ICT4E Kenya
National educational strategy document

- Vision 2030 – Medium term plan II (2012)
- Education act (2012)
- Sessional paper on ICT4E (2012)
- National Education Sector Support Programme 2013 – 2017
- ICT strategy for education and training (2006) – urgently needs to be revised
- Open data policy
- ICT strategy (2006)
Link in Guiding Document to OER Policy Development and ICT in Education Teacher Training Initiatives

• Teacher training initiatives:
  – Teacher training programmes are viewed as being largely unfit for purpose and in need of radical reform
  – Make ICT a priority area for Continuing Professional Development for all teachers

• OER policy development:
  – MTP highlights addressing intellectual property in educational material
  – OER not specifically mentioned
National ICT strategy

To modernize Kenya’s educational system using ICTs and expand access to education, training and research resources and facilities, as well as to improve the quality of education and training ... responsive to the needs and requirements of the economy and society with specific reference to the development of the information and knowledge based economy and society. The aim of this is to transform Kenya into an ICT or information knowledge-driven nation.
National ICT strategy

Partnering with sector players, universities and other institutions of learning, the government will:

• Work towards developing new models for ICT education and training, and facilitating internships for students;

• Develop an ICT curriculum targeting all levels of education including primary, secondary schools and institutions of higher learning.

• Teachers involved in the delivery of ICT education programs will receive appropriate professional development.
National ICT strategy

The government in consultation with the private sector and other stakeholders in the education sector will:

• Work towards providing a national institutional set-up to support the exploitation of ICTs within the educational system; and
• Incorporate the necessary educational standards, best practices and regulations to guide the deployment, exploitation of ICTs in the schools, colleges and universities.
Institutions working in ICT4E (primary and secondary schools)

• Ministry of Education:
  – ICT4E department
  – ICT integration committee
  – National ICT integration and innovation centre
• Kenya Institute for Curriculum Development
• CEMASTEA (in-service)
• Teacher Service Commission
• Primary Teacher Training Institutions
• Universities
• National ICT Steering Committee
Current initiatives

• The MoE also acknowledges the need to reform the secondary school curriculum with the emphasis shifting from knowledge reproduction to knowledge production and, to make ICT central to it.

• The government is committed to the improvement of Primary Teacher Education and has continuously reviewed the program to make it more relevant to the needs of the country and in tandem with the latest international trends in teacher education.
Challenges to overcome to implement OER policy

• Recognition of OER
• Copyright of existing material (KICD)
• Capacity of teachers to develop material (ICT champions few per constituency)
• Lack of equipment for teachers and students
• Very limited connectivity
• Currently there is not much content available and there is a lack of access to that which is available. There is a need to develop content in local languages as well as English.
Challenges to overcome to implement ICT in Education Teacher Training Initiatives

- **Primary**
  - Huge number of teachers
  - No infrastructure in the schools to implement after being trained

- **Secondary**
  - Training offered by universities: no congruency; little influence on the programme
  - In-service training through ICT champions (not their full-time work and limited in number)

- Implementing policy, eg on use of ICT to support special needs and disabilities

- Many players; limited guidelines and coordination
Successful stories of implementing OER policy

No success stories on implementation of policy.

Initiative towards possible sharing of content:

- *ICT4E imitative by NI3C (national ICT integration and innovation centre)*
- Network for non-formal education (TV)
- OER Africa (Regional)
Successful stories of implementing ICT in Education Teacher Training Initiatives

Primary schools:
  – Primary teacher training institutions: USAID/FHI360

Secondary schools: (among others)
  – Economic stimulus programme: ICT champions
  – Intel Teach
  – Partners in learning (Microsoft)
  – Developing partners, e.g. SNV, VVOB
Asanteni sana