150 **1865 2015**

COMMUNICATIONS
AUTHORITY OF KENYA

C&I Nairobi
21 October 2015

ITU Regional Activities

Marcelino TAYOB
Senior Adviser in the ITU/REGIONAL OFFICE
FOR AFRICA

International
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International Telecommunications Union (ITU)

- ITU was founded in Paris in 1865 as International Telegraph Union → celebrating 150 years anniversary

150 **1865 2015**

- Present name in 1934. UN Agency 1947

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ITU's Membership

193 **Member States** and Regulatory Bodies

750 **Companies**, Business Associations, NGOs

65 **Universities** & Research Establishments

150 ITU 1865 2015

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ITU's Global Presence

MOSCOW
GENEVA
BRIDGETOWN
TEGUCIGALPA
DAKAR
CAIRO
BANGKOK
YAOUNDE
ADDIS ABABA
JAKARTA
SANTIAGO
BRASILIA
HARARE

5 regional offices, 8 area offices
HQ in Geneva, Switzerland

International Telecommunication Union
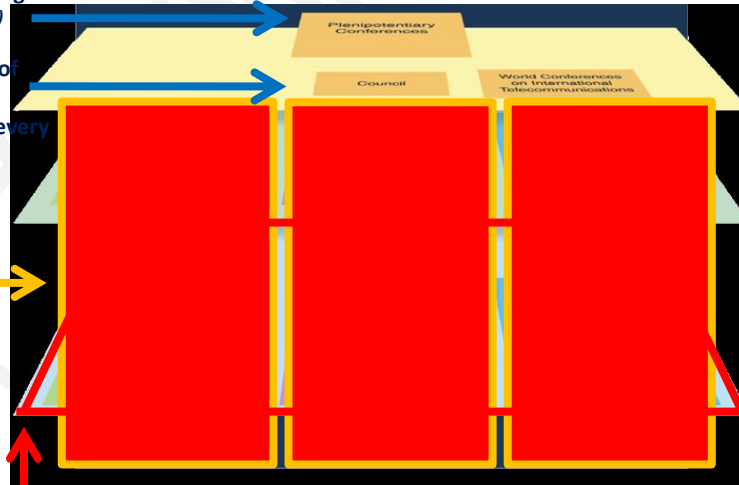Committed to connecting the world

ITU's decision making process…

The PP is the main body of decision making
(meets every 4 years)

Council is made of 25% of Member States (elected every 4 years)

Plenipotentiary Conferences

Council

World Conferences on International Telecommunications

Each Sector is overseen by Advisory groups and world conferences

(This is us, the ITU Secretariat)

ITU has three core areas of activity

- Managing Spectrum and orbits
- Developing telecommunication Standards
- Promoting ICT Development

plus a set of inter-sectoral activities
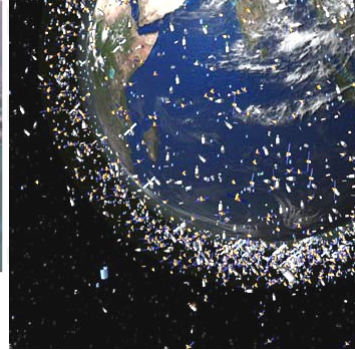*facilitated by the ITU General Secretariat*

ITU has three core areas of activity

- **Managing Spectrum and orbits**
- Developing telecommunication Standards
- Promoting ICT Development

plus a set of inter-sectoral activities
facilitated by the ITU General Secretariat

Radio-frequency spectrum and satellite orbits are limited natural resources

Un-coordinated use can lead to malfunctioning of telecommunication services

Interferences

Satellite collisions

ITU has three core areas of activity

- Managing Spectrum and orbits
- **Developing telecommunication Standards**
- Promoting ICT Development

plus a set of inter-sectoral activities
facilitated by the ITU General Secretariat

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ITU-T promotes global standards for innovation:

- ITU standards work conducted in *Study Groups*
- Long and distinguished history of work by engineers on fixed telephony, mobile communications & Internet.
- Producing *recommendations or standards* on globally used technologies e.g. G992.1 on ADSL, G993.1 on VDSL., universal phone charger
- *Private sector & government* work together in partnership
- ITU coordination with *other standards bodies*
- ITU presence at the inception of technologies:
   Addressing *new ICT infrastructure paradigms* e.g. NGNs, smart grids.

