

# About Research ICT Africa! Why a network of researchers? • To satisfy the growing demand for information and analysis needed for appropriate policy formulation and effective regulation • To provide a coherent research database on the African continent that informs policy-makers • To establishing the needs of countries and groups within them, and to conceptualising approaches that are likely to be effective in resolving country-specific problems • Supported by the Canadian IDRC.

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Each member institution represents that country's nodal point:

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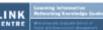
Hosted by the LINK Centre, University of the Witwatersrand, Joburg, South Africa.

•Advisor on E-Index, Aki Stavrou











# Evolution of the E-Access & Usage Index

Evolved out of 2 baseline studies conducted in 2003:

- **ICT Sector Performance Review** 
  - Sought to assess national policy objectives against outcomes in the ICT sector in terms of delivery and performance
- The Fair Access to Internet Report (FAIR)
  - Sought correlations between ICT policy regimes and regulatory practice, pricing of telecommunications and Internet services and Internet penetration.
  - While significant these factors overwhelmed by other factors.
  - Supply side analysis too limited on its own to provide a useful understanding of ICT development.

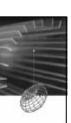










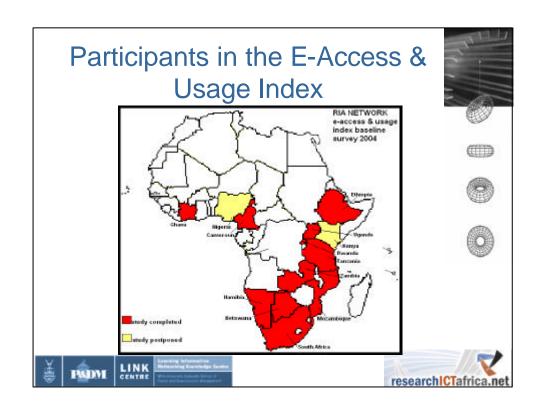








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# Logistics

- Collective questionnaire development
- Pilot
- Questionnaire revision
- Development of survey manual
- Training and pilot in country
- Survey
- Data capture in country and centralised
- Analysis







# Methodology

- Cost effective methodology based on the World Health Organisation's Expanded Programme on Immunisation (EPI)
- In order to meet the requirements of a scientific probability sample, there were features common to all countries:
  - Use accepted probability sampling methods at every stage of sample selection;
  - Select a nationally representative sample;
  - Ensure that the field implementation was faithful to the sample design;
  - Ensure that the sample size was sufficient to achieve reliability requirements.
  - The most recent population census was used as the sampling frame.
- The sample was segmented into three unique spatially defined strata: the capital city, other urban areas and rural areas
- Intended that 675 clusters be surveyed in the 14 countries and a total of 20250 household interviews. In fact around 16 500 surveys of household in nine countries were finally undertaken.

















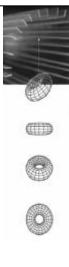




		<u>S</u>	amplin	g		
Country	Population	Diversity	Clusters	Questionnaires	- A	
			Targeted	Targeted		
Botswana	1,601,913	Low	30	900	430	
Cameroon	16,024,854	Medium	45	1,350	errive	
Ethiopia	67,872,710	Medium	75	2,250	QIII.	
Ghana	20,913,268	High	45	1,350		
Mozambique	18,945,114	Low	45	1,350		
Namibia	1,971,274	High	30	900		
Rwanda	7,938,017	Low	30	900		
South Africa	43,313,670	High	75	2,250		
Tanzania	36,838,286	Low	60	1,800		
Uganda	26,166,407	Medium	60	1,800		
Zambia	10,430,092	Low	45	1,350		
Kenya	32,262,077	Medium	60	1,800		
Nigeria	136,408,161	High	75	2,250		

### Questionnaire

- Module 1 sampling details and information on number of visits, whom was interviewed.
- Modules 2/3/4 demographics, vocation, income and mobile and internet address information for every member of the household being surveyed.
- Modules 5 and 6 household attributes, water, sanitation, waste disposal and postal infrastructure and services used by the household, as well information on various appliances, including household computers.
- Module 7 private non-mobile household phones and administered only if such were found in the surveyed household.
- Module 8 usage of public and office telephones
- Module 9 owned or used a mobile phone and the information collected is to reflect their own personal situation only.
- Module 10 cybercafe and internet usage



