THE NO BULLSHIT GUIDE TO EFFECTIVE

CONTRACTOR

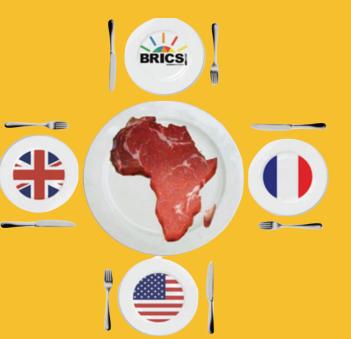
IN AFRICA

"Beyond one laptop per child"



MUKOM AKONG T. 9 @PERFEXCELLENT

Quiz: which one these has failed Africa most?







Greedy Multinationals



Corrupt Politicians

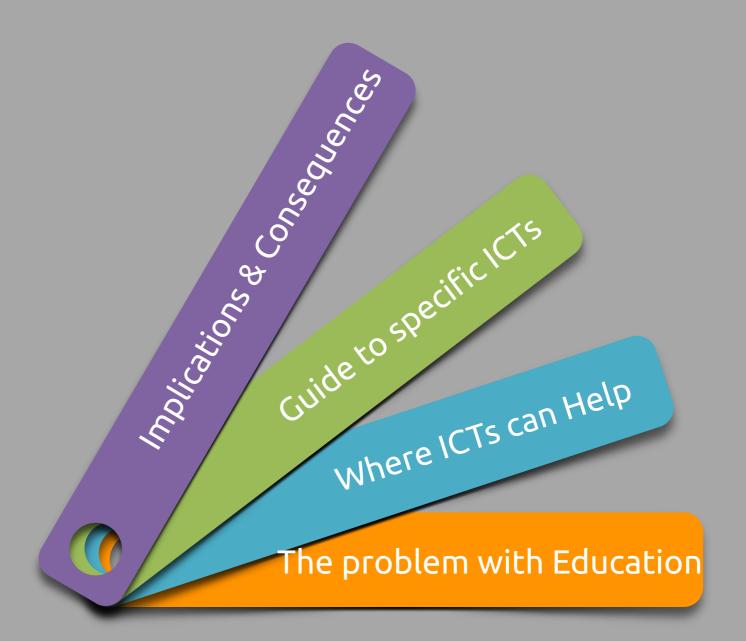


Africa's educational system

BOO million

Africa's population in 15 - 45 year bracket by 2030

Agenda!





Understanding the

Challenges

of education in Africa



Low educational achievement levels

28% Tanzania 19% Kenya Image: Control of the control of

Source: Brookings Institue

% of 6th grade pupils reading at grade level

Not enough teachers!

	2015	2030
Primary school	902	2,100
Secondary school	1,575	2,541

Number of teachers (thousands) needed in sub-Sahara Africa

Primary schools must also replace 2.6m lost to attrition by 2030

Large class sizes





How can

ICTs Help

in developing countries



The key stakeholders







What do learner's need?

- Learning resources
 - textbooks
 - games
 - multimedia
- Inspiring teaching



- Knowledge > skills
- Experimentation
- Exploration

What would be useful for teachers?

- Teaching aids
 - textbooks
 - multimedia
 - examples
- Scalable testing



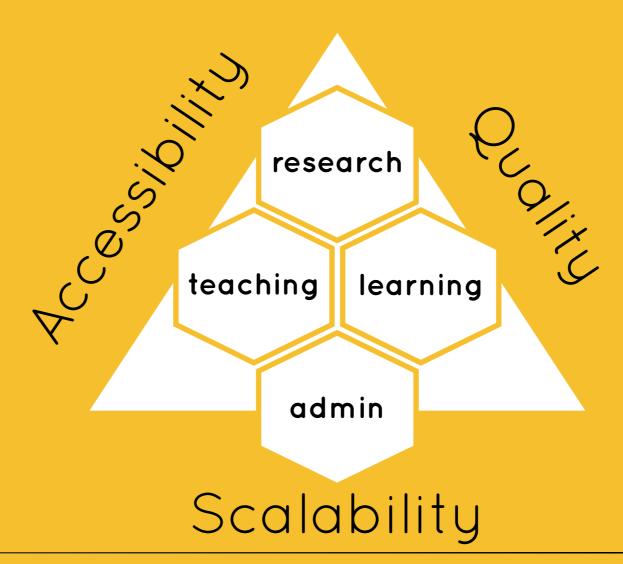
- Class management
- Skills acquisition
- ICT integration

What would be useful for administrators?

