



TAU

**TRUE AFRICA
UNIVERSITY**



How is Sierra Leone Innovating in Education?

David Moinina Sengh

Minister, Basic and Senior Secondary Education

Chief Innovation Officer, Directorate of Science, Technology and Innovation

March 3rd, 2022 | Webinar

Sierra Leone, Innovating?



Sierra Leone National Innovation & Digital Strategy

2019 - 2029

Digitization for all: Identity, Economy, and
Governance



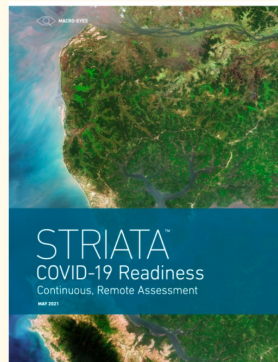
DIRECTORATE OF SCIENCE
TECHNOLOGY & INNOVATION

2019
TAU | TRUE AFRICA UNIVERSITY × **MIT** | Massachusetts Institute of Technology 



National Innovation and Digital Strategy: Our Guiding Principles

- Mobile-First
- Country-as-AI-Lab
- Hybrid Technology Systems



STRIATA in Sierra Leone

May, 2021

Macro-Eyes worked with Ministry leaders at the Directorate of Science, Technology and Innovation (DSTI) and the Ministry of Health and Sanitation (MOHS) to develop Striata, a product running core Macro-Eyes artificial intelligence (AI), to continuously assess the national health system and generate health facility readiness scores for COVID-19 response.

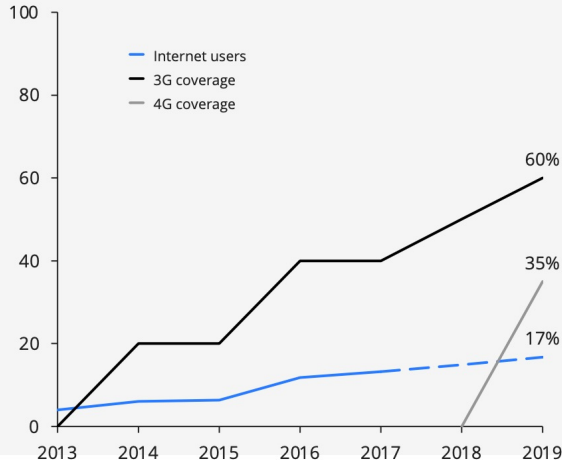
DOWNLOAD





Mobile connectivity has expanded from 2013, however internet use remains low at 17%

Broadband coverage and internet penetration, % of population (ITU, 2020)

