

AFRICAN UNION

الاتحاد الأفريقي



UNION AFRICAINE

UNIÃO AFRICANA

Addis Ababa, ETHIOPIA P. O. Box 3243 Telephone: 251 11 551 7700 Fax: 251 11 551 7844

Website: www.au.int

DEPARTMENT OF HUMAN RESOURCES, SCIENCE AND TECHNOLOGY

INNOVATING EDUCATION IN AFRICA EXPO 2019

Harnessing the Capacity of ICT to ensure Inclusion, Quality
and Impact in Education and Training in Africa

20–22 August 2019

Gaborone, Botswana

Program

19 August

Time	Activity
08.00 – 20.00	Registration and accreditation of Participants / Side events

Day 1

20 August

Time	Activity
7.00 – 8.00	Registration and accreditation of Participants
8:00 – 08:30	Ministers Guided tour of Exhibition Booths
08:30 – 09.30	Opening Session Opening Ceremony: Master of Ceremonies: Professor Totolo Moderator – Dr. Mahama Ouedraogo, Director for Human Resources, Science and Technology – AUC <ul style="list-style-type: none">• Opening Remarks<ul style="list-style-type: none">- Statement by Charles Ofori Antipem - Dext Technology: Winner of 2018 AU Education Innovation Prize- Joseph Nsengimana, Director, Regional Centre for Innovative Teaching and Learning in ICT, Mastercard Foundation. “Harnessing the power of ICT to improve teaching and learning in Africa”- AfDB- Dr. Edward Addai, UNICEF Representative to AU and UNECA• Welcome Remarks - H.E Prof. Sarah Anyang Agbor, Commissioner for Human Resources, Science and Technology of the African Union Commission (AUC)• Opening Address - Botswana• Introduction of Innovators by Minister of Basic Education
09.30 – 10.00	Group Photos / Coffee Break
10.00 – 11.30	Plenary Session 1 (Plenary Hall): Ministerial Roundtable on Promoting ICT in Education: Opportunities and Challenges Moderator: Dr. Mahama Ouedraogo, Director for Human Resources, Science and Technology – AUC

Ministers

- *H.E. Prof Sarah Anyang Agbor, Commissioner for HRST – AUC*
- *H.E. Mr. Bagalatia Arone, Minister of Basic Education of Botswana*
- *H.E. Mr Sangare Mory, Ministre de l'Education Nationale et de l'Alphabétisation - Guinea*
- *H.E. Prof. Paul Mavima, Minister of Primary and Secondary Education - Zimbabwe*
- *H.E. Dr Isaac Munyakazi, Minister of State in Charge of Primary and Secondary Education – Rwanda*

11.30 – 12.15 **Plenary Session 2 (Plenary Hall):** Pitching Session Round 1 by Top Innovators

Moderator: Dr. Beatrice Khamati Njenga, Head of Education Division, AUC

- *Joshua Oodira (Botswana), Classmate*
- *Nguangue Ebongue Joseph (Cameroon), SCOLARYX Educational Box*
- *Chancel Malanga Mathoy (Democratic Republic of the Congo), KELASI*
- *Wakesho Nyaboke (Kenya), Hadithi Hadithi!*
- *Carlos Augusto Bedito (Mozambique), ACADEMYCUS*

12.15 – 13.30 **Plenary Session 3 (Plenary Hall):** Ministerial Roundtable on ICT for Skills Development

Moderator: Mr. Albert Nsengiyumva, Executive Secretary – ADEA

- *H.E. Professor Albert Gbakima Aiah, Minister of Technical and Higher Education Minister - Sierra Leone*
- *H.E. Dr. Ndirahisha Janvière, Ministre de l'éducation, de la formation technique et professionnelle – Burundi*
- *H.E. Mr. Lamine Moustapha, Secrétaire d'État à l'Éducation Nationale, Chad*
- *H.E. Russom Hadera Semere, Minister of Education – Eritrea*
- *H.E. Ms Tsion Teklu Maru, State Minister of Education – Ethiopia*

13.30 – 14.30 **Lunch Break**

14.30 – 15.45 **Plenary Session 4 (Plenary Hall):** Ministerial Roundtable on Promoting Research and Innovation in Higher Education

