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ICT FOR EDUCATION – BURUNDI, RWANDA

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INVESTMENT IN ICT FOR EDUCATION IN RWANDA

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HoD, ICT in Education and ODeL
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BACKGROUND

- Rwanda's Vision 2020:

  - *to develop the country into a middle-income society by 2020*

  - *to transform a subsistence agriculture-based society to a knowledge-based and technology-let economy by 2020*

- ICT Policy developed in 2000

- Four five-year rolling National Information and Communication Infrastructure (NICI) Plans extended over the 20-year span of Rwanda's Vision 2020

Major objectives of ICT in Education

- Develop a high quality skills and knowledge base

- Improve the quality of education

- Increase access and equity to education using particularly ODeL

- Share and transfer knowledge, scientific publications and research findings

Skills development Project (NICI III – 2011-2015)

1. **ICT Professional Certification Programs:** to develop a competent and relevant ICT professional base

2. **SchoolNet:** to increase the penetration and usage of ICT in 12-year basic education
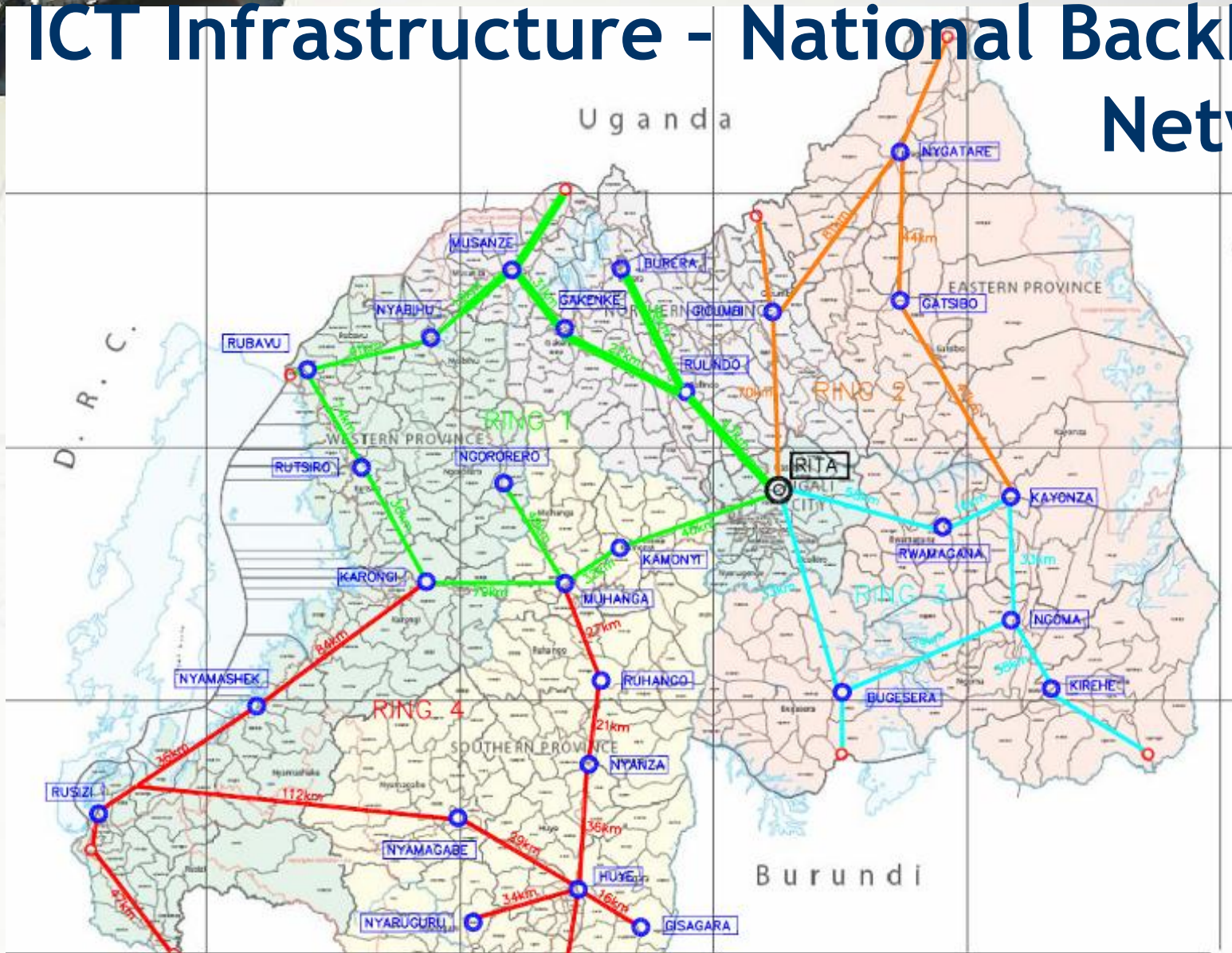
3. **ICT training for teachers:** to develop teacher capabilities in and through ICT

Skills Development projects

4. Rwanda Education and Research Network (RwEdNet): to enhance teaching, learning and research through ICT in HE

5. Open, Distance and e-Learning (ODeL): to increase access to education

6. Digital Library: to increase access to scientific publications to educational institutions and the general public

ICT Infrastructure - National Backbone Network

Major achievements

- **One Laptop Per Child (OLPC)**
- 75,000 OLPCs deployed in 138 schools
- 35,000 OLPCs in the process of deployment
- 100,000 OLPCs ordered
- Server networks installed in schools with educational materials (science and technology, Mathematics and English)
- 1,500 teachers trained in OLPC maintenance
- OLPC assembly plant: negotiation in progress

Building Skills in STI: One Laptop Per Child

ICTs 9 and 12-YBE

- 1,278 computers distributed in public schools in 2011

- 3,614 teachers trained in using ICTs in teaching and learning in 2011

RwEdNet and ODeL

- 33,000 e-journals available for the National Digital Library

- Fibre Optic connecting HLIs

- Teleconferencing started between HLIs

RwEdNet and ODeL (cont'd)

- **E-learning** programs started in HLIs

- **Carnegie Mellon University in Rwanda**, a U.S. HLI with a history of excellence in HE and as a global thought leader in technology innovation

Regional Centre of Excellence in ICT

- **Partnership with Carnegie Mellon University (CMU) and African Development Bank**

- **Regional Centre of Excellence (CoE) in ICT-related fields.**

- **The Campus will work to the same Standards as CMU of the US**

- **Loan agreement approved by AfDB Board December 2010 for Campus Construction**

- **10 Year Operationg Agreement signed with CMU Pittsburg September 2011**

Upcoming activities

- **Rwanda International Conference on Technology in Education**
- **ICT Training Research Centre to be created in Rwanda Education Board**
- **Educational Technology Innovation and Development Award**
- **ICT clubs in schools**

Thank you! Murakoze!

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