



International Telecommunication Union

DIGITAL DIVIDENDS FOR THE LDCs

Mid-Term Review on the Implementation of the BPOA

for the LDCs: 2001-2010

13 September 2006, New York

Cosmas L. Zavazava, PhD

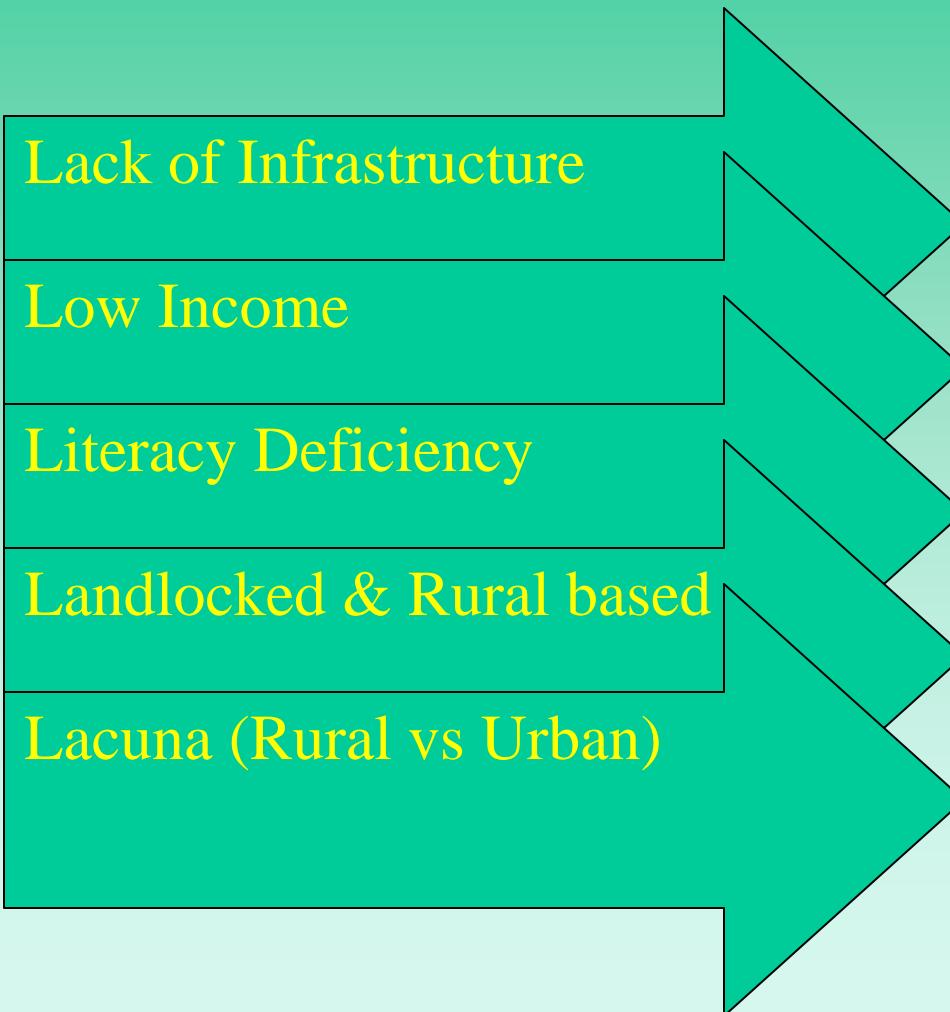
Head

Least Developed Countries,
Small Island Developing States and
Emergency Telecommunications

Who are the LDCs?