Moderator: Mr Pheny Moroka, Journalist

-
- *H.E. John Chrysostom Muyingo, Minister of State for Higher Education - Uganda*
 - *H.E. Prof. Amon Murwira, Minister of Higher and Tertiary Education, Science and Technology Development – Zimbabwe*
 - *H.E. Dr Amara Ali Ginette Mazieki, Minister of Scientific Research and Technological Innovation - Central African Republic (CAR)*
 - *H.E. Prof. Alkassoum Maiga, Ministre de l'Enseignement Supérieur, de la Recherche Scientifique et de l'Innovation - Burkina Faso*
 - *H.E. Dr Matthew Opoku Prempeh, Minister of Education - Ghana*

15.45 – 16.30 **Plenary Session 5 (Plenary Hall):** Pitching Session Round 2 by Top Innovators

Moderator: Dr. Beatrice Khamati Njenga, Head of Education Division, AUC

- *AdeDamola K. McCarie (Nigeria) The iSchool CLOUD Artificial Intelligence Virtual School & MultiBOOK Framework*
- *Lamine SARR (Senegal) African Digital Libraries (Online and Offline) to Improve Access and Quality of Education*
- *Susannah Farr (South Africa), Peer2Peer Systemic Scale*
- *Goodluck Chanyika (Tanzania), Jumuisha Tanzania Initiative*
- *Samson Rwahwire (Uganda), Busitema University Lightboard for e-learning*
- *George Boateng (Ghana), SuaCode*

16.30 – 17.00 **Coffee Break**

17.00 – 18.00 **Plenary Session 6 (Room):** Exploring Innovative Pathways and Technologies for Lifelong and Life-wide Education, entrepreneurship and employability

Methodology: Panel Discussion

Moderator: Ademola Adesina

Framing the session: Ms. Prudence Ngwenya - AUC

Part 1 – Alternative pathways to learning

1. Early childhood Devt – Janet Muthoni, Africa Early Childhood Network
2. Models for Alternative Pathways to learning - Marie-Anne Bourechache, Trace Academy
3. Remedial Learning – Nadi Albino, UNICEF/GenUnlimited

Part 2 – Platforms for learning

4. *E- Learning - Prof. Callistus Ogot – Coordinator, Pan African Virtual and e-University (PAVeU)*
-

-
5. Digital Learning Platforms - Thomas MacKay, Senior Director – Enablement Delivery, VMware
 6. Digital Skills - Botswana Institute for Technology Research and Innovation
-

18.30 – 20.00 Welcome Reception hosted by Minister of Basic Education, Botswana

Day 2

21 August

Time	Activity
9:00 – 10:30	<p>Plenary Session 7 (Plenary Hall): Exploring Innovative Pathways and Technologies for Lifelong and Life-wide Education, entrepreneurship and employability</p> <p>Part 3: Enablers to Alternative pathways to learning</p> <p>Methodology: Fireside Chat / fishbowl</p> <p>Moderator: Ademola Adesina</p> <p>Panelists:</p> <ol style="list-style-type: none">1. <i>National Policy - H.E. Ms Tsion Teklu Maru, Minister of State in Charge of Education – Ethiopia</i>2. <i>Continental Policies - Prudence Ngwenya Head of Youth Division AUC</i>3. <i>Anna Ekeledo – Executive Director, Afrilabs</i>4. <i>Joseph Nsengimana - Director, Regional Centre for Innovative Teaching and Learning in ICT, Mastercard Foundation</i> <p><i>Conclusion and way forward: Dr Edward Addai, UNICEF Representative to AU and UNECA</i></p>
10.30 – 11.00	Coffee Break

11.00 – 13.00 **Parallel Session 1 (Plenary Hall):** Employable Skills and Entrepreneurship:

Moderator: Dr. Paschal Anosike, Director of CAEL,
Wolverhampton University

Presenters:

Member States

1. *Ms. Khady MBODJI, Secrétaire général, Ministère de l'Education nationale - Senegal*
2. *Mr Donald Kopoi, Director/Chief Operations Officer, Directorate of Science Technology and Innovation - Sierra Leone*
3. *Ms Carinne VanWesthuizen, Department of Basic Education - South Africa*
4. *Mr Alejandro Martin Owono Evuna, Director General of Educational Cooperation, Ministry of Education, University Teaching and Sports - Equatorial Guinea*

- Moderated Discussions

Development Partners

5. *Aissa Sow, Senior Program Manager, Policy & Digital Skills, Mastercard Foundation*
6. *VMware Virtualize Africa – Supporting digital skills creation on the African continent*
7. *Donald kubayi – South Africa: Harnessing the Fourth Industrial Revolution to advance Quality Education in Africa to meet aspirations as articulated in the Continental Education Strategy for Africa*
8. *VMWare - Tanteeta – Delivering technical education sessions at African schools*
9. *Ida Ng'ang'a - Global Lead, Internet for Education: Coding Skills & ICT for Education Strategies in the Digital Era*
10. *BITRI: Technology research and the fourth industrial revolution to aid education*

