



“e-Inclusion – a Global Challenge”

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No one left behind



**science
& technology**

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



Room with a view ...



ICT for an Inclusive Society

- E-Inclusion – the fight against exclusion
- Special focus on the marginalised - elderly, people living with disabilities
- Access alone is not enough
- Inclusion – the fight against poverty

..... it's all about quality of life



Technology and Inclusion

“... technology is a tool, but ultimately it is about people ...” – **Umberto Paolucci** - Senior Chairman,
Microsoft EMEA

“ICT is a powerful tool for improving the lives of the excluded...”

“The means of achieving inclusion is not the same everywhere...” - **Dr. Vaira Vike Freiberga** -
President of Latvia



Technology @ work for people

- Technology – an essential tool to address Millennium Development Goals
- Inclusion → e-inclusion → quality of life
- Identify ways to use ICT to accelerate progress



The African Challenge

‘African poverty and stagnation is the greatest tragedy of our time. Poverty on such a scale demands a forceful response...’

‘But all is not gloom ... things are changing on the continent – with African governments showing a new vision, both individually and working together through the African Union and its New Partnership for Africa’s Development (NEPAD) programme. Africa, at last, looks set to deliver.’

Commission for Africa Report 2005

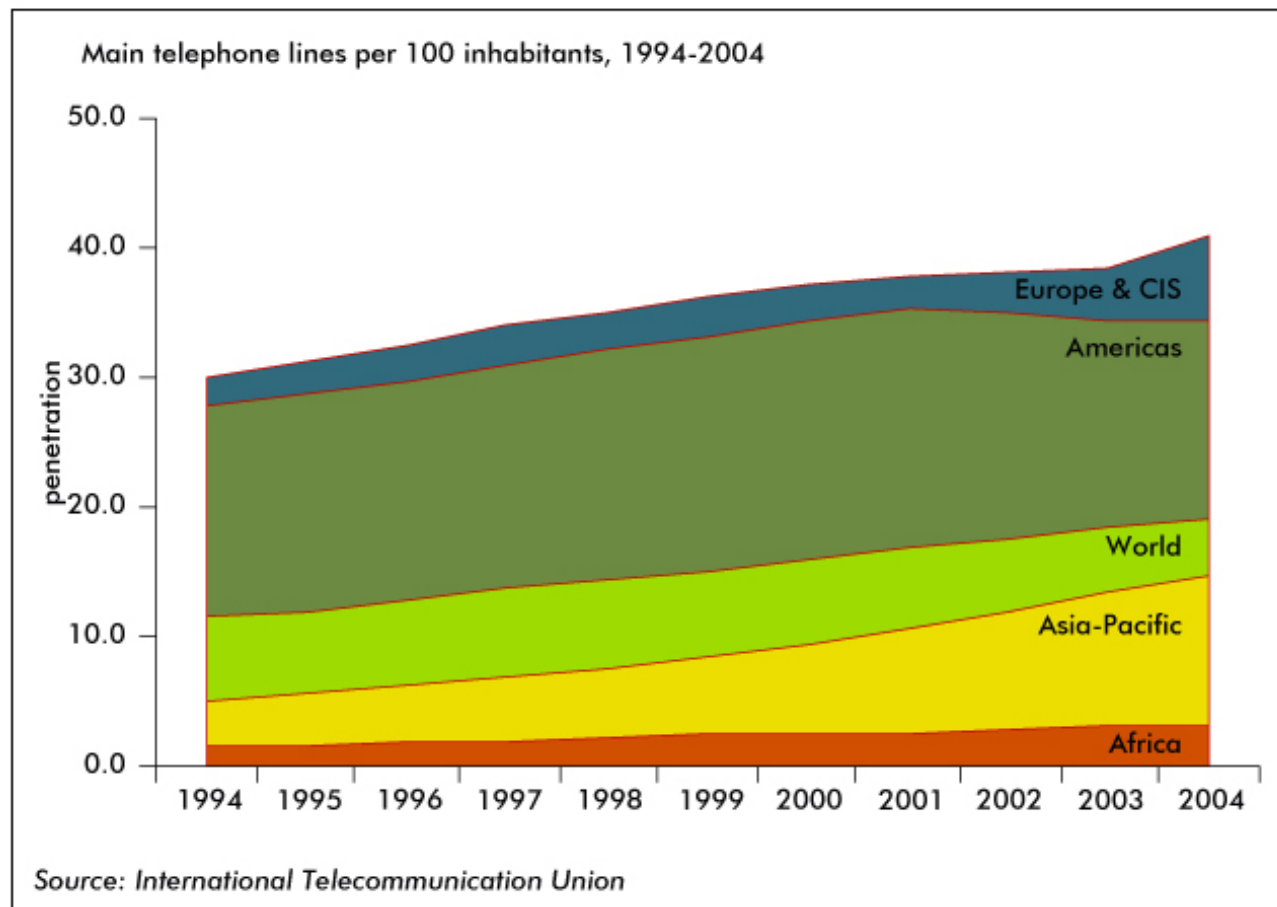


The African Challenge

A new wave of hope spreading across the continent, but challenges of e-inclusion remain formidable.