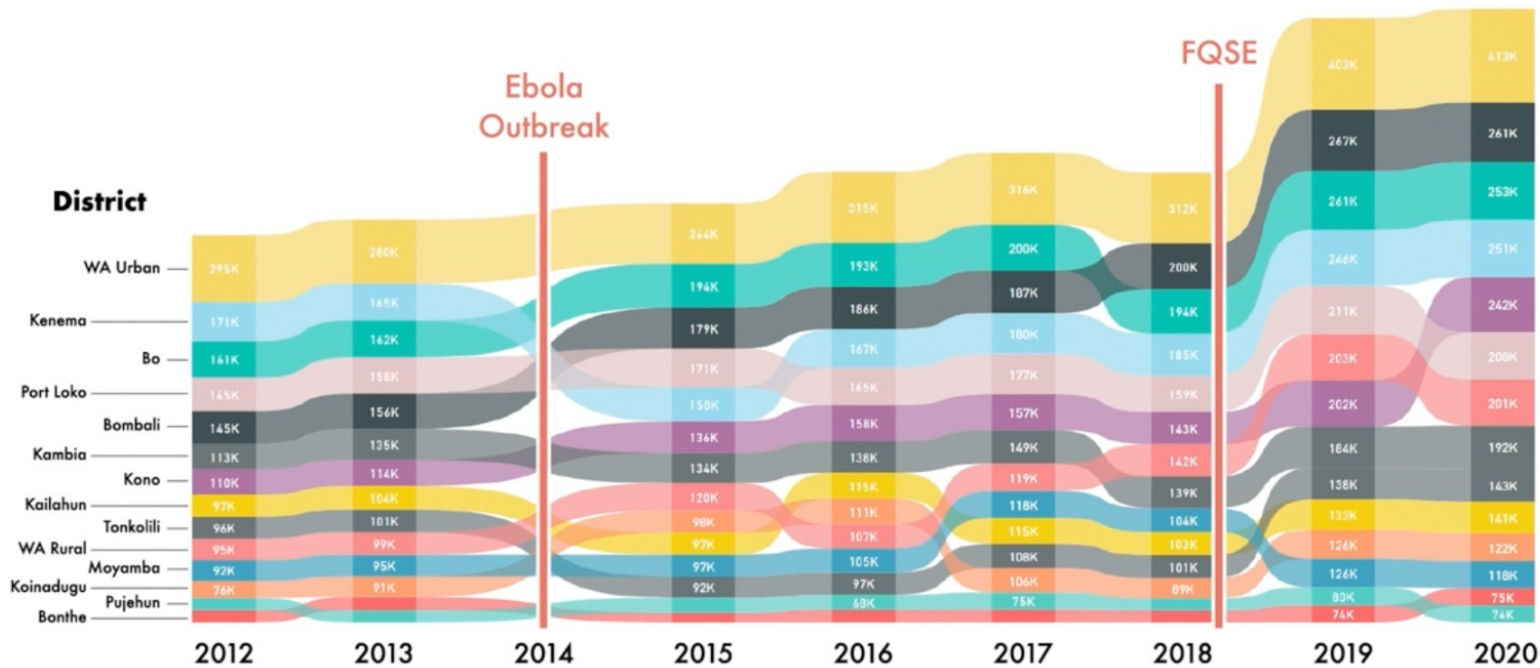


Mobile coverage ~ 87% (current est.)

2018 Free Quality School Education



Enrolment by Year and District





AUGUST 2021

Sierra Leone Annual School Census Combined 2015-2020 Database

fabinc.co.uk

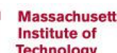
MINISTRY OF BASIC AND SENIOR SECONDARY EDUCATION SIERRA LEONE

EdTech Hub

UKaid
from the British people

THE WORLD BANK
IBRD - IDA