- Moderated Discussions and Conclusion

Parallel Session 2 (Breakout Room 1): Enhancing Access and Inclusion (A)

Moderator: Mr. Shem Bodo, Senior Programme Officer, ADEA

Presenters:

Member States and RECs

1. *Mr Oumar MAIGA, National Director of Technical and Vocational Education, Ministry of Education - Mali*
-

-
2. *Dr Lydia Ifeyinwa Giginna, Director of Education Support Services, Federal Ministry of Education - Nigeria*
 3. *Mr. Leon Mwumvaneza, Director of ICT, Ministry of Education – Rwanda*
 4. *Presentation by Union du Maghreb Arabe (UMA)*

- Moderated Discussions

Development Partners

5. *VMWare - ScholarX – Linking African students to affordable scholarships*
6. *AfriLabs- Innovating for Impact: The potential of Technology Supported Learning*
7. *Dr. Umaru Garba – Nigeria: Impact of Digital Storytelling on Reading Interest of Pupils with Reading Difficulties in Sokoto State*
8. *Mervyn Christoffels, Executive Director ICT - University of South Africa, An African University's Digital Transformation Journey to ODeL: Repositioning UNISA to Leverage Digital Opportunities*
9. *Mr. Gilbert Byatuhair, Senior Programmes Manager – AU-STRC, African Union Network of Sciences: Impact of CESA and STISA*
10. *Dr. Dara Akala, Executive Director, Foundation for Partnership Initiatives in the Niger Delta, Abuja, Nigeria: Developing Model Pathways from Skills Training to Employment in a Fragile Environment*

- Moderated Discussions and Conclusion

Parallel Session 3 (Breakout Room 2): Education Planning, Management and Assessment

Moderator: Lukman Jaji, IPED Policy Officer

Presenters:

Member States and RECs

1. *Mr SENY SYLLA, CONSEILLER CHARGER DES QUESTIONS PEDAGOGIQUES, Ministère de l'Education Nationale et de l'Alphabétisation - Guinea*
2. *Prof. Pius Motlatsi Ramollo, Dean-Faculty of Science and Technology, National University of Lesotho - Lesotho*
3. *Mr Noel Chikhungu, Director of ICT, Education, Science and Technology – Malawi*
4. *Presentation by Southern African Development Community (SADC)*
5. *Presentation by Economic Community of Central African States (ECCAS)*

- Moderated Discussions
-

Development Partners

6. *Swaraj Ram – Mauritius: EdTech: A web-based ERP solution for integrated student information management*
7. *Professor Richard Tabulawa: Botswana University*
8. *Peter Tabichi – Kenya, Enhancing student engagement towards better learning outcomes.*
9. *Ben Aboubacar – Comoros: Setting up of a digital documentation tool at the University of Comoros "Outsaha" / Implementation of a digital documentation tool at the University of Comoros "Outsaha"*
10. *James McIntyre, Sr. Program Manager, Leaders in Teaching, Mastercard Foundation*

- Moderated Discussions and Conclusion

Parallel Session 4 (Breakout Room 3): Gender Responsive ICT for STEM Education and STEM based careers

Moderator: Martha Muhwezi, FAWE CEO

Presenters:

Member States

1. *Mr Forbes Nyamayaro, Deputy Director for ICT, Ministry of Higher and Tertiary Education, Science and Technology Development - Zimbabwe*
2. *Mr Anthony Felix Baffoe Jnr, Director of ICT, Ministry of Education – Ghana*
3. *Mr Goodwill Kudakwashe Chademana, Deputy Director, Ministry of Primary and Secondary Education – Zimbabwe*
4. *Mr Berhanu Moreda, Director General, Ministry of Education – Ethiopia*
5. *Mr Adama Jimba Jobe, Deputy Permanent Secretary of Programmes, Ministry of Basic and Secondary Education – Gambia*

- Moderated Discussions

Development Partners

6. *FAWE - FAWE's Gender Responsive Pedagogy (GRP)- Promoting Science, Technology, Engineering, Art & Design and Mathematics (STEAM) for Girls*
 7. *Dr. Anita Antwiwaa – Ghana: Deployable CANSAT: A tool for teaching Space Technology in Ghana*
 8. *David Wahome, Teacher - Teacher Innovation: Creating Solutions Towards a Learner-Centred Teaching & Learning Process in Physics Lessons*
-

