

African Participation in digitally divided world: eLabtronics Corechart and Yunus' SBE

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Nigeria: A Tale of Two Cities

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Images of Lagos 2007



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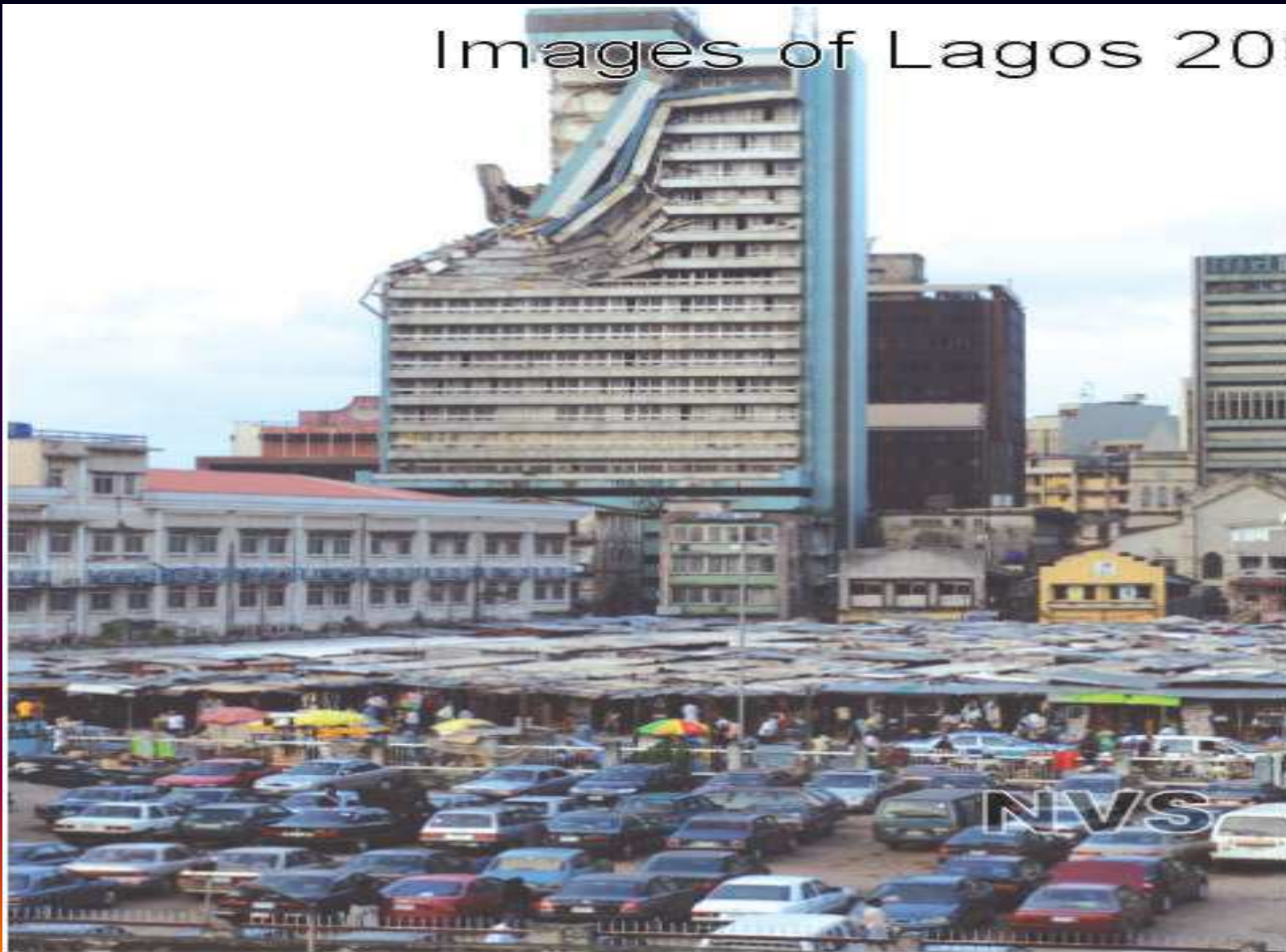


