systems for health, Bio-informatics and Information management, cross borders access to health services and E-health applications response to Covid-19 among others.

Keynote Speaker - **Dr Ernest Darkoh**, Founding Partner, BroadReach Corporation

Presentation 1: Establishing Regional Data Sharing and protection policies
- **Dr Patricia Odero**, Regional Director (Africa), Duke Global Health Innovation Center (GHIC)

Presentation 2: Strengthening quality of Health information products
- **Dr Serge Somda**, Methodologist & Biostatistician, West African Health Organisation

Presentation 3: Strengthening cross border access to health services for mobile populations
- **Ahmed Bashir** - IGAD and **Martin Weiss** - Jembi Health Systems

Presentation 4: VaccineGuard - A digital platform that enables end to end visibility for the vaccine value chain
- **Dr. Ain Aaviksoo**, Chief Medical Officer, Guardtime

Presentation 5: Championing Health Information systems and Innovation - **Irene Mwoga**

Discussion

Moderator: **Badru Ntege** / Rapporteur: **Eng. Andrew Charles**

12:30 - 14:30 EAT

Break, Exhibition and Poster session

14:30 – 16:30 EAT

Ministerial Session (Panel Discussion)

Ministerial dialogue on Strategies, Policies and Regulations for e-Health and Telemedicine

This Ministerial session will be introduced by presentations of the Resolutions of the Workshop sessions and followed by Ministerial dialogue on EAC Partner States' achievements in E-Health and Telemedicine. The Ministers of Health, ICT and STI or their representatives will discuss on subjects related to Healthcare Digital Technologies and innovations, a regional approach to digital health initiatives and e-Government Programmes in support to healthcare delivery systems

Mr Fortunate Muyambi - Executive Secretary, EASTECO

Hon Dr. Peter Mathuki - Secretary General of EAC

Prof. Maulilio Kipanyula - Representing Hon. Minister of Education, United Republic of Tanzania

Guest of Honour: Dr. Diana Atwine - Permanent Secretary, Ministry of Health, Republic of Uganda

Dialogue members/Ministers

Feedback /Responses from Ministers

Minister responsible for Health, EAC, Republic of Kenya

Minister responsible for Health, Republic of Burundi

Ms. Edith Munyana - Representing, Hon. Minister of Health, Republic of Rwanda

Mr. Antoine Sebera - Representing, Hon. Minister ICT, Republic of Rwanda

Hon. Dr. Faustine E. Ndugulile - Hon Minister of ICT, United Republic of Tanzania

Dr Jean Baptiste Nzorironkankuze - Permanent Secretary Ministry of Health, Republic of Burundi

Samuel Mulindwa - Permanent Secretary, Ministry of Education, Republic of Rwanda

Output: Key Action Points on E-health and Telemedicine adopted by the Ministers

16:30-17:00 EAT

Closing Remarks

Executive Secretary of the EASTECO

Secretary General of EAC

Chair of EAC Council on Health

Guest of Honour

17:00 EAT

Close of Conference, Exhibition and Poster Session

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