-
9. *Mr. Francis Kamau, CEMASTE A - Teacher professional development through school-based INSET*
 10. *Dr. Claude Abanda, African Institute of Computer Sciences: Women and youths empowerment through ICT. Taking as example the program "opération 100 000 femmes and MIJEF 2035 practiced in Cameroon*
- Moderated Discussions and Conclusion

13:00 – 14.00 **Lunch Break**

14:00 – 16.00 **Parallel Session 5 (Breakout Room 1):** Enhancing the Teaching and Learning Experience

Moderator: Mr. Koolese Ndodo, Director of Primary and Secondary Education, Botswana

Presenters:

Member States

1. *Mr Adilson Manuel Jose, Education Officer, Ministry of Education - Angola*
 2. *Mr Pierre Dossou-Yovo, l'Agence béninoise de Valorisation des résultats de la Recherche et de l'Innovation technologique Directeur générale – Benin*
 3. *Mr Louis Ngope, ICT and Media Services – Ministry of Basic Education, Botswana*
 4. *Mr. Patrick Emmanuel Muinda, Assistant Commissioner - ICT, Ministry of Education and Sports – Uganda*
- Moderated Discussions

Development Partners

5. *Ms. Esther Wachira, County Programme Manager, African Digital Schools' Initiative (GESCI) - The Professional Teacher in the Digitally-Enabled School Community of the Future – a profile*
 6. *Lucian Vumilia Ngeze – Tanzania: Locally Developed Online Courses: A Solution to scaling of in-service Teacher Professional Development in ICT Integration in Tanzania*
 7. *Janet Muthoni Ouko, AfECN – Enhancing Teaching and Learning for better outcomes in Early Childhood Education and Development*
 8. *Dr. Lawalley Cole, CAFOR - Using the Media Lab to teach courses for Journalism, Radio and Television Sections in a Media Department*
 9. *Sidy Ndao, Ph.D., Associate Professor Mechanical and Materials Engineering, University of Nebraska-Lincoln - Pan-African Robotics Competition (Mastercard Foundation)*
-

-
- Moderated Discussions and Conclusion
-

Parallel Session 6 (Breakout Room 2): Expanding out-of-school Girls' Horizons through Digital Transformation (AU/CIEFFA)

Moderator: Dr. Rita Bissoonauth, AU/CIEFFA Coordinator

Presenters:

Member States

1. *Dr Yacouba Ouattara, Chercheur en informatique à l'Université Joseph Ki-Zerbo, Ministère de l'Enseignement Supérieur, de la Recherche Scientifique et de l'Innovation Enseignant - Burkina Faso*
2. *Mr Edouard Juma, Ministère de l'éducation, de la formation technique et professionnelle Ministry Official - Burundi*
3. *Dr Landry Zacharie Changement, Enseignant Chercheur, Ministère de l'Education - Central African Republic (CAR)*

- Moderated Discussions

Development Partners

4. *Linda Nanan Vallée, Senior Advisor, Lecturer and Digital Economy expert, Côte d'Ivoire*
5. *Reine Mbang Essobmadje, CEO, Evolving Consulting, Cameroon/France*
6. *Arielle Kitio, CEO/Founder of CAYSTI, Next Einstein Fellow*
7. *Mr Shiraz Chakera, Education Specialist, UNICEF ESARO*
8. *Ms Alice Ochanda, Gender Programme Specialist, UNESCO*
9. *Mastercard Foundation*

- Moderated Discussions and Conclusion

Parallel Session 7 (Breakout Room 3): Enhancing Access and Inclusion (B)

Moderator: Prof Ilongo Fritz, University of Eswatini

Presenters:

Member States

1. *Mr Moustapha Lamine, Secrétaire d'État à l'Éducation Nationale, Ministère de l'Éducation - Chad*
 2. *Dr Said Hassane Said Omar - Chercheur - Correspondant National du CONFEMEN, Université des Comores - Ministère de l'Education Nationale , de l'Enseignement et de la Recherche Scientifique Enseignant - Comoros*
-

-
3. *Ms Wivine Yenga Wassako, Secrétaire Général à l'enseignement Supérieur et Universitaire - Democratic Republic of Congo*
 4. *Mr Alem Habte Mare - Director of ICT, Ministry of Education – Eritrea*

