Africa Regional Internet Development Dialogue

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Achievements and opportunities for the use of the Internet in education in West Africa

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I. Présentation de la CEDEAO

Création/Composition

Création: 1975

15 Etats membres

Caractéristiques socio-économiques

Population: 325,3 millions d'habitants en 2013

5 millions de Km² soit 17% de la superficie du Continent

VISION

« Passer de la CEDEAO des Etats à la CEDEAO des peuples » pour « Une région sans frontières, paisible, prospère et cohérente, bâtie sur la bonne gouvernance et où les populations ont la capacité d'accéder et d'exploiter ses énormes ressources par la création d'opportunités de développement durable et de préservation de l'environnement».

Département EDUCATION, SCIENCE ET CULTURE

DIVISION EDUCATION

<u>Mission:</u> Cohérence et harmonisation des politiques nationales de l'éducation pour faciliter la mobilité et le renforcement du capital humain en Afrique de l'Ouest.

<u>Priorités:</u>

❖ Enseignement Supérieur et Promotion des enseignants

❖ Enseignement Technique, Professionnel et Entreprenariat

❖ Education de base et Alphabétisation

❖ Programme transversaux

3.4 - Programme Specifique

- PROG. EDU 1: Soutien a l'Enseignement Supérieur (ENAAMs et Centtre d'Excellence. Régionaux)
- PROG. EDU 2: Promotion de l'Enseignement Technique et de la Formation Professionnelle ainsi que de l'Esprit entrepreneurial
- PROG. EDU 3: Système d'Information pour la Gestion de l'Education (SIGE)
- PROG. EDU 4: Elaboration de curricula spécifiques (Education à la culture de la paix)
- PROG. EDU 5: Système d'harmonisation des systèmes éducatifs et de reconnaissance mutuelle des diplômes dans l'espace CEDEAO
- PROG. EDU 6: Promotion/perfectionnement des enseignants
- PROG. EDU 7 :Education de la jeune fille et d'autres groupes vulnérables
- PROG. EDU 8: Santé scolaire (VIH/SIDA, Ebola,Paludisme, Tuberculose, etc.) et Nutrition
- **PROG. EDU9 : Inititiave E-learning de la CEDEAO**

II – Achievements = ECOWAS E-Learning Policy Initiative

1 - Exploring the ICTs facilities to apply in Education Initiatives

Fig. 1 Topology of Educational Delivery Technologies Platforms and Systems
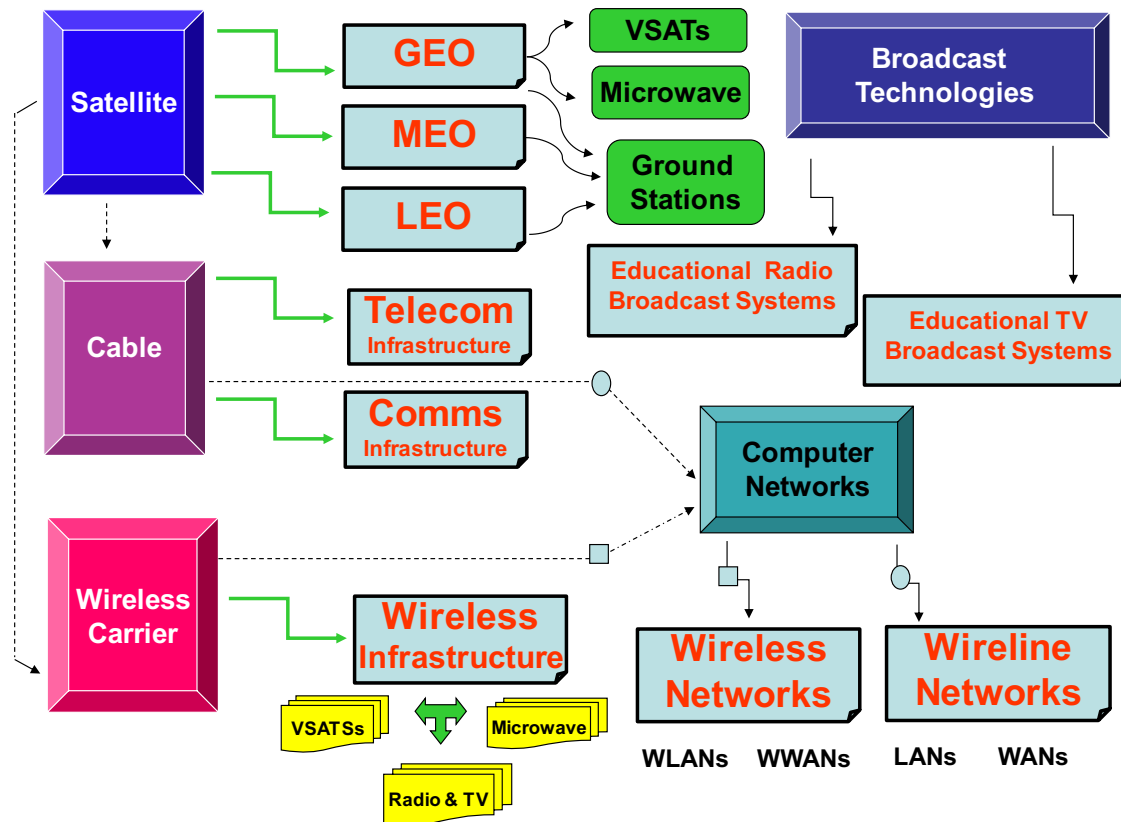
II - ECOWAS E-Learning Policy Initiative