ITU has three core areas of activity

- Managing Spectrum and orbits
- Developing telecommunication Standards
- **Promoting ICT Development**

   plus a set of inter-sectoral activities
   facilitated by the ITU General Secretariat

ITU-D works to bridge the digital divide and connect the unconnected

- Measuring the advance of the Information Society (ICT Development Index)
- Assisting developing countries in putting into practice competitive ICT markets
- Building capacity in developing and least developed countries
- Executing agency of UN for ICT projects, working with governments and industry partners
- Mobilizing resources and partners for project implementation

ITU's MANDATE

- Plenipotentiary
- World Radiocommunication Conference (WRC)
- World Telecommunications Standardization Assembly (WTSA)
- World Telecommunications Development Conference (WTDC)

September 2011

14

ITU-T Study Groups

Current Study Groups are:

SG2 - Operational aspects

SG3 - Economic and policy issues

SG5 - Environment and climate change

SG9 - Broadband cable and TV

SG11 - Protocols and test specifications

SG12 - Performance, QoS and QoE

SG13 - Future networks

SG15 - Transport, Access and Home

SG16 - Multimedia

SG17 - Security

SG20 - IoT and applications, smart cities

ITU-D Study Group

Study group period: 2014-2018

1st Meeting 8-19 September ,2014

Study Group Question 1	
Q1/1	Migration to Broadband
Q2/1	Broadband Access Technologies
Q3/1	Cloud Computing
Q4/1	Economic Policies
Q5/1	Rural/ Remote Access
Q6/1	Consumer Protection
Q7/1	Disabilities / Special Needs
Q8/1	Analogue to Digital

ITU-D Study Group
Study group period: 2014-2018

Study Group Question 2	
Q1/2	Smart Society
Q2/2	E-Health
Q3/2	Cyber Security
Q4/2	Conformance and Interoperability
Q5/2	Emergency Telecommunications
Q6/2	Climate Change
Q7/2	EMF
Q8/2	E-waste

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Summarizing …

In **ITU-R** we coordinate global wireless communication
(which uses limited resources)

In **ITU-D** we provide assistance to the un-connected

In **ITU-T** we produce interoperable technical ICT standards

In the **GS** we provide intersectoral coordination for the whole organization and represent ITU externally

ITU ACTIVITIES IN AFRICA
(FEW EXAMPLES)

➢ REGIONAL OFFICE SERVES ALL ITU SECTORS AND GENERAL SECRETARIAT

➢ DEVELOPMENT ACTIVITIES bulk of the work → Managed by BDT

➢ ITU WORKS IN CLOSE COOPERATION WITH OTHER UN AGENCIES AND REGIONAL AND SUB REGIONAL ORGANIZATIONS

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ITU's Global Presence

5 regional offices, 8 area offices
HQ in Geneva, Switzerland

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RA – 15, WRC -15 AND WTSA-16

➤ ITU worked with and supported African Telecommunications Union (ATU)

  ❖ in the preparations and coordination of African positions to the WRC-15
  ❖ Coordination of Digital Terrestrial Broadcasting Migration
  ❖ Coordination of Digital Dividend in Africa
  ❖ in the African preparations to WTSA -16 organised in Dakar 7 and 8 September 2015

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COOPERATION WITH SUB-REGIONAL ORGANIZATION

➤ ITU is working with EACO in this C&I Study and Workshop.
  ➤ (Similar activity done last year with SADC. Next year will support ECCA).

