



Summary Report



Nairobi 2017

“Accelerating the attainment of SDGs through ICT& Data”

Background information

The International triple Helix summit was borne out of a need concert efforts from different players to accelerate the attainment of SDGs and Vision 2030; this became apparent as Kenya's progress towards the attainment of the MDGs targets realized mixed results. Kenya managed to reduce the population living below the poverty line from 52.3 per cent in 2000 to 45.2 percent in 2009. On universal primary education, the net enrolment rates improved to 95.9 per cent in 2013. The number of pupils completing the primary course rose to 83.2 per cent as compared to 57.7 in 2000. Although the proportion of under one year olds immunized rose to 85 per cent, the country continues to lose 74 infant for every 1,000 live births. The rate of maternal mortality was 488 for every 100,000 live births higher than the continental average

The International Triple Helix Summit

The Triple Helix Summit was held in April 2017 at the University of Nairobi. The theme of the summit was **"Accelerating attainment of SDGs through ICT & Data"**; this was meant to catalyze the overall attainment of Sustainable Development Goals. The Summit proposed the use of a Quadra Helix approach that incorporates the Governments, the private sector, Civil Society and the Academia. It was a 3-day event with **1153** participants (**413-profesional delegates and 743-Student delegates**) based on the need to involve the media the summit received 157 abstract applicants (**Health-50, Education 50, Environments 33, ICT & Data-24**), of which 47-were in line with the summit theme hence presented to address different agendas on SDGs.

The summit Committee

The summit had three main organs, **The Steering Committee**, the **Scientific Committee** and the **Secretariat**. The Steering Committee was chaired by the Office of the Deputy President with coordination from I Choose Life-Africa and the United Nations and had representatives from the various Government ministries, Private Sector, Academia, Civil Society and Triple Helix Association. The Scientific Committee was led by various universities with a goal of ensuring that the implementation of the SDGs is based on research and evidence. The Secretariat's role was to ensure the timely execution of the Summit deliverables. I Choose Life-Africa hosted the secretariat

The summit Sessions



Mr. Arif Nerky- UN Philanthropy moderating Global Partnerships, ICT & DATA for The Attainment Of The SDGs Session.

The summit had three different sessions; Plenary, Track and Workshops

The sessions were organized around the major SDG topics, with panelists, moderators and participants from the different helices; professionals driving the implementation of particular SDGs agendas moderated them;

Plenary sessions;

Plenary Session 1.

The SDG accelerator-Moderated by **Eng. Mike Mutungi-CEO-I Choose Life-Africa**

Plenary Session 2.

Inclusive and equitable quality education that promotes lifelong learning opportunities for all-Moderated by: **Dr. Dr. Sarah Jerop Ruto - Kenya Institute of Curriculum Development (KICD)**

Plenary session 3

Universal Health Coverage (UHC) In a Devolved Government for Sustainable Development- moderated by **Dr. Njeri Mwaura, Health in Africa initiative, Kenya programme Lead- World Bank**

Plenary Session 4

End Hunger, Achieve Food Security, Improved Nutrition and Promote Sustainable Agriculture- Moderated by **Dr. Evelyn Okoth, Food Scientist involved in post-harvest technology particularly fruits and Vegetables, Jomo Kenyatta University of Agriculture and Technology**

Plenary Session 5

Take Urgent Action to Combat Climate Change and its Impacts Moderated by:
Prof. Judy Wakhungu, Cabinet Secretary Environment Panelist

Plenary Session 6

Global Partnerships, ICT & DATA for The Attainment Of The SDGs. Moderated by
Mr. Arif Nky- UN Philanthropy. Advisor, Strategic Partnerships, UN office

Track Sessions

In total, 47-papers were presented under the pillars. The presentations were geared towards providing solutions to the different SDG Goals below and were in line with the Summit theme, **“Accelerating the attainment of SDG’s through ICT& Data”**

- **SDG 1:** End poverty in all its forms everywhere
- **SDG 2:** End hunger, achieve food security and improved nutrition and promote sustainable agriculture
- **SDG 3:** Ensure healthy lives and promote well-being for all at all ages
- **SDG 4:** Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all
- **SDG 7:** Ensure access to affordable, reliable, sustainable and modern energy for all
- **SDG 13:** Take urgent action to combat climate change and its impacts
- **SDG 17:** Strengthen the means of implementation and revitalize the global partnership for sustainable development