2 - Exploring the ICTs-in-Education Initiatives in ECOWAS

The Case of Ghana

Ghana like a number of the ECOWAS member States has since the late 1990's embarked on a number of ICT-for-Education initiatives and projects. The key ones are:

- **The Science Resource Centres Project: at** pre-tertiary institutions

- **World links for Development Programme:** at secondary schools.

- **The INTEL ICT-in-Education Initiatives: It** comprise of the **Skoool.gh Project** and the **Computerization of Universities Project**.

- **The Microsoft Partners In Learning (PIL) Programme:**

- **The NEPAD e-Schools Initiative.** from primary and secondary schools

- **GLOBE**: A Cisco Education initiative.

- **The Cisco Academy Initiative**

- **Global Technology Academy (GTA) Initiative:** providing infrastructure and technical support

- **The Computers For Schools Initiative** by International Trust Management Consult (ITMC) of South Korea

- **Community Information Centers (CIC) Project** of the Ghana Government is **The IT - Enhancement For Ghanaian Schools Project**

- **The ICT Enhanced ODL Strategy for Teacher Education Project**.

- **The Presidential Special Initiative On Distance Learning (PSI-DL) Initiative.**
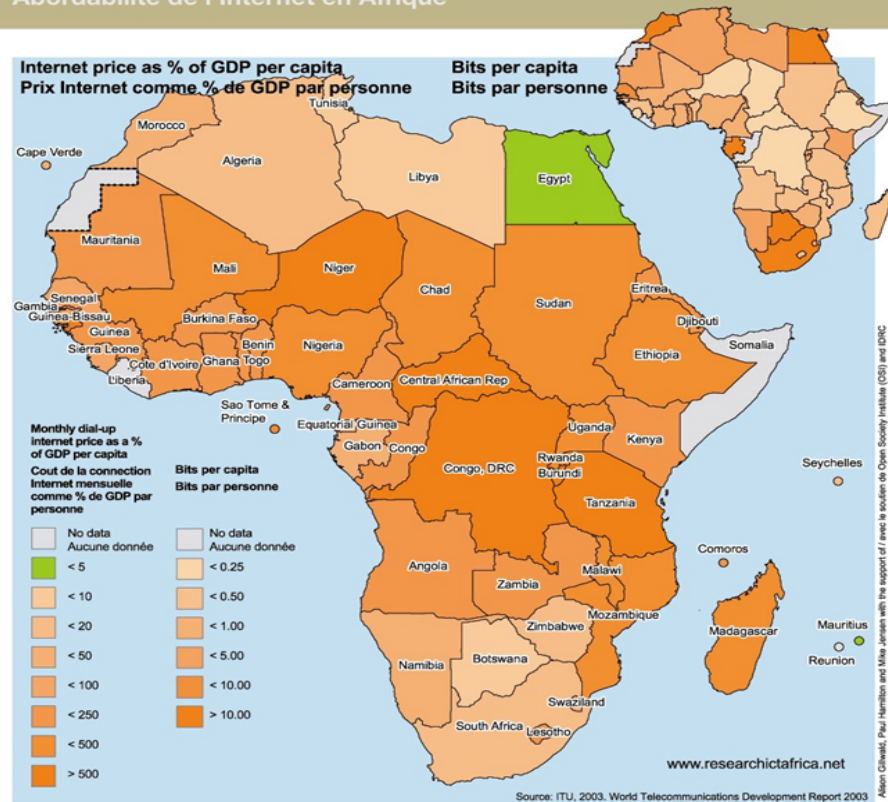
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• **3 - Key ICT Indicators in ECOWAS Countries**