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Images of Lagos 200

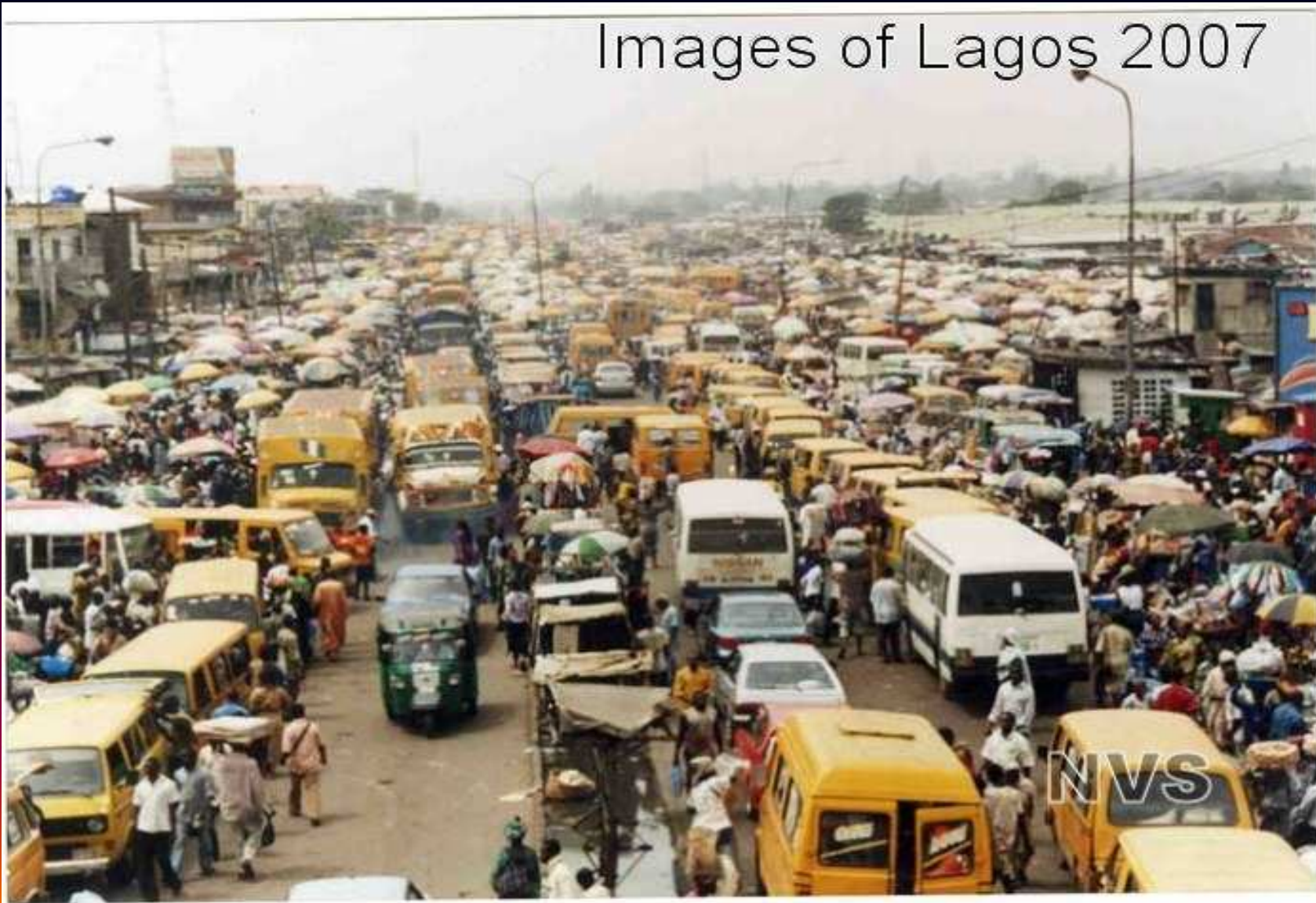


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Hope or Progress?