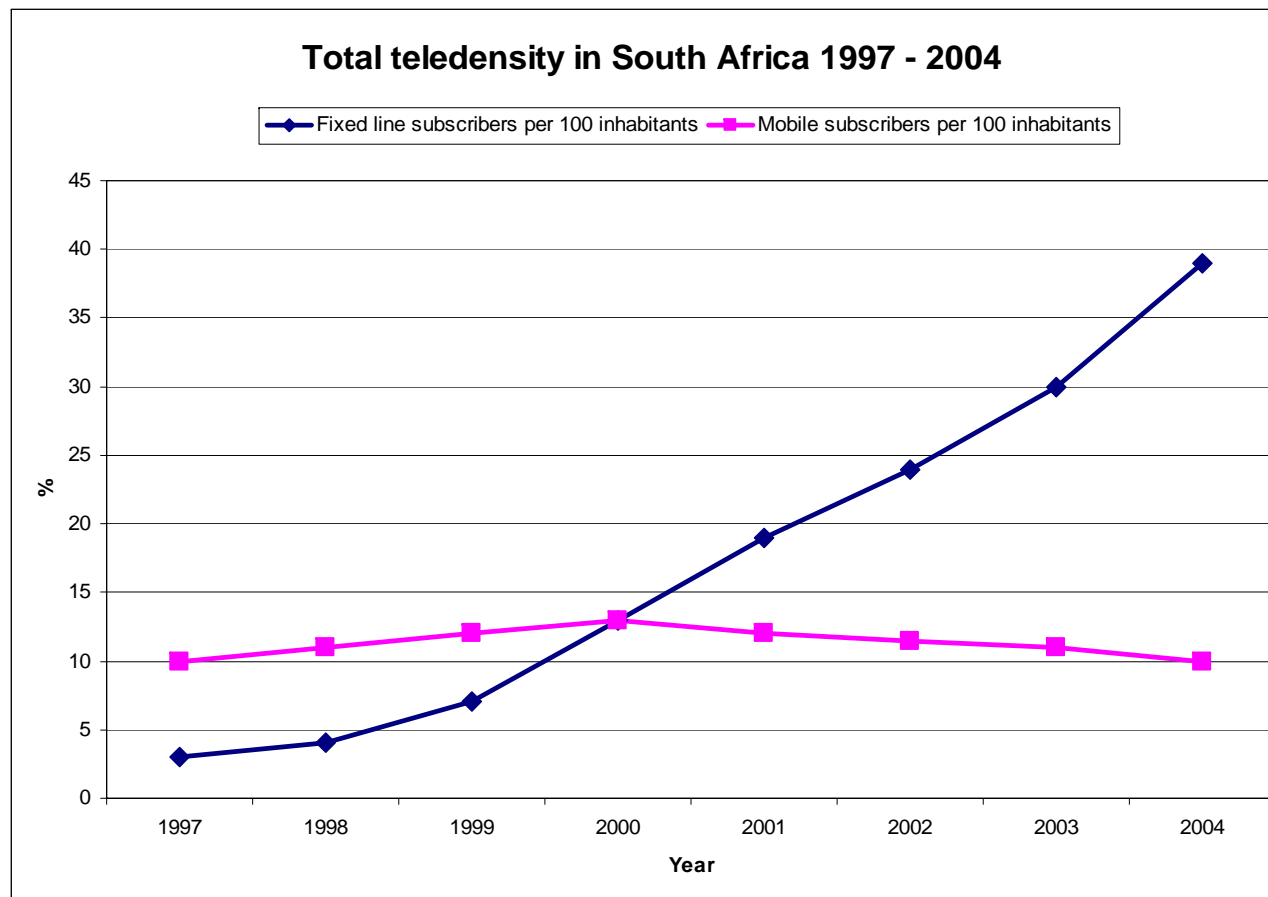


The African Challenge





Situation in South Africa





Making a difference in people's lives

HEALTH



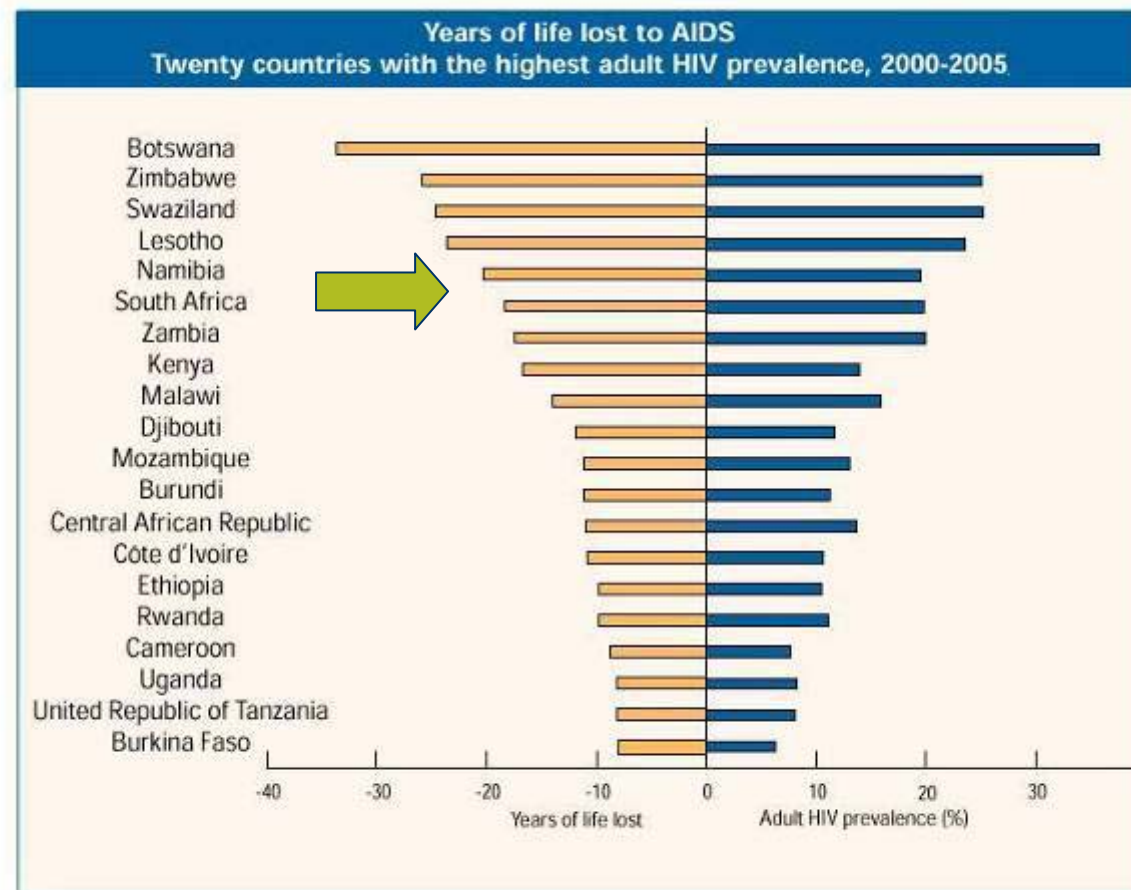
Nurse in Lubisi connected via phone & camera to doctor in remote hospital



Making a difference in people's lives

HEALTH

Impact of HIV/AIDS





Making a difference in people's lives

EDUCATION



Computers in schools – e-school

Digital Doorway





Making a difference in people's lives

GOVERNANCE



- e-Government Gateway
- Democracy in action – support for elections
 - Logistics – using earth observation and GIS to bring ballot papers to the right places



Making a difference in people's lives

MARKET ACCESS

- 2/3 of African population depend on agriculture for their livelihood.
- Agriculture accounts for 30-40 percent of Africa GDP
- From extension to market information
- Around 100 farmers in Makuleke using cell phone technology that gives small rural farmers access to national markets via the Internet





Tomorrow better than today?

'... today is better than yesterday...'

**-Ina Gudele - Minister for Special
Assignments for Electronic Government
Affairs, Latvia**

*'... today is better than yesterday, and we are
confident that tomorrow will be better than
today.'* - **President Thabo Mbeki, South