➤ Cooperating with East African Countries and EACO formulating regional projects in the ICT to funded by cooperating partners e.g. China.
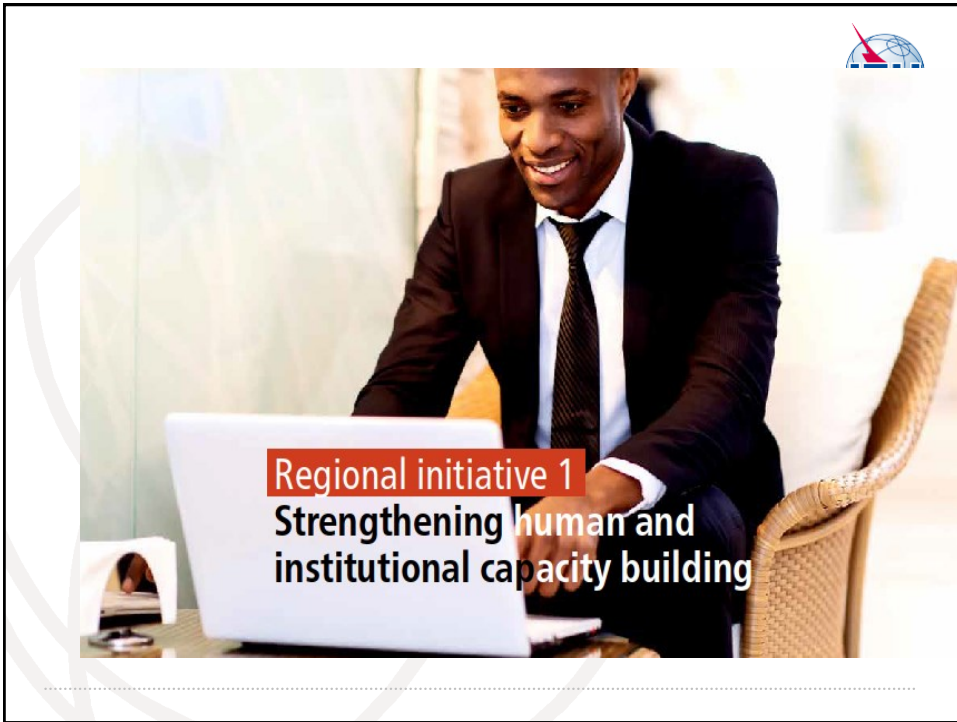
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Regional Initiatives: Dubai Action Plan 2015-2017

Africa

Regional initiative 1
Strengthening human and
institutional capacity building

CoEs Network

CoE
CoE
CoE
CoE
CoE
CoE
CoE
CoE
CoE
CoE
CoE
CoE

Percentage of classroom training (Face to face) and online training in centers of excellence for the period 2010 to 2014.
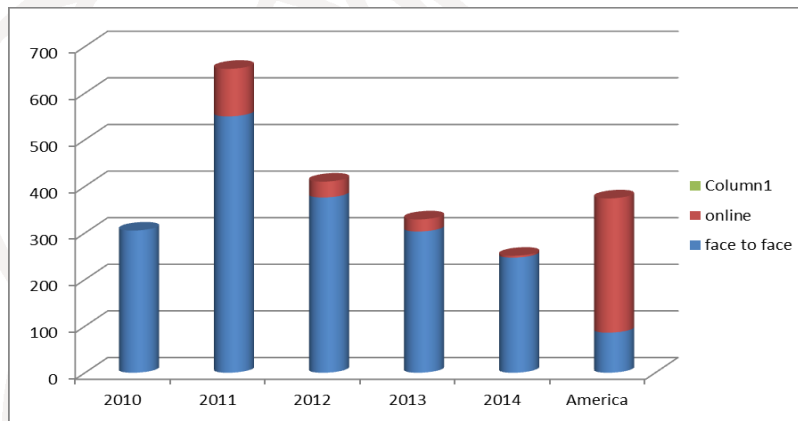
Centers of Excellence
Selected for AFRICA Region for 2015-2016 according to WTDC-14 –Resolution 73