- Rapid reporting
 - attendance
 - academic records
 - asset utilisation
 - financial
- Analytics on all the data



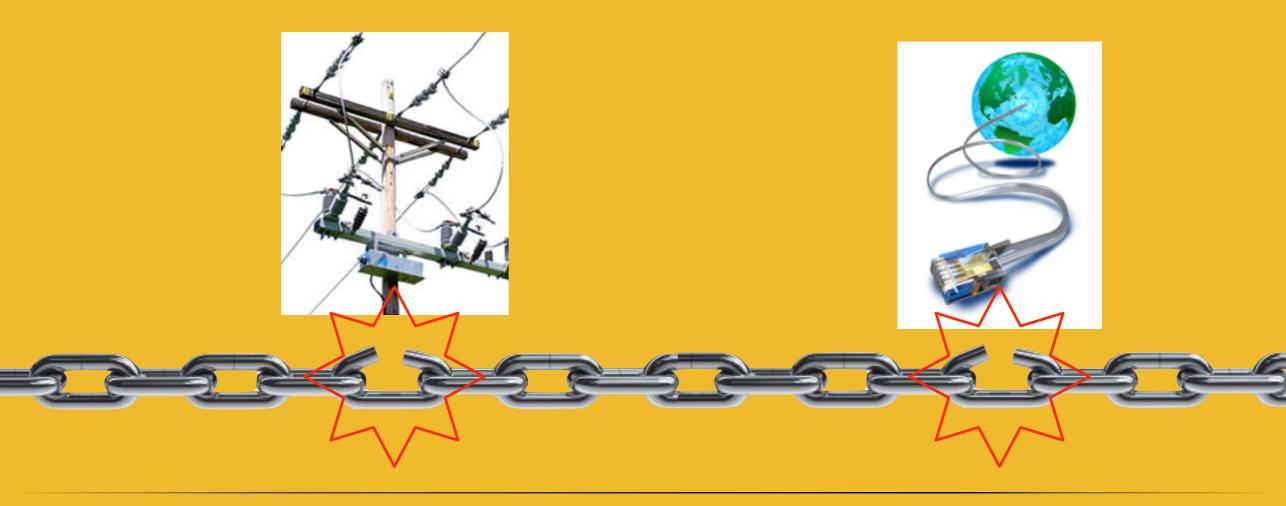
Deconstructing the problem



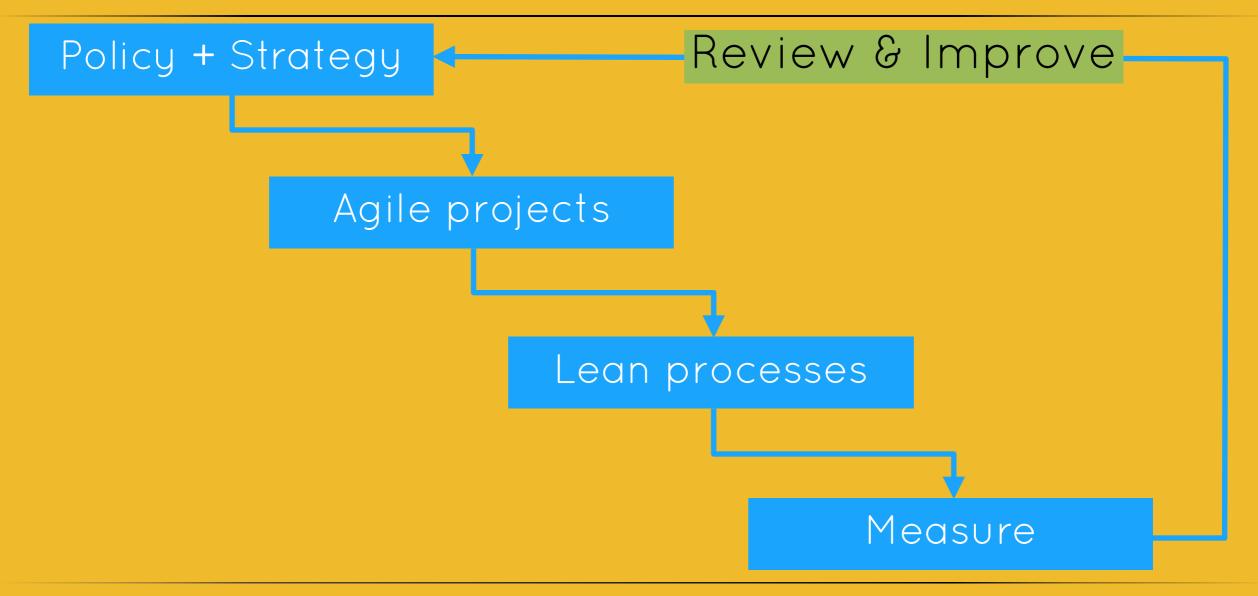
Understanding key constraints

Reliable grid electricity

Pervasive broadband



Towards a sustainable solution



Solving the accessibility & scalability problem



Great teacher

multimedia, applications