Africa**



Where did we come from?



- Understand and respect differences
- Build on the sameness
- Global challenge to solve through global partnerships

THE GENOGRAPHIC PROJECT POWERED BY IBM

MAIN MENU GENETICS OVERVIEW ATLAS OF THE HUMAN JOURNEY YOUR GENETIC JOURNEY

10-5,000 B.C.

ZOOM 15.4

AFRICA ASIA NORTH AMERICA SOUTH AMERICA AUSTRALIA

INDIAN OCEAN NORTH PACIFIC OCEAN ATLANTIC OCEAN

MAP TOOLS

PLAY VIDEO

GO TO: GENETIC MARKERS JOURNEY HIGHLIGHTS

THE FAMILY FOUNDATION

NATIONAL GEOGRAPHIC IBM

Global field research supported by the World Family Foundation. A research partnership of National Geographic and IBM.



Where are we going?

- Climate Change
- Need to **Share, Learn & Innovate** together to succeed





For success

Smart, global **partnerships**,

appropriate for the specific **context**,

recognizing the contribution of **knowledge generation**

that ensures a continuous drive towards both **sustainable use** and moving from **consumption to creation** and **empowerment**.

No one left behind



Paldies

Further information

<http://www.dst.gov.za>

(Department of Science
and Technology)

<http://www.esastap.org.za>

(European South African
Science and Technology
Advancement
Programme)

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