#	Priority Areas Recommended	Recommended Institutions	Country
1	Policy and Regulation	Digital Bridge Institute(DBI)	Nigeria
2	Broadband Access & Digital Broadcasting	Ecole Supérieure Multinationale des Télécommunications (E.S.M.T)	Senegal
3	Cyber security	ESATIC	Ivory Coast
4	Cyber security	University of Rwanda, College of Science and Technology	Rwanda
5	ICT Applications and Services	Centre for Learning, Telkom SA	South Africa
6	Broadband Access & Spectrum Management	AFRALTI	Kenya

Regional initiative 2
Strengthening and harmonizing policy and regulatory frameworks for the integration of African telecommunication/ICT markets

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Geographical modular implementation of priorities

- Reflect sub-regional heterogeneity in terms of ICT market development and status of harmonization initiatives in four AU geographical regions

Global	• Comparison of regional harmonization initiatives (see next slide) • Monitoring and evaluation / Regulatory benchmarking • Cross-border frequency coordination: harmonized calculation method (HCM) • Input to African Union's Open Access guidelines			
	West Africa	*Central Africa*	*East Africa*	*Southern Africa*
Regional	• WATRA guidelines on submarine cables	• ECCAS Model Legislation (interco., licensing, USO, etc.) • ECCAS and CEMAC Cybersecurity Acts	• CERT capacity building for EAC • Cost Modeling for COMESA	• SADC Policy and Legal Framework Review • CRASA Universal Service Guideline
	West Africa	*Central Africa*	*East Africa*	*Southern Africa*
National	• Technical assistance for national implementation of regional model legislation:			
	• Transposition of ECOWAS & UEOMA Community Acts	• Transposition of ECCAS Model Laws & CEMAC Directives	• Implementation of COMESA Model Law in Member States	• Implementation of updated SADC framework

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AFR2 – IMPLEMENTATION SINCE JANUARY 2015

- NATIONAL BROABAND PLAN – Guidelines and Model for SADC Region develop and validated.

- Two countries being assisted in the development of their respective Broadband Policy (Namibia and Swaziland)

- Assistance to South Sudan New Regulatory Authority.

Mozambique, 7 July 2015   31

Helping the world communicate

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Africa Regional Initiative 3:
Development of broadband access and adoption of broadband

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AFRICA REGIONAL INITIATIVES
(HAP PROGRAMS FOCUS IN THE IMPLEMENTATION OF THE RI)

Development of a broadband infrastructure and achievement of regional interconnectivity and universal access

➢ Projects to assist countries e.g.
  ➢ ITU/McCaw Foundation wireless broadband. With AfDB, ITU assisted East Africa Community Secretariat to do a gap analysis for bankable project investment
  ➢ With the Korean Government, ITU currently implementing Master Plan for wireless broadband access
  ➢ with the World Bank, the CAB project in CAR, Chad and Cameroon and the interconnection between Chad and Cameroon