Workshops

1. Cooperative incubators: the contribution of entrepreneurial university to alleviate poverty in Brazil-**Prof. Mariza Almeida**
2. Establishing Science Parks & Incubators in Africa : **Mr. Juan A. Bertolin Spain**
3. Triple Helix and Drivers Of Regional Development. : **Prof. Emanuela Todeva**
4. Green business, green jobs and green economy : **Mr Nils Lindh**

Summit Outcomes

The summit was attended with a total of 1153 participants (**413-profesional delegates and 743-Student delegates**), the summit received 157 abstract applicants (Health-50, Education 50, Environments 33, ICT & Data-24), of which 47-were in line with the summit theme hence presented to address different agendas on SDGs;

The presented abstracts were:

Track: Innovations and Technology for Health Systems

Moderators: Dr. Yvonne Katambo

Presenters:

1. **Dr. Henry Mwangi:** Evaluating the feasibility and acceptability of sending pregnancy and abortion history surveys through SMS text messaging to help reach SDG 3.
2. **Laura Farren-** : Evaluating the feasibility and acceptability of sending pregnancies and abortion history surveys though SMS text messaging to help reach SDG
3. **Dennis Ndwiga (KEMSA):** Use of mobile phones to reduce road time.
4. **Julius Ogwany** :Health schemes in India

Track: The Entrepreneurial University- from access and curriculum to regional innovation systems

Moderator: Prof. Henry Etzkowitz

Presenters:

1. **Prof Frank Patti**-Industry linked PhD training
2. **Dr Hillary Masaya**-Determinants of acceptance and use of new media technology in scholarly communication
3. **Dr Purity Muthima**-Does gender matter as far as earning and enrolment are concerned for TVET graduates.
4. **Dr/Prof Alice Zhou**- Triple Helix in Developing countries- Experience from China

Innovation and Technology for Education Systems

1. **Mrs Marry** - From TSA to Teacher Performance
2. **Mrs. Wangeci**- Online Personalized Tutor
3. **Margaret from RTI**- Use Of Language In Delivering Of Language Instruction In Ecd Centers In Kenya: Case Study Tayari Ecd Program

Environment

Track: Environmental Sustainability, Climate change and Information Systems

Presenters:

1. **Dr. Jessica** (Director at waste Recovery); how waste management can create sustainable development.
2. **Dr. Michaelina Almaz**-Role of women in achieving SDGs linking ICT and climate information.
3. **Dr. Paul Maina** (St. Paul's University)-Presentation topic: Climate change and Resilience.
4. **George Adwek** (Hebei University of technology)-Economic feasibility study as a solar organic cycle and its application in Kenya.

ICT & DATA

Data roadmaps for sustainable for sustainable development and triple helix responsibilities

Presenters:

1. **Ann Gatende** – I Choose Life – Africa, Director – Girl Education Funded Project.
2. **Ms. Lucy Mburu**- Innovations for citizen generated Data on Housing in the Nairobi City
3. **Mr. Harold Omondi** - How ICT can be used to attain SDGS.

Education System Responsiveness & Resilience

Moderator: Mr. Phil Oduor

Presenters:

1. **Prof. E.K.Tanui & Dr.J.RChoge**-Peace, Education and Development: The Cow Economy and the Gun: A Case Study Of the Suguta Valley Environs, Kenya.
2. **Dr. Lynnet Ong'era** – The Influence of Parenting Styles on Learners Academic Performance in Nairobi County, Kenya.
3. **Dr. Gladys Mengich** Management Practices involved in Distance Education for Health Professions Training in Kenya.

Data Ecosystem Responsiveness

Moderator: Mr. Steve Kenei

Speakers:

1. **Mr. Mwenda Gitonga**, Palladium (global consulting firm)
2. **Mr. Evans Yegon**, I Choose Life-Africa

Food and Hunger

1. **Ms Yvette Ondachi**-Attaining SDG goal number 2 with smallholder farmers and ICT innovations.”
2. **Mr. Steven Ndanda**-farm mechanization for smallholder farmers.
3. **Mr. Hilary Onyango Oluoch**-banana stem value addition. He introduced a problem context- a list of problems faced in the Kenya

Participants

The summit attracted participation from different diversities, backgrounds, countries, governments; academic institutes and corporate organizations. The participants included International delegates, Governments and other development partners.