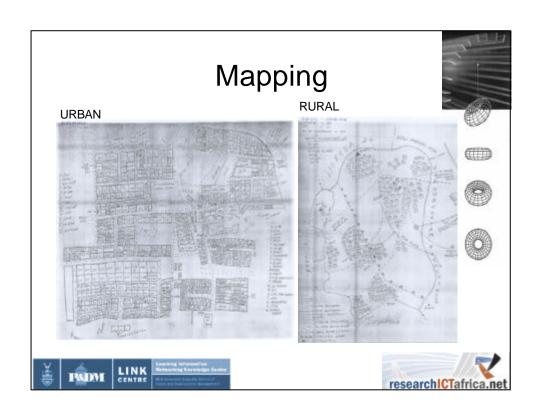






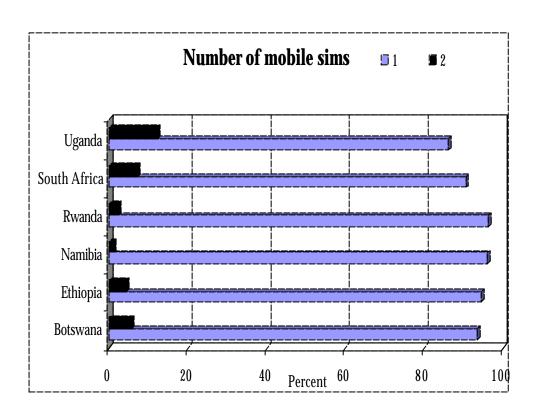


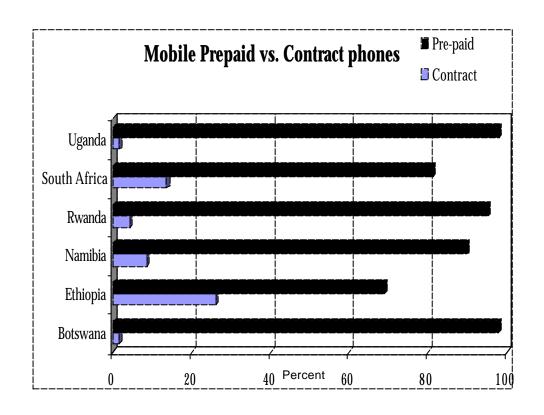


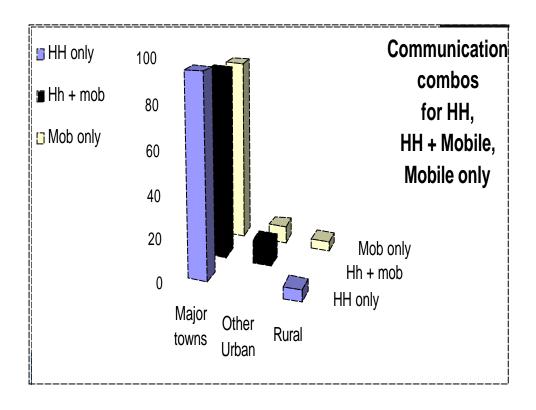


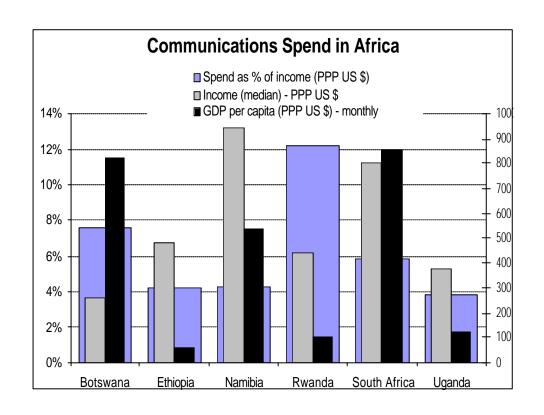
	Population	Poverty (% of population below \$1 a day)	Adult literacy rate (% ages 15 and over)	Urban population (% of total population)	GDP per capita	Surface area
General						
Botswana	1.7	n/a	78.9	49.9	2939.0	582.0
					96.0	1104.0
Ethiopia	67.3	81.9	41.5	16.2		
Namibia	1.8	n/a	83.3	31.9	1523.0	824.0
, tarriibia		n/a	00.0	0117	210.0	26.0
Rwanda	8.2		69.2	6.4		
		n/a			2293.0	1221.0
South Africa	43.6		86.0	58.4		
					243.0	241.0
Uganda	23.4	26.8	68.9	14.9		