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ITU AND UPU INITIATIVE

➢ MAKING USE OF RURAL POSTOFFICES TO:
  ➢ SERVE THE COMMUNITY WITH ICT SERVICES
  ➢ BOOST THE POST OFFICE SUSTANIBILITY

➢ SMALL RURAL ENTERPRENEOUR TO PARTNER WITH POST OFFICE TO USE THE INFRASTRUTURE

➢ TEST A BUSINESS MODEL ON WHICH MOBILE MONEY TRANSACTION INCLUDING REMITANCE COULD PAY FOR CONNECTIVITY

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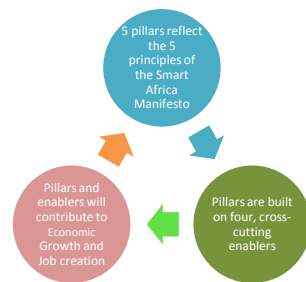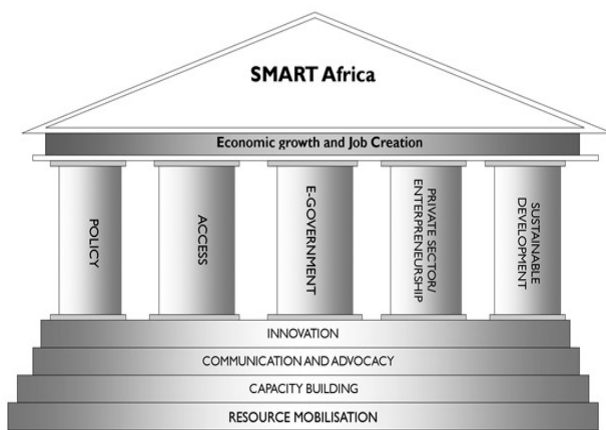# TRANSFORM AFRICA SUMMIT

SMART AFRICA MANIFESTO
SMART AFRICA ALLIANCE
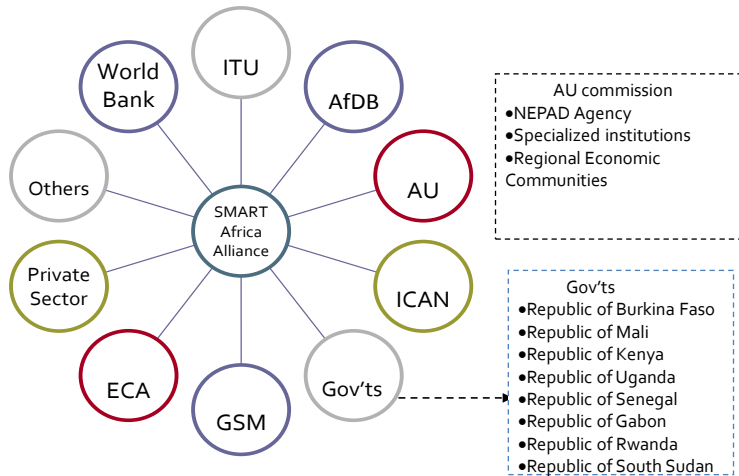## TRANSFORM AFRICA SCHOLARSHIP FUND
→ Putting human face to the ICTs

SMART Africa Pillars & Enablers

SMART Africa Alliance
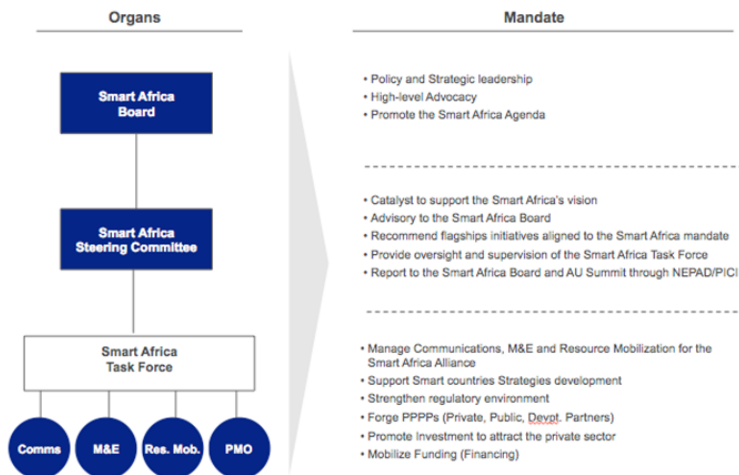
implementation, monitoring and evaluation *framework*

Circles: World Bank, ITU, AfDB, Others, AU, SMART Africa Alliance (center), Private Sector, ICAN, ECA, GSM, Gov'ts

AU commission
- NEPAD Agency
- Specialized institutions
- Regional Economic Communities

Gov'ts
- Republic of Burkina Faso
- Republic of Mali
- Republic of Kenya
- Republic of Uganda
- Republic of Senegal
- Republic of Gabon
- Republic of Rwanda
- Republic of South Sudan

SMART Africa Alliance Mandate

Organs | **Mandate**

Smart Africa Board

- Policy and Strategic leadership
- High-level Advocacy
- Promote the Smart Africa Agenda

