

# **ICT in Education, Rwanda**

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### wanda: Reality & Challenges





Gender ratio is a concern at Tertiary level (girls to boys ratio of 0.4)

# ucation Sector Strategic Plan (ESSP) 2006-

- The present ESSP is the forth update
- Emerging priorities of the nine year basic education policy

is;

integration of science and technology

 ESSP is focused to contribute the economic development and

poverty reduction (EDPRS)

- It underpins the concepts of universal access and equity
- The ESSP is derived from the long term strategy and

financial

framework (LTSFF)

We will continue to work with our partners to ensure we

provide ience and technology in education is emerging as a key priority area



# ICT as a tool for Teaching – Leaning in achieving the ESSP...

# Efforts initiated by MoE ...



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- National Information & Communication Infrastructure Plan
  2006-10
- Infrastructure (10 PCs /school) deployed in 400 secondary schools
- Connectivity is being established 83 schools connected so far
- 3000 teachers training in partnership with Microsoft
- GIS pilot initiative started in 10 schools in partnership with

ESRI

- NePAD e- Schools initiative in 6 schools
- OLPC pilot in one primary school
- EMIS packaged in being developed The Educational Management Development is another key priority area
- Dialogue initiated with many narthers for "ICT in



# **Going forward** ...

### ddressing the critical factors...



- Teacher involvement
- ICT in Education as an integral part of teachers'
- pedagogy and

classroom process

- Dedicated Government / partner resources
- Prescribed infrastructure, hardware and power

availability

Process guidance, ongoing support and teacher

development

- Digital learning material (relevance, quality & quantity)
- Monitoring and Evaluation



# How OLPC can assist in achieving the ESSP and Critical Success factors?

### **Positives of OLPC**

- The idea and ambition is very appreciable
- Packaged with all possible features Specific to hardware
- The video and photo clarity is good
- Compact, good looking and less weight
- Attractive capital cost (If it is sold at USD 100/- Per Laptop)
- Meets most of the Environmental & Regulatory
- requirements

on

- Focused to support education
- Dual operating system compatibility News from BBC News



- Rwanda is looking for XO laptops for both children and Teacher
- Is the same configuration is good enough for the teacher?
- Do we need to install server in the school / classrooms? •
- **Battery back up Enhancing the duration of back up**
- Addressing the breakage/hardware failure/software problems ۲
- Service back up at the filed level including components and • AMC
- The framework for ICT integration and classroom management
- **OLPC** hangs if the children open couple of applications ۲ together
- **Reliability of open source OS and support services**
- Training and capacity building teachers & administrators
- Curricular and Co-Curricular content in Regional Languages • Almost 50% of the "OLPC" is not functioning in the pilot school
   Upgrading / replacement and electronic waste disposal

### Some other challenges...



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## Thank you







t us leverage the potential of ICT to enhance the quality of learning in Rwanda – of course with your supp