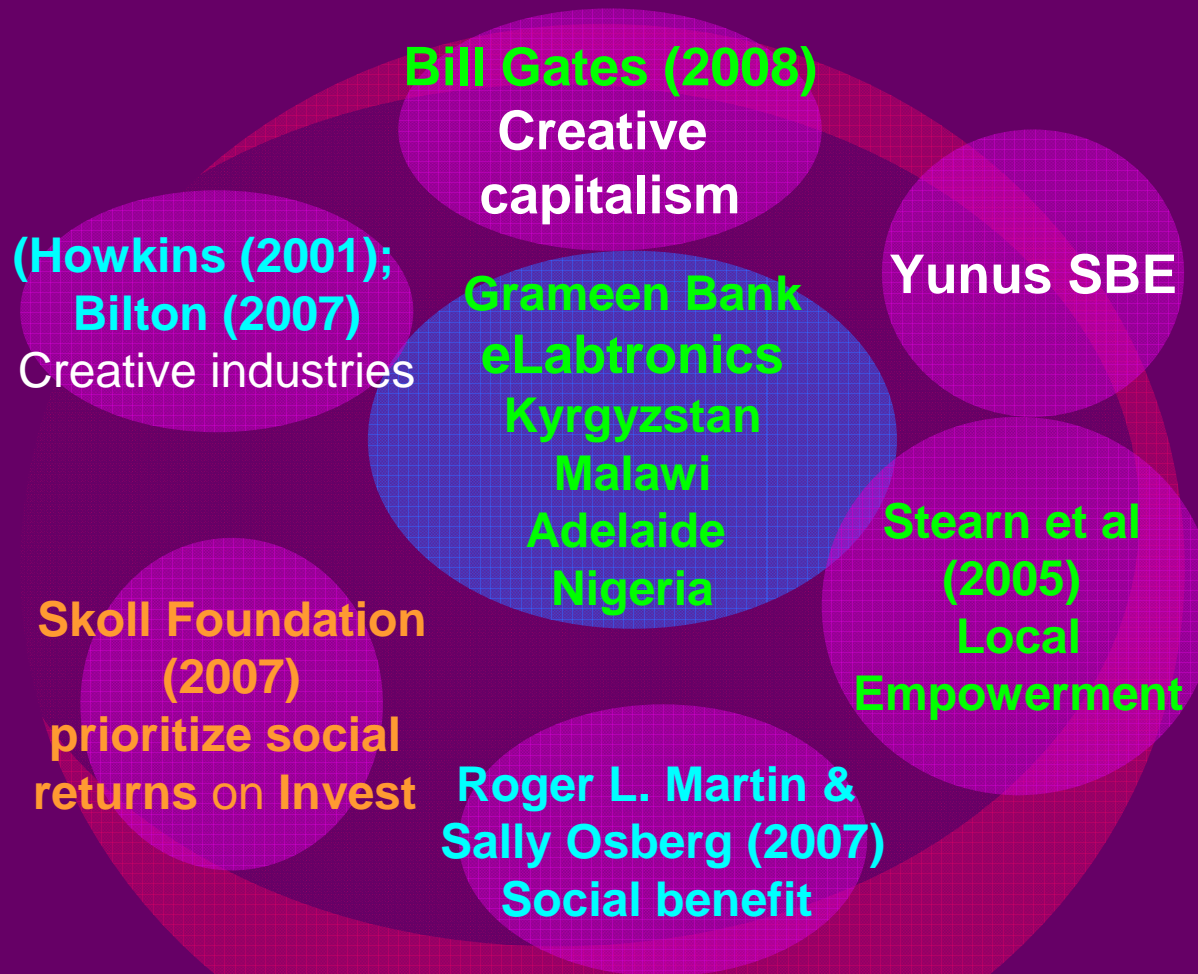
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Opening shot

- **Poverty reduction and empowerment**
- **Poverty is the absence of all human rights. The frustrations, hostility and anger generated by abject poverty cannot sustain peace in any society” ... (Yunus (2006), Nobel Lecture, Oslo, 10, December)**