Smart Africa Steering Committee

- Catalyst to support the Smart Africa's vision
- Advisory to the Smart Africa Board
- Recommend flagships initiatives aligned to the Smart Africa mandate
- Provide oversight and supervision of the Smart Africa Task Force
- Report to the Smart Africa Board and AU Summit through NEPAD/PICI

Smart Africa Task Force

Comms | M&E | Res. Mob. | PMO

- Manage Communications, M&E and Resource Mobilization for the Smart Africa Alliance
- Support Smart countries Strategies development
- Strengthen regulatory environment
- Forge PPPPs (Private, Public, Devpt. Partners)
- Promote Investment to attract the private sector
- Mobilize Funding (Financing)

AFR RI 5: Building confidence and security in the use of telecoms/ICT

Regional development Forum- Dakar

ITU mandate on cybersecurity

2003 – 2005
WSIS entrusted ITU as sole facilitator for WSIS Action Line C5 - "**Building Confidence and Security in the use of ICTs**"

world summit
on the **information society**
Geneva 2003 - Tunis 2005

2007
Global Cybersecurity Agenda (GCA) was launched by ITU Secretary General
GCA is a **framework for international cooperation in cybersecurity**

2008 to date
ITU Membership endorsed the GCA as the ITU-wide strategy on international cooperation.

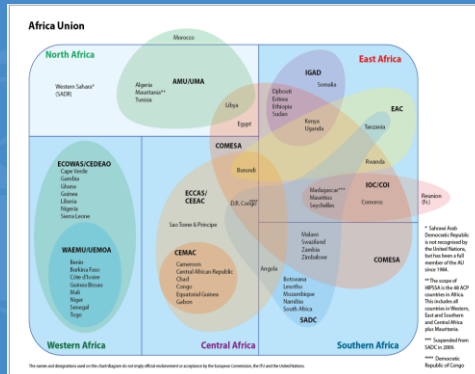G C A GLOBAL CYBERSECURITY AGENDA
IMPACT Child Online Protection

Building confidence and security in the use of ICTs is widely present in **PP and Conferences**' resolutions. In particular WTSA 12, PP 10 and WTDC 10 produced Resolutions (WTSA 12 Res 50, 52, 58, PP Res 130, 174, 179, 181 and WTDC 45 and 69) which touch on the most relevant ICT security related issues, from legal to policy, to technical and organization measures.

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HIPSSA PROJECT

- Harmonization of the ICT Policies in Sub-Saharan Africa
- Sub-regional programs:
  1) East Africa
  2) Central Africa
  3) Southern Africa
  4) West Africa
- **Regional Outcomes on Cybersecurity**
  - ECOWAS cybersecurity guidelines
  - ECCAS Model Law / CEMAC Directives on Cybersecurity
  - SADC model law on data protection/ e-transactions/cybercrime
- In-Country Technical Assistance

National CIRT Programme in Africa

NATIONAL CIRT | CAPACITY BUILDING

| ASSESSMENT | IMPLEMENTATION | CYBERDRILL |
| Educate / Plan | Establish/ Operate | Collaborate |

- Assessments conducted for **24** African countries
- Implementation completed for **7** African countries
- Implementation in progress for Burundi
- First Cyber drill conducted in Zambia end of September with participation of over **16** countries and AFRICACERT Team
- Second Cyber drill conducted in Kigali on the beginning of May with participation of more than 150 participants from 18 countries

COP Programme

The **Child Online Protection (COP) Initiative** aims at bringing together partners from all sectors of the global community to ensure a safe and secure online experience for children everywhere.

Objectives

- **Identify risks and vulnerabilities to children in cyberspace;**
- **Create awareness of the risks and issues through multiple channels;**
- **Develop practical tools to help governments, organizations and educators minimize risk;**
- **Share knowledge and experience while facilitating international strategic partnership to define and implement concrete initiatives**

www.itu/cop

CONCLUDING
Regional Development Forum (RDF)

THANK YOU

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