This is a data for decision making platform, that allows policy makers to explore and understand their data in a simple visual way.



Education Re-Imagined: Data is Power



PROJECT CONNECT

Q SIERRA LEONE X

← CHANGE COUNTRY

CONNECTIVITY MAP COVERAGE MAP ⓘ

← THIS WEEK →

DATA SOURCE
Government
GSMA
Ericsson
ITU
Facebook

TOTAL SCHOOLS
10,837

CONNECTED SCHOOLS
158

AVG. INTERNET SPEED (DOWNLOAD)
3.9 Mb/s

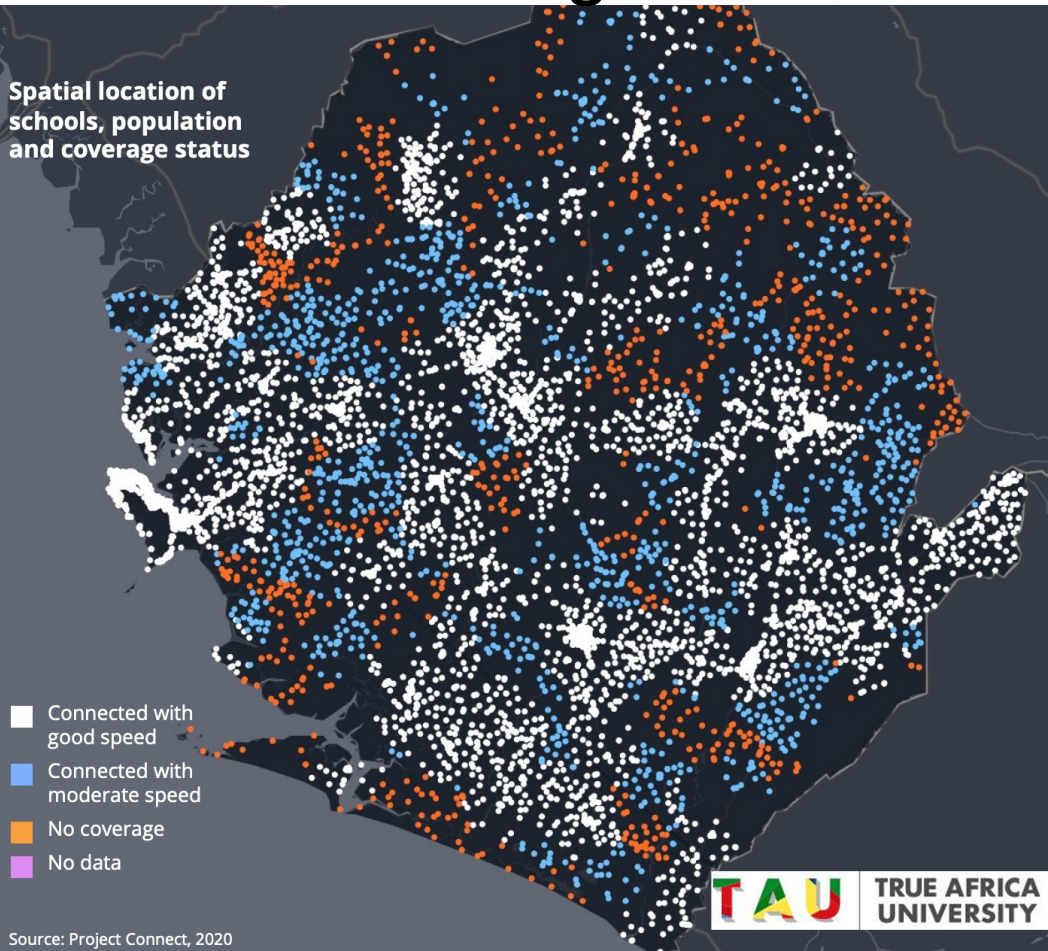
The average internet speed is good enough for video streaming.