- Moderated Discussions

Development Partners

5. *Amy Ogan, CMU, Allo Alphabet: An IVR to increase access to foundational literacy opportunities (Mastercard Foundation)*
6. *Viderot Harry Jeer jr. – Benin: Mobile telephony at the service of inclusive education and training*
7. *Collins Ntshamba – Botswana: Harnessing the capacity of ICT to ensure inclusion, quality and impact in education and training in Africa*
8. *Meareg Hailemariam – Ethiopia: A Generic Framework to Bridge the Gap between Formal Education and the Social Media*
9. *Abdirahman Yusuf Abdihafid – Somalia: Mobile Helper, contextual help, university, user-centered design based in Somalia*
10. *Erick Tambo, PAUWES: Entrepreneurship Incubator Curriculum: PAUWES MDE (Mini-grid, Digitalization and Entrepreneurship) Online Postgraduates Program as Example*

- Moderated Discussions and Conclusion

Parallel Session 8 (Plenary Hall): Africa Creates Jobs. “ICT’s capacity to open up possibilities for innovation, entrepreneurship, and employability.

Moderator: Sylvester Ademola

Presenters:

1. *Violette Uwamutara - Country Director; Digital Opportunity Trust – Rwanda: Youth lead solutions to make ICT tools more accessible Solutions for accessibility of ICT tools.*
 2. *Fareen Mawande - Programmes Lead, Nairobi: Building partnerships with the private sector to link youth with jobs.*
 3. *Zachary Ouma - Creative Director, Dragonfly Limited: Perspectives on private sector engagement.*
 4. *Hafedh Ghaddab - Directeur du Pôle Formation Professionnelle, Tunisia: IMSET Public TVET college - Experiences from the field.*
-

-
5. *Government Rep. Rwanda TBC. - Reflections on the “Smart Rwanda Master Plan.” Role of government in ICT skills development for youth.*
 6. *Cheryl James - BUSA, Country level mechanisms for Public Private Partnerships*
-

16.00 – 16.30 **Group interactions with Innovators (Exhibition space)**

16.30 – 17.30 **Plenary Session 8 (Plenary Hall):** Amassing Continental Efforts in Harnessing the Capacity of ICT to ensure Inclusion, Quality and Impact in Education and Training in Africa

Moderator: Jerome Morrissey, CEO – Global e-Schools and Communities Initiative

- *Dr. Beatrice Njenga, Head of Education Division – AUC*
 - *Moses Bayingana, Senior Policy Officer - Infrastructure and Energy, AUC Department*
 - *Ms. Nena Thundu, Policy Officer – Social Affairs, AUC*
 - *Pape Samb, Director of Ashoka Africa*
-

18.30 – 20.30 **Cultural night hosted by Botswana (Traditional attire)**

Day 3

22 August

Time	Activity
9.00 – 10.30	<p>Plenary Session 9 (Plenary Hall): Recap and Way Forward</p> <p>Moderator: Prof. Mekonen Haddis, Senior Advisor – Bureau of Deputy Chairperson, AUC</p> <p>Presentation on the Way Forward:</p> <ul style="list-style-type: none"> • <i>Dr. Mahama Ouedraogo – Director, Human Resources, Science and Technology – African Union Commission</i> <p>Partner commitments on Way Forward:</p> <ul style="list-style-type: none"> • <i>UNICEF</i> • <i>UNESCO</i> • <i>Mastercard Foundation</i> • <i>ADEA</i> • <i>AfDB</i> • <i>VMware</i> • <i>TRACE</i>

-
- *GIZ*
 - *Global e-Schools and Communities Initiative (GesCI)*
 - *ONE*
 - *Ashoka*
 - *Association of African Universities (AAU)*
 - *Centre for Mathematics, Science and Technology Education in Africa (CEMASTEAM)*
 - *Forum for African Women Educationalists (FAWE)*
 - *Botswana Fibre Network*

10:30 – 11.00 **Coffee Break**

11.00 – 12.30 **Plenary Session 10 (Plenary Hall):** Presentation of Awards to Innovators

Moderator:

Dr. Beatrice Njenga, Head of Education Division – African Union Commission

- Presentation of Award to IEA Logo design winner
- Presentation of Certificates and the African Union Education Innovation Awards - 2019
- Vote of Thanks by Winning Innovator

12.30 – 13:30 **Plenary Session 11 (Plenary Hall):** Closing Session

- Presentation of draft Communique by Rapporteur General: Dr. Yohannes Woldetensae, Senior Education Expert – African Union Commission
- Closing Remarks by Dr. Mahama Ouedraogo – Director of Human Resources, Science and Technology – African Union Commission
- Closing Remarks by Permanent Secretary, Ministry of Basic Education, Botswana
- Announcements

13.30 – 14.30 **Lunch Break / Press Conference**

14:30 – 16.00 **Field Visits organised by Botswana**