SBE Theory



Poverty Relief Theories

- **Poverty is not caused by laziness, ignorance, or moral failings of the poor but by ineffective financial structures which could help them widen their economic base (Yunus, 1998)**

Poverty Relief Theories

- **The first steps to poverty relief is the establishment of basic infrastructures such as road, power and education (Sachs, 2005)**

Poverty Relief Theories

- **Hiring smart economists does not necessarily translate into policies and programmes that are of any benefit to the poor (Yunus, 1998)**

Statistics of shame

- In 1981, China's poor outnumbered Africa's by almost 4:1
- But by 2004, 500 million fewer Chinese lived under a dollar a day while African poor rose by 130 million

Nigerians statistics

- *7th largest producer of oil in the world*
- *The most populous country in Africa*
- *Population estimate of 144 million*
- *Almost 70% of its population living below UN poverty threshold of \$1 per day*
- *61% of Nigerians in the UK are doing better economically than many other immigrant groups*

Nigerian Statistics

- In 2005, the Paris Club cancelled \$18 billion of Nigeria's foreign debt
- In 2008 Nigeria's GDP rose to N22.91 trillion, (about USD180.4 billion)
- Non-oil sector accounted for 81.9% led by telecommunication at 32.85%
- Petroleum export accounts for 95% of the nations GDP.

Historical statistics

- *Diaspora remittance \$16 billion in 2007*
- *Lost Opportunity = \$1.44 trillion per annum through brain drain*
- *Or 90% lost income to foreign countries if remittance = 10% of total income excluding IP and unaccounted royalties*

Research objectives

- **Nigeria a country of economic contradiction calls for action**
- **2000 MDG to half poverty by 2015**
- **The use of ICT as key economic enabler in the fight against poverty**
- **capitalise on Nigeria's embrace of ICT (50 million mobile users)**
- **Education as key to empowerment**

Strategies of implementation

- **The fear of globalisation is that its rules have been written by foreign minds and Euro-centric perspectives, and thrust down our throats (Amolo Ng'weno, 2004).**

Strategies of implementation

- **Black professionals are the unelected representatives charged with responding directly to the needs of the black community**
Franklin (1990, p.72),

eLabtronics Adelaide to Nigeria



What is Corechart?

- Corechart as windows to microchip
- Can be used for textbook animation
- Interactive teaching materials like games and simulation
- Lego teaching technique
- Assembly quality at play level

Uses of Corechart

- Equip Teachers with practical solution to community needs
- Short training turnaround of about 1month
- Social engineering and social consciousness
- Novice training of about 3 months
- Microchip programming assembly
- Circuit design that turn into product

Expected Outcomes

- **Expand CoreChart Peer Mentoring Program**
- **Encourage uptake of Science and Maths in Schools**
- **Develop large scale Intellectual capital and IP**
- **Use SBE to enable SME enterprises**
- **Partnership with members of Diaspora rather than remittance dependency**

Expected Outcomes

- **Programming of interactive education materials through cultural digital stories**
- **Programming of low cost sensors as controllers for pasteurisation and food preservation**
- **Purification of water and preservation of crops for long term farming**
- **Energy through Windmills-anemometer**
- **Greenhouse control for agricultural growth**
- **Understanding lossless business model strategies through microfinance**
- **Development of local communication networks and tools**

A sustainable / scalable ICT
microchip skills development
model to eradicate poverty

Collaboration with
Universities and Polytechnics

Pentium II
and 111
Computers

Windows 2000
Operating Systems
Sponsorship

CoreChart
Licences
Sponsorship

Micro-finance

Nigerian students and (NGO)
CoreChart Training and Application Centre (CTAC)
Deploy microchip skills to improve quality of life

Local Govts,
women groups

Small power
generation

Pasteurization
& food
preservation

telecom

Interactive
books /toys

Water
purification

Turning local villagers into Customers
of Business / micro-businesses



"There are better ways to log off."

Thank You
Questions