

# NEW PARTNERSHIP FOR AFRICA' S DEVELOPMENT (NEPAD)

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# WHAT IS NEPAD?

- It is a strategic framework of African Union
- NEPAD is a vision of transforming Africa's engagement among its members and the world
- Has a number of broad programs addressing critical socio-economic challenges facing the continent: e.g. poverty, development and Africa's marginalization internationally.

# NEPAD PROGRAMS

- **Infrastructure**
- **Education (NEPAD e-Schools Initiative)**
- **Human Resource Development**
- **Gender issues**
- **Information and Communication Technology**
- **Health**
- **Agriculture**
- **Science and Technology**
- **African Peer Review Mechanism**

# THE NEPAD E-AFRICA PROGRAM FOCUS AREAS

## 1. Infrastructure

- ▶ Broadband (submarine and terrestrial)
- ▶ Universal Access
- ▶ Broadcasting
- ▶ Postal
- ▶ IXPs

## 2. Capacity Building

- ▶ Digital literacy
- ▶ Technical Specialists/Experts
- ▶ Institutional (Centers of Excellence, Research)





# THE NEPAD E-AFRICA PROGRAMME FOCUS AREAS....CONT.

## **3. Enabling Environment (governance/policy)**

- ▶ Internet Governance
- ▶ Cyber-security
- ▶ Legal and regulatory frameworks
- ▶ Digital inclusion

## **4. ICT Applications & Services**

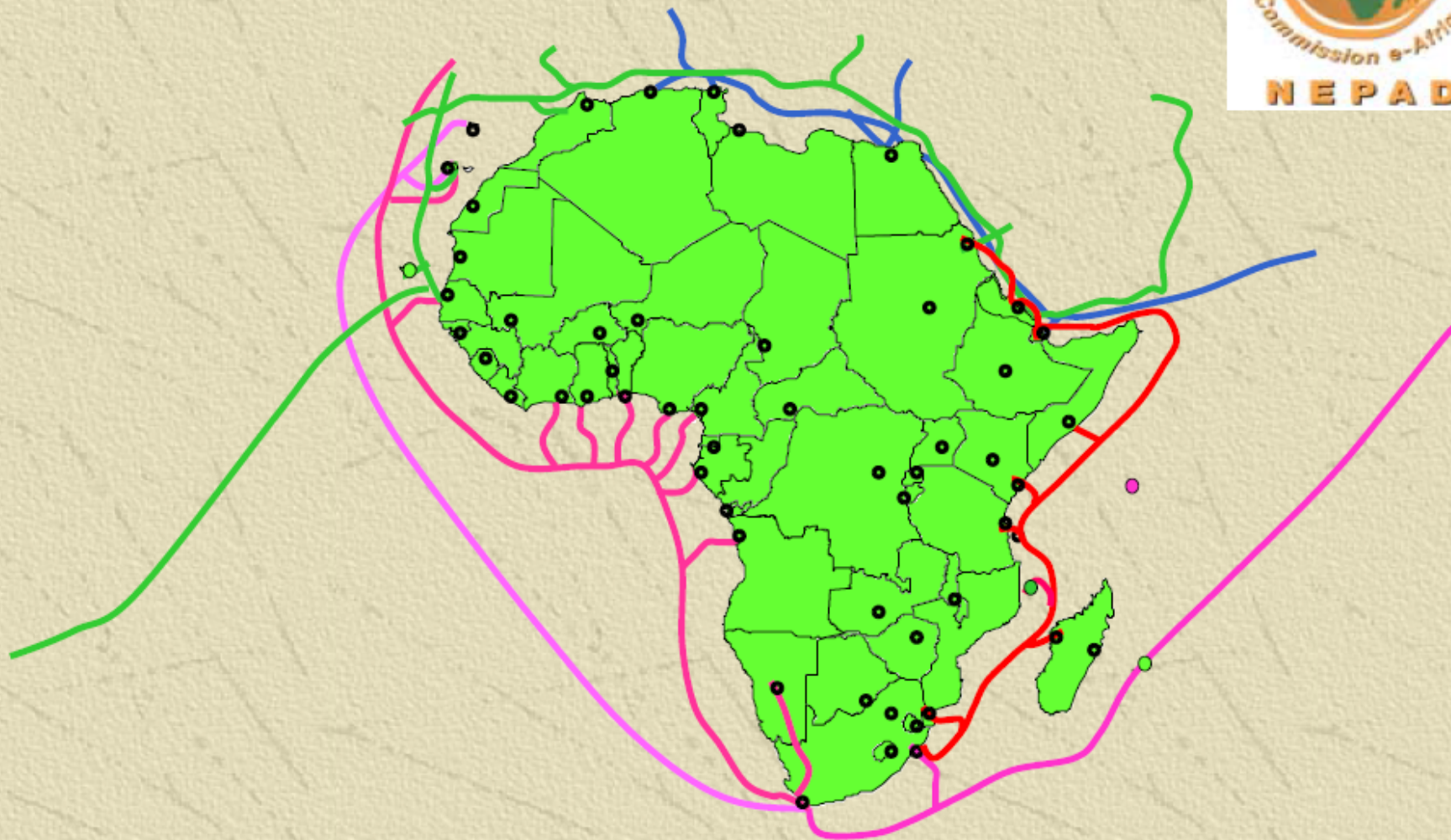
- ▶ Postal
- ▶ Roaming
- ▶ (local) content
- ▶ E-development