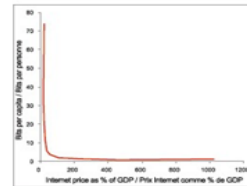| Indicators	Minimum	Maximum	Average (ECOWAS)	Average (Africa)
Main telephone lines per 100 inhabitants	0.27 (Guinea Bissau)	4.47 (Gambia)	2.47	1.5
Cellular subscribers per 100 inhabitants	6.33 (Niger)	46.58 (Gambia)	24.18	37.5
Internet Subscribers (000)	2.1 (Gambia)	39.1 (Senegal)	12.04	-
Internet users per 100 inhabitants	0.81 (Mali)	6.75 (Nigeria)	5.58	8.8

The ACE Submarine Cable Configuration

5. Dakar, Senegal
6. Banjul, The Gambia
7. Conakry, Guinea
8. Freetown, Sierra Leone
9. Monrovia, Liberia
10. Abidjan, Côte d'Ivoire
11. Accra, Ghana
12. Cotonou, Benin
13. Lagos, Nigeria

Affordability of Internet in Africa
Abordabilité de l'Internet en Afrique
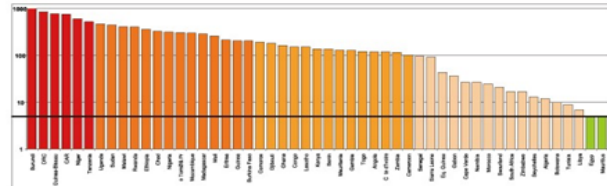
4 - Comparison of Bandwidth Per HEI Population Against National Average Bits Per Capita