devices, networks

Solving the 'quality' problem



multimedia-enhanced content

True continuous assessment

subject-specific applications

Gamification





Quick evaluation of specific

Technologies

being positioned for this space



Devices for access



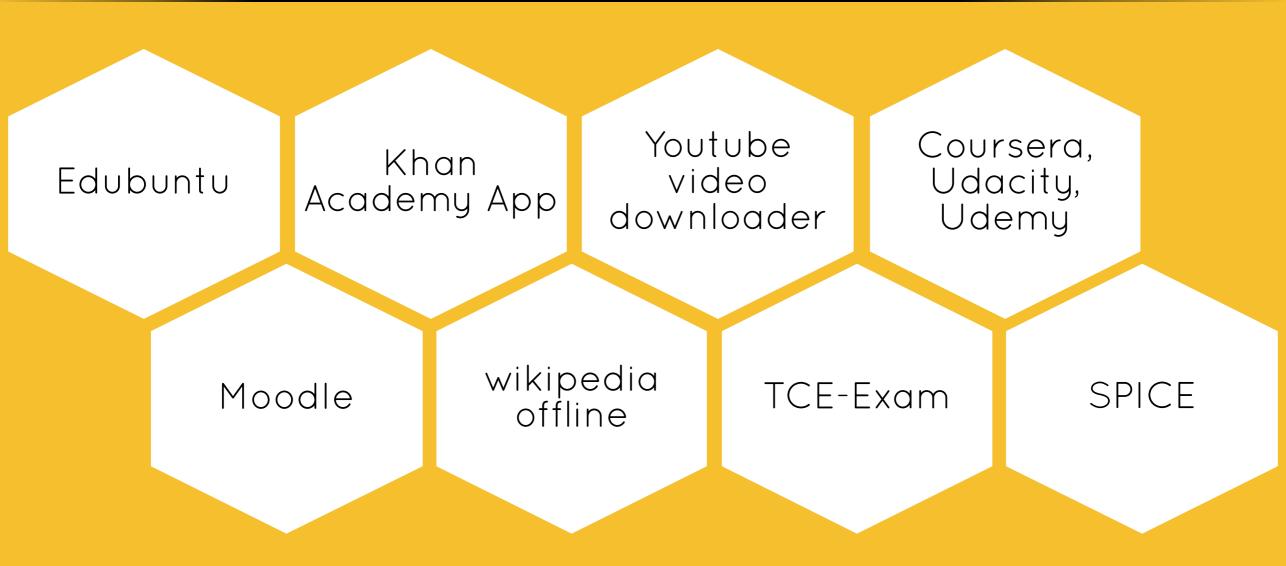
Technologies for the teacher



Applications categories



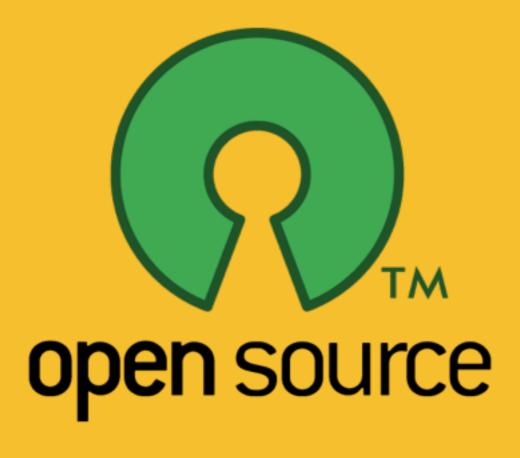
Specific Applications