# NEPAD ICT PROGRAMME



- ▶ Two Key Components:
  - ▶ Broadband ICT Infrastructure
  - ▶ NEPAD e-Schools Initiative
- ▶ Broadband ICT Infrastructure:
  - ▶ EASSy Cable
  - ▶ ICT Connectivity for East and Southern Africa
  - ▶ ICT Connectivity for Central, West and Northern Africa

## 51 COUNTRIES CONNECTED



**AT THIS STAGE, ONLY THE SEYCHELLES,  
COMOROS & SAHARA WOULD REMAIN TO BE  
CONNECTED**



# The agreed basic rationalized broadband ICT network for Eastern and Southern Africa



**NEPAD**



# RATIONALISED REGIONAL NETWORKS



A notional rationalized regional network


# NEPAD E-SCHOOLS INITIATIVE

# WHAT IS NEPAD E-SCHOOLS INITIATIVE?

A NEPAD e-School is one which:

- Will produce young Africans with skills to participate in the knowledge economy;
- Is equipped with apparatus of the knowledge economy;
- Is connected to the Internet;
- Has teachers trained to teach ICT skills;
- Allows teachers to use ICT to deliver their lessons;
- Uses ICT for administration of the school; and
- Has a “health point”.

# The objectives of NEPAD e-Schools Initiative

- To impart ICT skills to young Africans in primary and secondary schools;
  - To use ICT to improve the provision of education in African schools;
  - To use ICT to improve the health of young Africans.
- 
- A decorative graphic at the bottom of the slide consisting of a black triangle on the left and a red curved shape on the right, separated by a white line.



# WHY NEPAD E-SCHOOLS?

- More than 60% of Africa's population is made up of young people below the age of 25 years
- These young people are most affected by the digital and knowledge divide
- Form the basis upon which the future economic activity of Africa will be built

# NEPAD E-SCHOOLS INITIATIVE - TASK AHEAD

- To develop all African primary and secondary schools to become NEPAD e-Schools;
- There are about 600, 000 schools in Africa (about 10% secondary schools);
- Target is to convert all schools in any given country to “NEPAD e-Schools”
  - ✓ Secondary schools in 5 years
  - ✓ Primary schools in 10 years from project inception.

# PROJECT IMPLEMENTATION

- Project is being implemented in 3 phases each comprising 15 – 20 countries.
- First phase will comprise 16 countries.
- Project definition, coordination, monitoring and evaluation will be conducted at continental level.
- Project execution

# **SUB-PROJECTS OF NEPAD E-SCHOOLS INITIATIVE**

- Infrastructure
- ICT teacher education
- Content and curriculum development
- Community involvement and participation
- “Health point”
- Alternative energy sources

# PROJECT PREPARATORY ACTIVITIES

- Development of NEPAD e-Schools concept
- NEPAD e-Schools Implementation Structure
- Business plan development
- Demonstration project
- Funds mobilization
- Commencement of roll-out