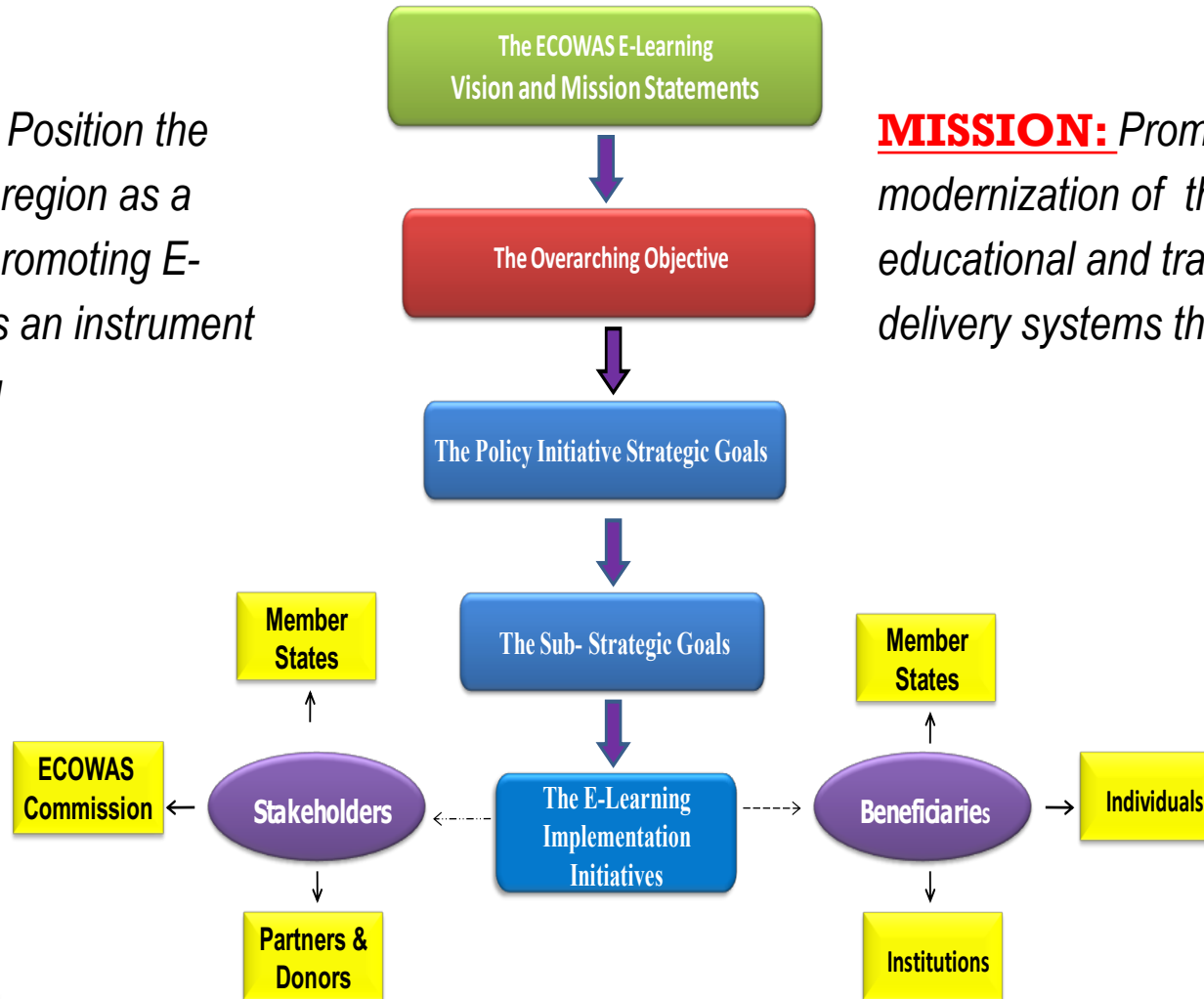
	HEI Total Bandwidth (Mbps)	Average bandwidth per HEI population	Bandwidth required per HEI population	Total Bandwidth (Mbps)	Population ('000)	Average bandwidth per inhabitant	HEIs as % of total national bandwidth
Burkina Faso	6.224	0.16 Kbps	0.48 Kbps	215.000	14,761.3	0.01 Kbps	2.9%
Côte d'Ivoire	8.400	0.08 Kbps	0.43 Kbps	625.000	18,373.1	0.03 Kbps	1.3%
Ghana	21.776	0.31 Kbps	1.11 Kbps	330.000	23,336.7	0.01 Kbps	6.6%
Liberia	0.746	0.04 Kbps	-	15.000	3,332.5	0.00 Kbps	5.0%
Mali	2.000	0.03 Kbps	0.29 Kbps	40.000	12,360.3	0.00 Kbps	5.0%
Nigeria	21.328	0.12 Kbps	0.43 Kbps	3,180.900	138,283.2	0.02 Kbps	0.7%
Senegal	8.352	0.10 Kbps	0.71 Kbps	1,240.000	12,548.2	0.10 Kbps	0.7%
Total	73.690	0.10 Kbps	0.46 Kbps	5,872.500	244,415.2	0.02 Kbps	1.3%

