

# 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 \*\*TOPIC TOPIC TOPIC

### **RIA!** members

Each member institution represents that country's nodal point:

- University of Botswana Botswana Sebusang Sebusang 1
- 2. University of Yaounde II - Cameroon - Olivier Nana Nzépa
- University of Addis Ababa Ethiopia Lishan Adam 3.
- University of Ghana Ghana Godfred Frempong 4.
- 5. University of Nairobi - Kenya - Tim Waema
- Universidade Eduardo Mondlane Mozambique Americo Machunga 6.
- 7. Namibia Economic Policy Research Unit - Namibia - Christoff Stork
- 8. University of Lagos - Nigeria - Ike Mowete
- National University of Rwanda Rwanda Albert Nsenviyumya
- University of Witwatersrand South Africa Steve Esselaar 10.
- University of Dar es Salaam Tanzania Beda Mutagahywa 11.
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- University of Zambia Zambia Sikaaba Mulavu 13.

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









# 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.









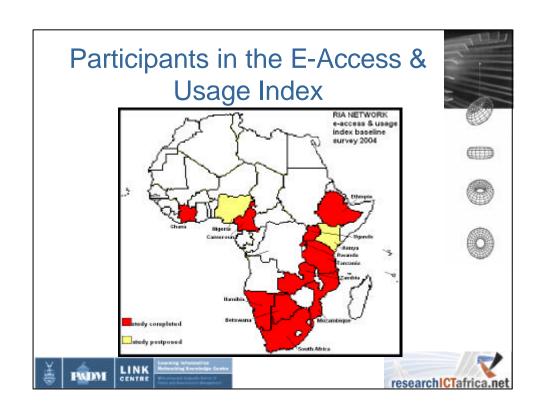








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# Methodology

- 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 that were selected and that a total of 20250 household interviews be undertaken. In fact 16 000 surveys of household in nine countries were finally undertaken.

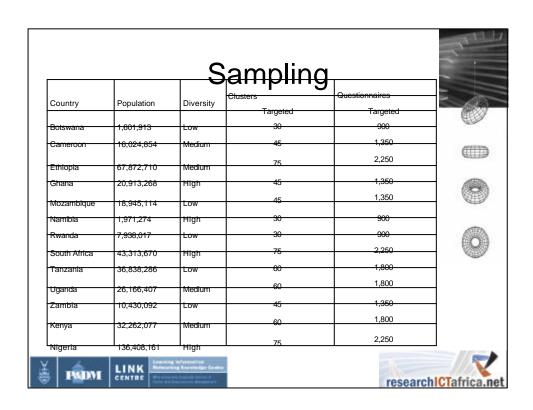












### Questionnaire

- 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



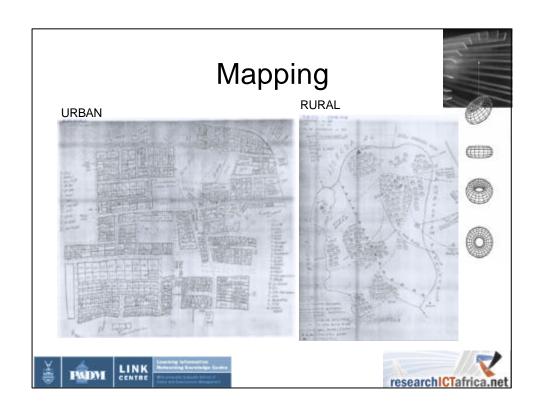












General	Population	Poverty (% of population below \$1 a day)	Adult literacy rate (% ages 15 and over)	Urban population (% of total population)	GDP per capita	Surface area
Botswana	1.7	n/a	78.9	49.9	2939.0	582.0
Cameroon	15.5	n/a	68.0	51.0	670.0	475.0
Ethiopia	67.3	81.9	41.5	16.2	96.0	1104.0
Namibia	1.8	n/a	83.3	31.9	1523.0	824.0
Rwanda	8.2	n/a	69.2	6.4	210.0	26.0
South		n/a			2293.0	1221.0
Africa	43.6		86.0	58.4		
Uganda	23.4	26.8	68.9	14.9	243.0	241.0
Zambia	10.5	63.7	79.9	40.1	338.0	753.0

Sources:Development Data Group, World Bank ITU World Telecommunications Development Report, 2003

	Botswana	Cameroon	Ethiopia	Namibia	Rwanda	South Africa	Uganda	Zambia
Fixed line penetration (%)	22.4	8.8	5.2	13.2	4.3	22.1	0.8	18.6
Mobile penetration - prepaid (%)	23.3	29.4	0.4	12.1	8.3	32.7	3.0	17.7
Email penetration - subscribers (%)	3.2	13.7	0.1	1.6	6.4	5.7	0.4	6.3
Payphone % (used in the last 3 months)	23.4	31.7	20.8	83.0	15.8	47.3	27.8	64.9