# **NEPAD DEMONSTRATION PROJECT**

Commenced in 2005 and ended up 2008

# NEPAD DEMONSTRATION PROJECT

- The Purpose is to accrue a body of knowledge, based on real life experiences of implementing IT in schools across the continent in order to inform the rollout of the NEPAD e-Schools Initiative
- The Demo has been implemented in six schools in each of the following countries: Algeria, Burkina Faso, Cameroon, Egypt, Gabon, Ghana, Kenya, Lesotho, Mali, Mozambique, Nigeria, Rwanda, Senegal, South Africa, Uganda and Republic of Congo

# IMPACT OF NEPAD DEMONSTRATION PROJECT

- More than 96 schools were involved in the project
- 16 governments were involved
- More than 70 private sector were involved
- Other partners such as ITU, UN Bodies, World Bank, African Bank, Commonwealth of Learning contributed financially and otherwise
- Three Monitoring and Evaluation Reports were produced



# THE E-SCHOOLS PLAN

- To facilitate the formation of National Implementing Agencies
- To facilitate common procurement standards and joint negotiations to achieve bargaining power through economies of scale
- To address how to implement the following:
  - Technical and conceptual support
  - Information, Sharing and advocacy
  - Professional Support development
  - Research, monitoring and evaluation

# OTHER NEPAD PROGRAMS

- **Human Resource Development**
- **Gender issues**
- **Health**
- **Agriculture**
- **Science and Technology**
- **African Peer Review Mechanism**



**AGRICULTURE IN**

**AFRICA**

**Transformation and**

**outlook**



# NEPAD' S AGRICULTURAL MANDATE

Creating an agricultural revolution

- ▶ Human challenges: reducing food and nutritional insecurity
- ▶ *Economic challenges: reducing poverty by promoting inclusive growth*
- ▶ *Environmental challenges: the sustainable management of natural resources*



**Inclusiveness**



**Mass production**



# HARNESSING OPPORTUNITIES AND POTENTIAL

1. Available knowledge already enables productivity growth and the protection of natural resources
2. Land and water resources exist in large quantities, but are fragile and exhaustible
3. Africa can increase inputs without harming the environment



# HARNESSING OPPORTUNITIES AND POTENTIAL CONTINUED

4. The food market in Africa will triple by 2030, when it is expected to represent more than \$1,000 billion





Science and Technology

# NEPAD/AFRICAN BIOSCIENCES INITIATIVE (NEPAD/ABI)

- ▶ Focusing on harnessing biological applications in the health, agriculture, environment and mining sectors.
- ▶ Objectives:
  - ▶ Address African problems in agriculture, health, and environment through the application of bioscience technologies
  - ▶ Use new developments in biosciences to protect the environment and conserve biodiversity in Africa
  - ▶ Build and strengthen human capacity in biosciences in Africa

<http://www.nepad.org/foodsecurity/africa-biosciences-initiative-abi/about>



# NEPAD/AFRICAN BIOSCIENCES INITIATIVE (NEPAD/ABI) CONTINUED

- ▶ Objectives:
  - ▶ Promote access to affordable, world-class research facilities within Africa
  - ▶ Harness indigenous knowledge and technology of the African people for sustainable utilization of natural resources and wealth generation.

<http://www.nepad.org/foodsecurity/africa-biosciences-initiative-abi/about>



# THE POTENTIAL FOR USING NEPAD TO USE ICT SKILLS IN:

- ▶ Teacher Education
- ▶ Teaching and learning process
- ▶ Agriculture – food production and preservation
- ▶ Doing research in Science and technology
- ▶ Health related issues such as clean water and sanitation



# DISCUSSION QUESTION

- ▶ How can the relationship between VT and NEPAD benefit LUANAR in implementing the Certificate Programs for Secondary School Agriculture and Science Teachers?
- ▶ What could be the opportunities?
- ▶ What challenges might there be?

# THE RELATIONSHIP OF NEPAD AND VT - MOU

- An MOU was signed between VT and NEPAD
- Role of VT is to support development of ICT skills and teacher training as one of the resource institutions as needed



# THANK YOU

Comments and Discussions