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4 - ECOWAS E-Learning Policy Development and Implementation Framework PID

VISION *Position the ECOWAS region as a leader in promoting E-learning as an instrument for training*

MISSION: *Promote the modernization of the educational and training delivery systems through ITC*

The ECOWAS E-Learning
Vision and Mission Statements

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The Overarching Objective

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The Policy Initiative Strategic Goals

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The Sub- Strategic Goals

Member States

Member States

ECOWAS Commission ← **Stakeholders** ⇠ The E-Learning Implementation Initiatives ⇢ **Beneficiaries** → Individuals

Partners & Donors

Institutions

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ECOWAS E-Learning Policy Implementation Framework (PIF)
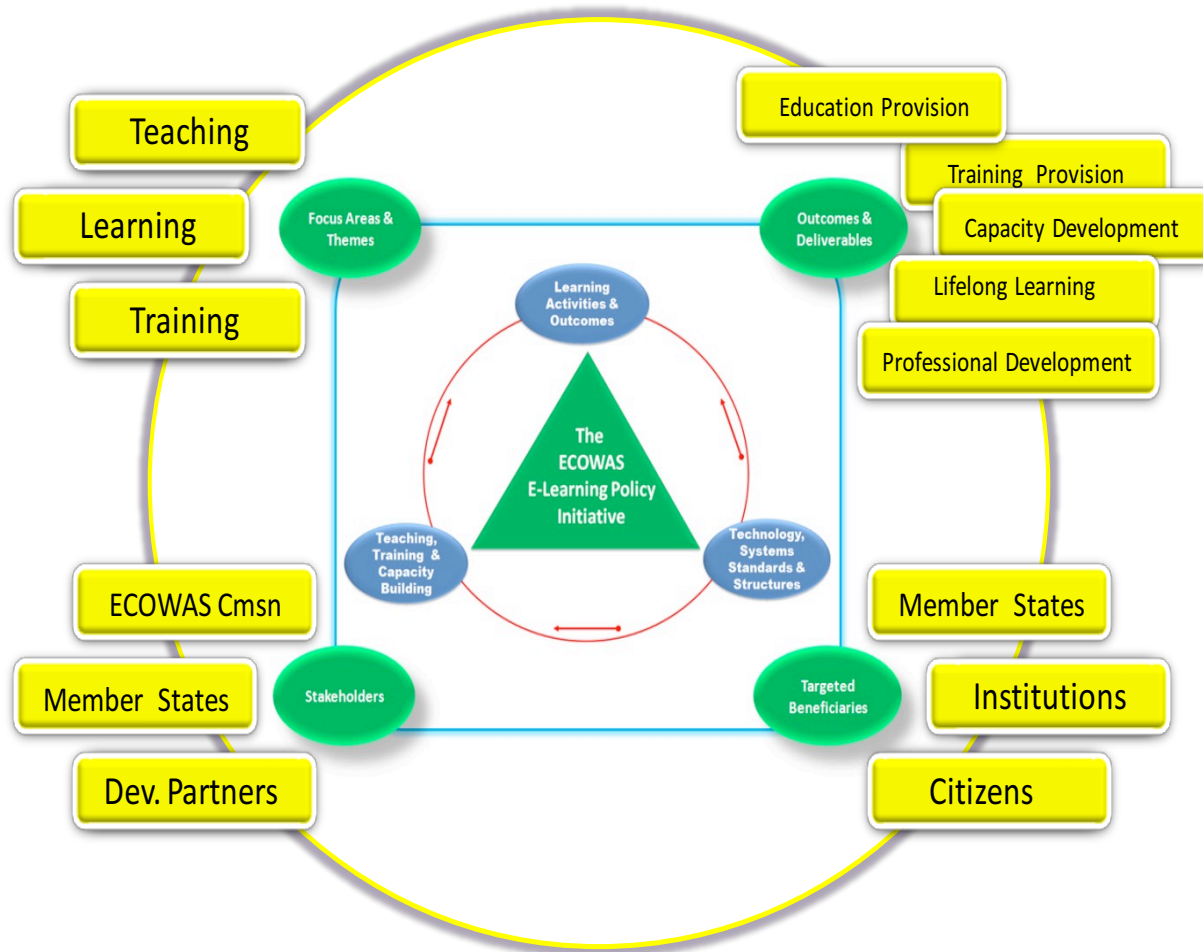
ECOWAS E-Learning Initiative Implementation Institutional Framework

INSTITUTIONAL OVERSIGHT FRAMEWORK FOR SUPPORTING THE IMPLEMENTATION OF THE ECOWAS COMMISSION'S E-LEARNING INITIATIVE

ECOWAS COMMISSION

ECOWAS Management
Technical Directors [Education, Science & Technology, ICT and Private Sector]

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ECOWAS E-LEARNING REGIONAL STEERING COMMITTEE

ECOWAS Management
Relevant Technical Directors
Policy Makers from Member States in Education and ICT

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ECOWAS E-LEARNING REGIONAL TECHNICAL COMMITTEE

Experts from ECOWAS Commission and Member States in Education Science & Technology, ICT, Private Sector and Finance

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NATIONAL FOCAL POINTS
[Coordinators at National Level]

NATIONAL E-LEARNING IMPLEMENTATION COMMITTEE

Experts from the Ministries of Education, Science & Technology, ICT, Private Sector and Finance

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IV - Opportunities in Progres:

- Partner with **WACREN** to strengthen the NREN in Ecowas members countries with a MoU to sign soon (June 2017) with political and financial support.

- **Ecowas Education Ministers Meeting** in September 2017 for countries embarkment.

- **ECOWAS Parlementarians Network for ITC** for the harmonization of regulation on ITC created on **May 05** in Niamey and named **R**éseau Inter-Parlementaire des TIC de l'Afrique de l'Ouest (RIPTIC-CEDEAO).

MERCI!!!
THANK YOU!!!
MUITO OBRIGADO!!!