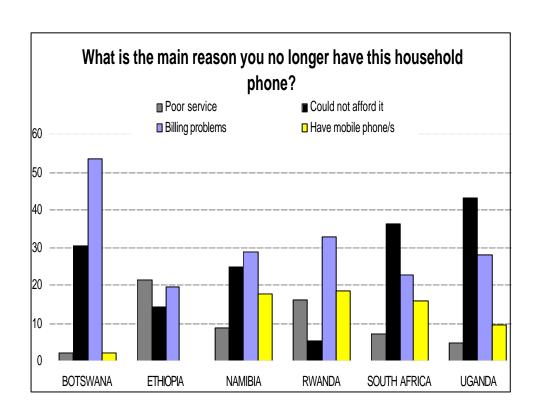
ICT ACCESS	Botswana	Ethiopia	Namibia	Rwanda	South Africa	Uganda
Fixed line penetration (%)	22.4	5.2	13.2	4.3	22.1	0.8
Mobile penetration - prepaid (%)	23.3	0.4	12.1	8.3	32.7	3.0
Email penetration - subscribers (%)	3.2	0.1	1.6	6.4	5.7	0.4
Payphone % (used in the last 3 months)	23.4	20.8	83.0	15.8	47.3	27.8

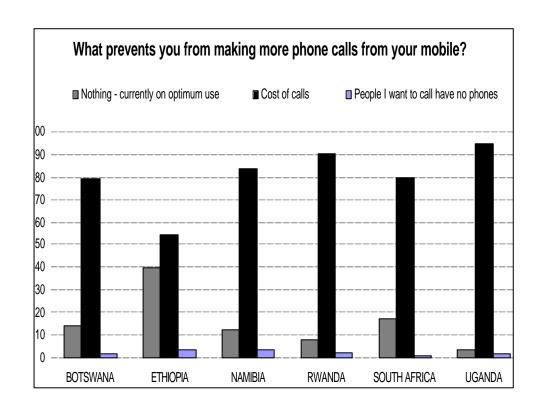


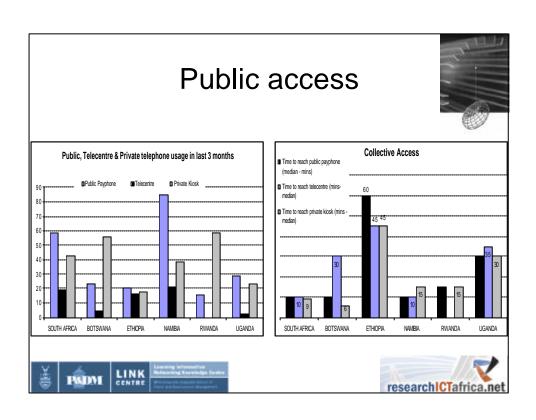