International Delegates:

1. **Prof. Henry Etzkowitz**:President Triple Helix Association & International Triple Helix Institute (US)
2. **Prof. Tariq S. Durrani** :Director of UK National Commission for UNESCO (UK)
3. **Prof. Mariza C. Almeida** :Federal University of the State of Rio de Janeiro (BR)
4. **Prof. Emanuela Todeva**: St Mary's University (UK)
5. **Dr Tatiana Pospelova**: Global Innovation Labs (US)
6. **Mr. Juan A. Bertolin** - Chief Innovation and Project Officer Espaitec STP University Jaume (ES)



Eng. Mike Mutungi-CEO I Choose Life-Africa and Prof. Henry Etzkowitz-President Triple Helix Association & International Triple Helix Institute and Eng. Mike Mutungi

Government Ministers-Kenya:

- **Ministry of Health**, represented by Dr. Peter Kimuu and Dr. Isabella Maina Head of M& E
- **Ministry of Education**, represented by Dr. Leah Rotich Director General & Sylvester Mulambe – Deputy Director at the Ministry of Education

- **National Hospital Insurance Fund-** Dr. Geoffrey Mwangi-CEO
- **Ministry of Devolution and Planning-** Wilson Nyakera- Permanent Secretary, Ministry of Devolution and Planning.

Ministry of Environment, represented by the Cabinet Secretary-Prof. Judy Whakungu



Academia:

- University of Nairobi-Represented by Pro. Peter Mbithi- VC
- Jomo Kenyatta University of Agriculture & Technology -represented by Dr. Patrick Mbidyo-Director Research
- Aga Khan University Hospital- Dr. William Macharia

Prof. Mbithi Peter MF, Vice Chancellor-The University Of Nairobi & Cabinet Secretary, Ministry of Environment, Water and Natural Resources-Kenya

Corporate Partners

- Microsoft Africa
- Vodafone Africa
- EPTF- Empowered entrepreneurs transforming communities
- Maths Whizz
- VSO- Voluntary Service Overseas (VSO)

Development Partners & Civil societies

- World Bank-Represented by Dr. Njeri Mwaura
- PricewaterhouseCoopers(PWC) - Sarah Holst- Fund Manager
- Department for International Development - GOV.UKUN-
- The United Nations Children's Fund(UNICEF)-represented by Maqo Eric Gitau-

Exhibitions by Corporate partners at the University of Nairobi Great Court



Exhibitions

For the attainment of sustainable Development Goals and Kenyan visions 2030, some institutions and individuals had an opportunity to exhibit their technologies and innovations. The technologies and innovations were to provide solutions to social problems in Health, Education, Food security & Hunger

Some of the Corporate Exhibitors are:

1. **Stokeman Rozel Kenya Limited- Agricultural seedling propagators**
2. **Maths Whizz** - Online Maths tuition portal geared towards improving maths ability
3. **Microsoft Africa** -Supporting digital skills in high school students
4. **Vodafone**
5. **VSO- Voluntary Service Overseas (VSO)**

Key Lessons Learned & Key recommendations

1. There is a growing need for concerted efforts towards the achievement of SDG
2. A consortium of different organizations under different helices must be created
3. Establish a Kenyan Triple Helix Chapter to rally Key Players (Government, Academia, Industry and Civil Society) in accelerating the attainment of SDG's
4. To identify 5- key indicators per goal and established Kenyan Vision 2030 targets
5. To develop an SDG performance score card, tracking and reporting framework for the five SDGs
6. To lead the implementation of 5 goals in 9 SDGs Counties of Excellence in a Quadra Helix approach. The 9 SDG counties of excellence shall be used as
7. To map out different stakeholders, establish partnerships and a coordination framework using the multi sectoral approach
8. To sensitize and advocate for the implementation of the SDGs in Kenyan counties
9. Customize/Localize SDGs
10. To mobilize resources from development partners and other players for the SDGs acceleration roadmap
11. Conducting capacity building for SDGs for key delivery institutions.