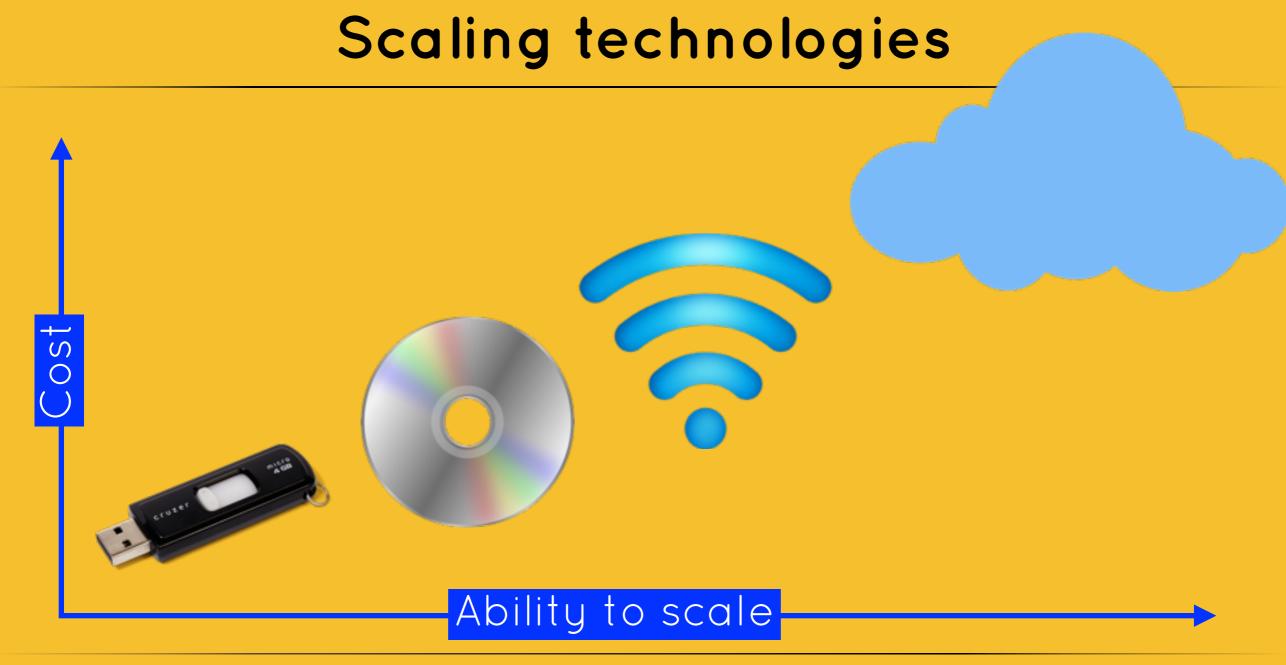
Some important websites

schoolforge.net + khanacademy.org opentapestry.org

youtube.com/edu



First, foremost ...and ultimately!





Some

Implications

and consequences of this shift



Bye to the priesthood of the teacher!



Teacher, behold the competition



Beware the Bermuda triangle of productivity



Why I am a believer!



Richard A. Mueller "Physics for Future Presidents"



Salman Khan Khan Academy