SCHOOLS WITH NO INTERNET
98.49%

DAILY SPEED GRAPH (DOWNLOAD)

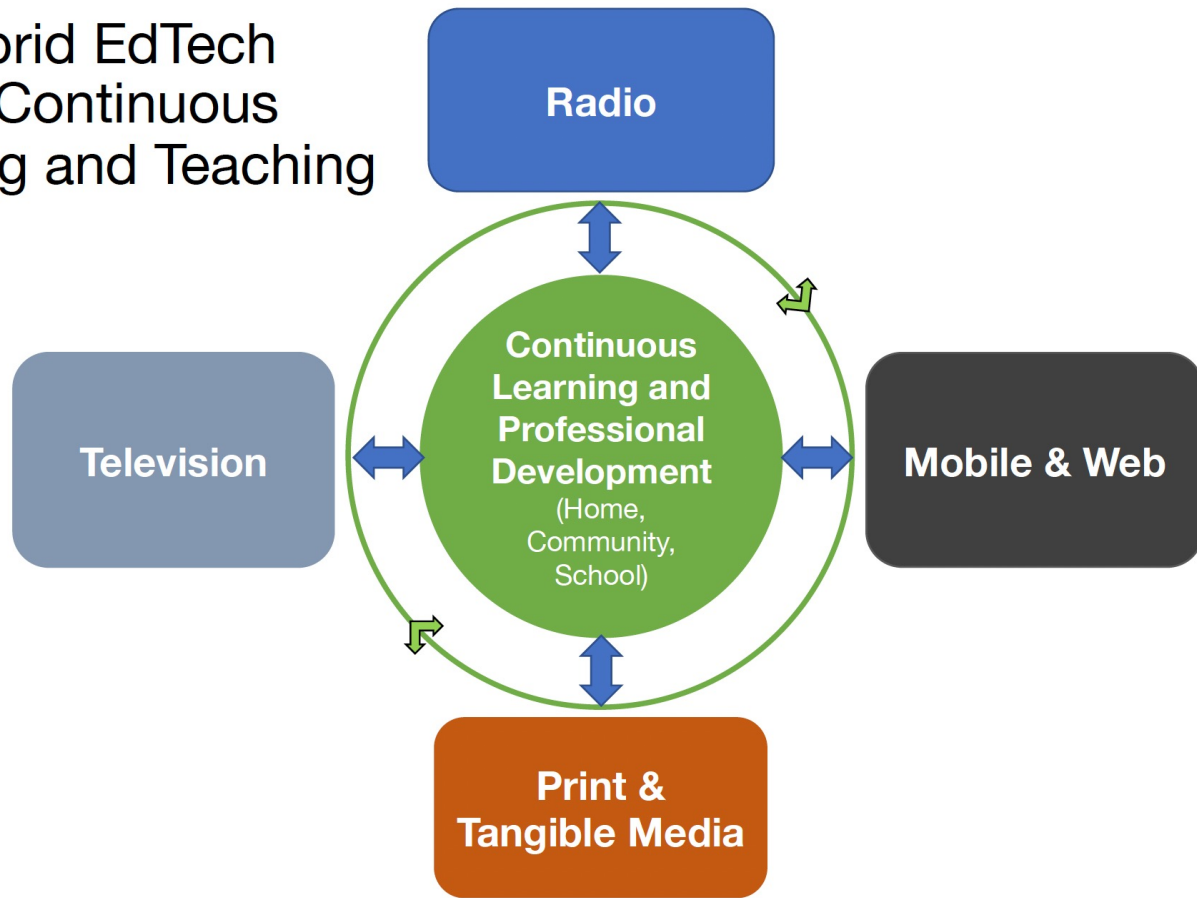
mapbox

giga unicef ITU



EdTech: Our Approach

Hybrid EdTech
for Continuous
Learning and Teaching



Government of
Sierra Leone



EdTech Re-Imagined: Our Solutions



Ministry of Basic and Senior Secondary Education & Teaching Service Commission

Hybrid Ed-Tech Solutions Towards Quality Learning and Teaching

E.g. Continuous Professional Development, Curricular and Remediation Content, Monitoring & Evaluation

RADIO

- Remedial & student learning programs
- Teacher training and professional development programs

TELEVISION

- MBSSE Education TV – teaching & learning programs
- Education programs on community and other TV stations

MOBILE & WEB

- USSD/SMS-based dictionary apps
- Policy decision support platforms
- School & classroom management apps

PRINT/TANGIBLES

- Home support and learning packets
- Education and civic activities
- Hands-on and maker movement initiatives



Global Partnership for Education
Executive Committee - Board



Hon Dr David Moinina Sengeh is
appointed Chair of the GEM Report
Advisory Board

Co-Chair: Education 2030 High-Level Steering Committee

Improving Quality Education?



20,000+ teachers trained

12,000+ recruited and replaced teachers

EGRA/EGMA Zero Scores halved

Increased domestic budget to 22%

15-30% improvement in Pass rates

No apparent learning loss during COVID-19 break

400% increase in school feeding

100+ new/upgraded schools; 400+ classrooms;
30,000+ furniture

Updated Curriculum at all levels

New Policies, Programs and Plans

Our Guiding Principles

Radical Inclusion; Comprehensive Safety; Universal Access; Quality Teaching and Learning

Come join us!



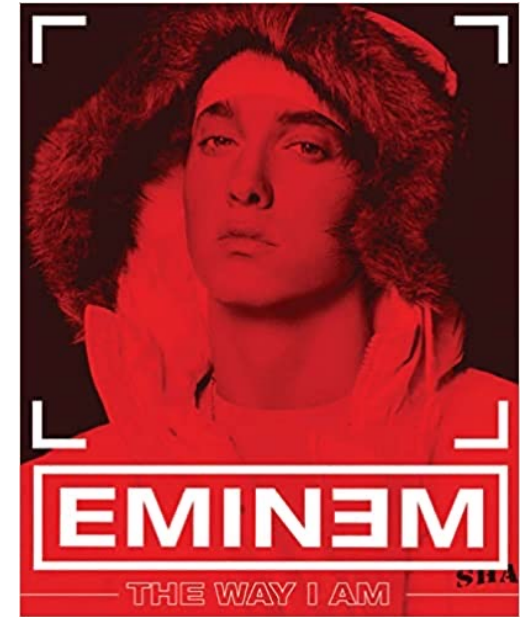
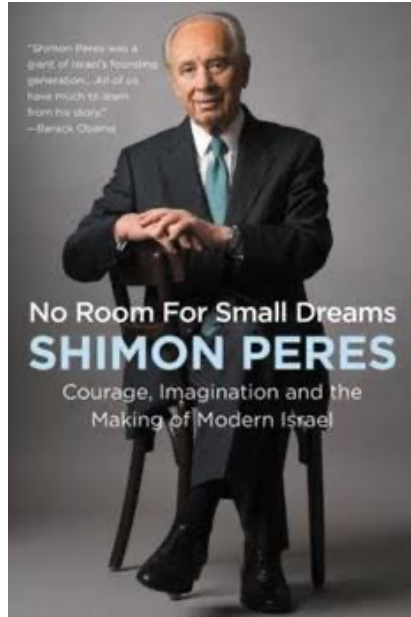
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Massachusetts
Institute of
Technology



Three Books I Recommend





Thank you!

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