

**UNESCO International Institute for Capacity Building in Africa**

# **IICBA’s efforts in enhancing teaching and learning through ICT integration in Africa – achievement and challenges**



At Global dialogue on ICT and Education Innovation – Towards sustainable Development Goal for Education (SDG4)  
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In Moscow, 18 April 2018

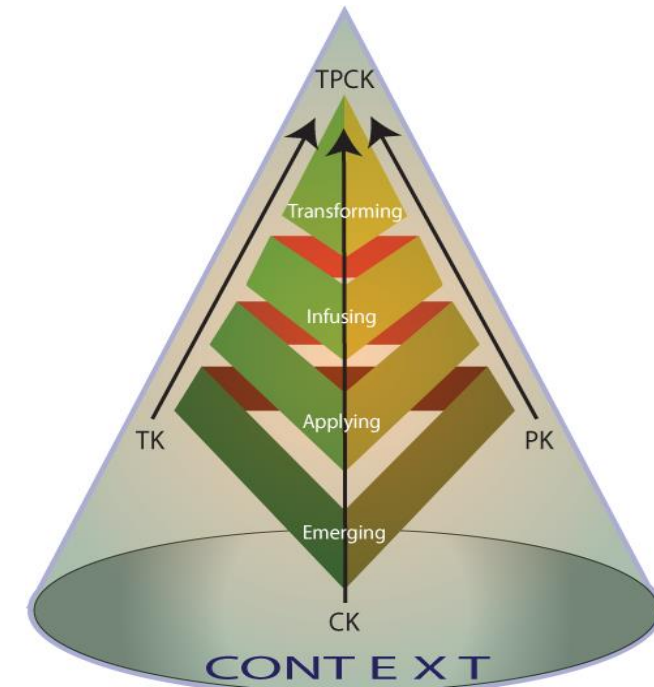
# UNESCO International Institute for Capacity building in Africa (IICBA)

- International Institute for Capacity Building in Africa was established in 1999 as UNESCO category I institute.
- IICBA is mandated to support teacher development in Africa.
- IICBA works on teacher policy, technical cooperation and research.
- We have a small but committed group of 28 people from 12 different countries.
- IICBA is strategically based in Addis Ababa, Ethiopia where the African Union is hosted.



# IICBA work on ICT integration in teacher development

- ODL for Master Teachers in Africa (<http://www.unescoafrica.org/odl/>)
- ICT teacher education enhancement in Africa with Chinese Funds in Trust (CFIT)
- ICT-enhanced Teacher Development (ICTeTD) training
- Master teacher training in ICT in science, mathematics technology education for girls
- e-Learning content development
- ICTs for Teachers in emergency & refugee situations in Kenya and South Sudan with UNICEF & UNHCR
- Workshop follow-up using WhatsApp in STEM and peacebuilding teacher training

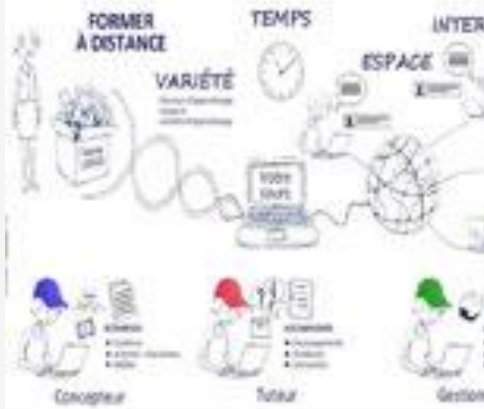


## Module 1



**Cadre de compétences en  
de l'UNESCO pour les ensei**

## Module 2



**Introduction à l'enseigne  
à l'apprentissage en ligne**

## Module 3



**Styles d'apprentissage et in  
nieurie**

## Module 4



**Web 2.0 et eLearning**

## Module 5



**La planification et la réalisat  
d'un cours en ligne**

## Module 6



**Plateforme E-learning MOO  
Guide de l'enseignant**

## Module 7



**Le projet de formation de  
formateurs à distance sur Mo**

## Module 8



**Evaluation**

# ICT in Teacher Development

- ICT have the capacity to reach many learners at the same time, hence **increasing access** to learning. This can be used in quality teacher education programmes for many unqualified teachers.
- ICT brings potentials/opportunities to make **learning contents more visual and understandable**.
- ICT can improve teaching and learning by making it more **‘interactive’** and **‘learner-centred’** as well as **‘activity-oriented’**.



# Remaining challenges in ICT integration in Africa

- Availability of hardware and its cost
- Availability of power in many rural schools
- Internet connectivity and its cost
- Sparsely populated rural areas and further difficulty in connectivity
- Plagiarism on the increase



# Potential in ICT use in teacher development in Africa

- There is high demand among teachers.
- Assessments can be more effective and timely with the use of ICT.
- ICT can improve teaching and learning materials.
- ICT can contribute to more innovative and interactive teaching and learning.
- ICT can connect teachers.
- ICT can provide means for learners to continue learning.
- Green solution is available for power and internet connectivity.

*Thank you very much! Большое спасибо!*