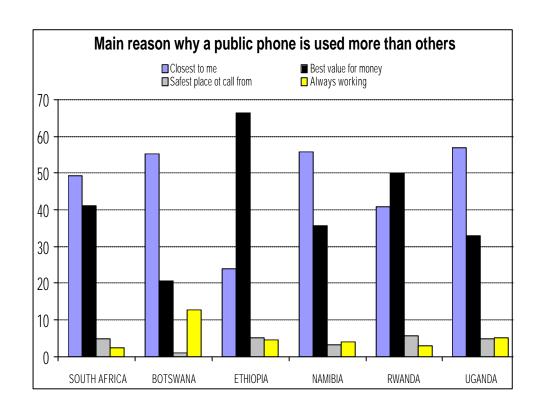


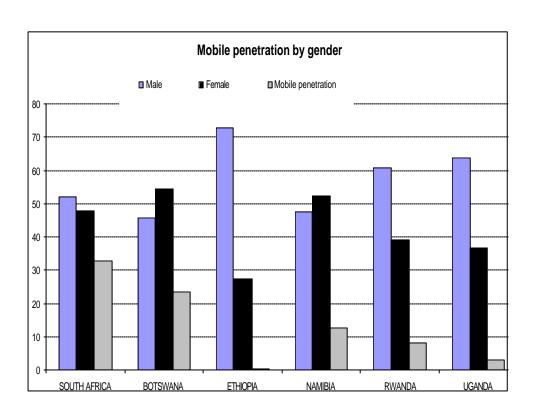


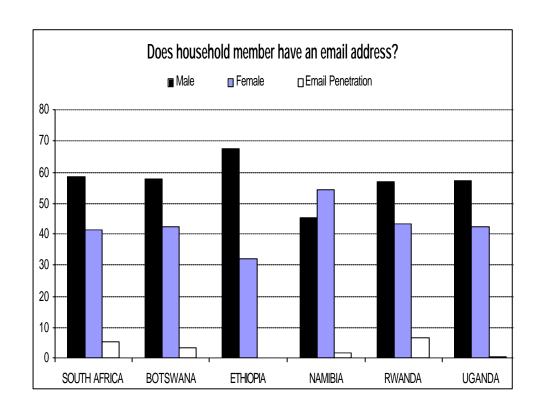


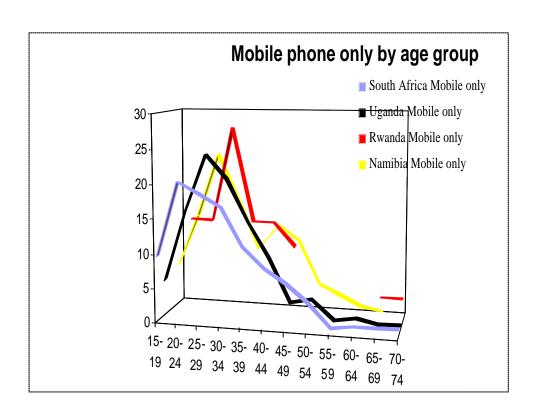


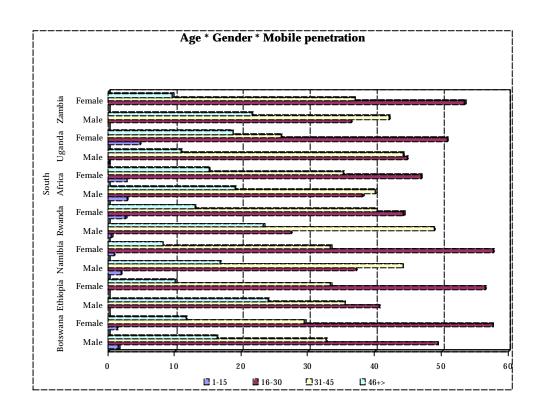


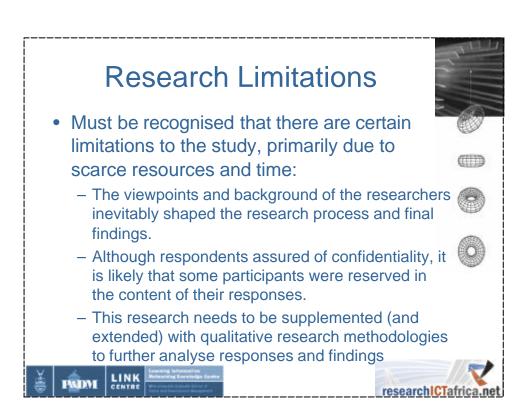












### **WIP**

 Reference ready version including country reports for Botswana, Cameroon, Ethiopia, Rwanda, South Africa, Tanzania Uganda and Zambia available from 1March 2005 at www.researchictafrica.net