UNVEILING THE L FACTOR



**LDC
TRAP**

WHO WE ARE

ITU

Helping the World Communicate

190 Member States
700 Sector Members

ITU-T

Telecommunication
standardization
- network and service
aspects



ITU-D

Assisting implementation
and operation of
telecommunications in
developing countries

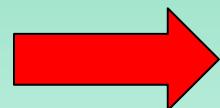
ITU-R

Radiocommunication
standardization and
global radio spectrum
management

Our programme

Least Developed Countries, Small Island
Developing States and Emergency
Telecommunications (Doha, 2006)

Vision



Quality and **timely** service aimed at integrating
LDCs into the world economy through ICTs

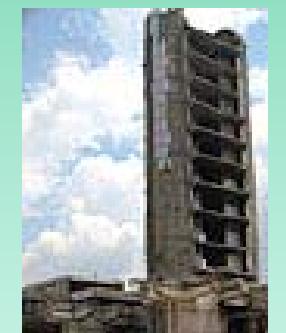


Priority Areas

- Universal access (infrastructure, introduction of new technologies, e-services, human resource development, policies and regulations)



- Rehabilitation and reconstruction of Telecommunication infrastructure for Countries in Special Need

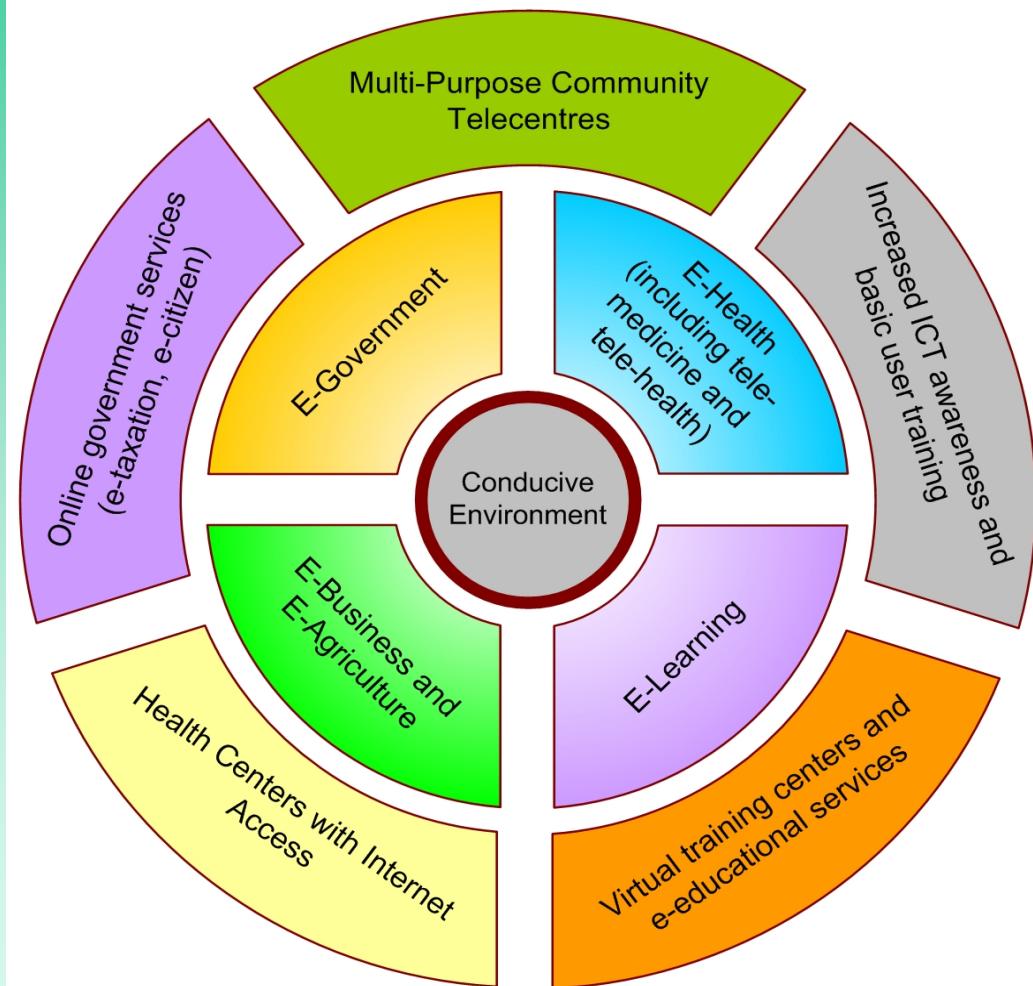


- Emergency Telecommunications

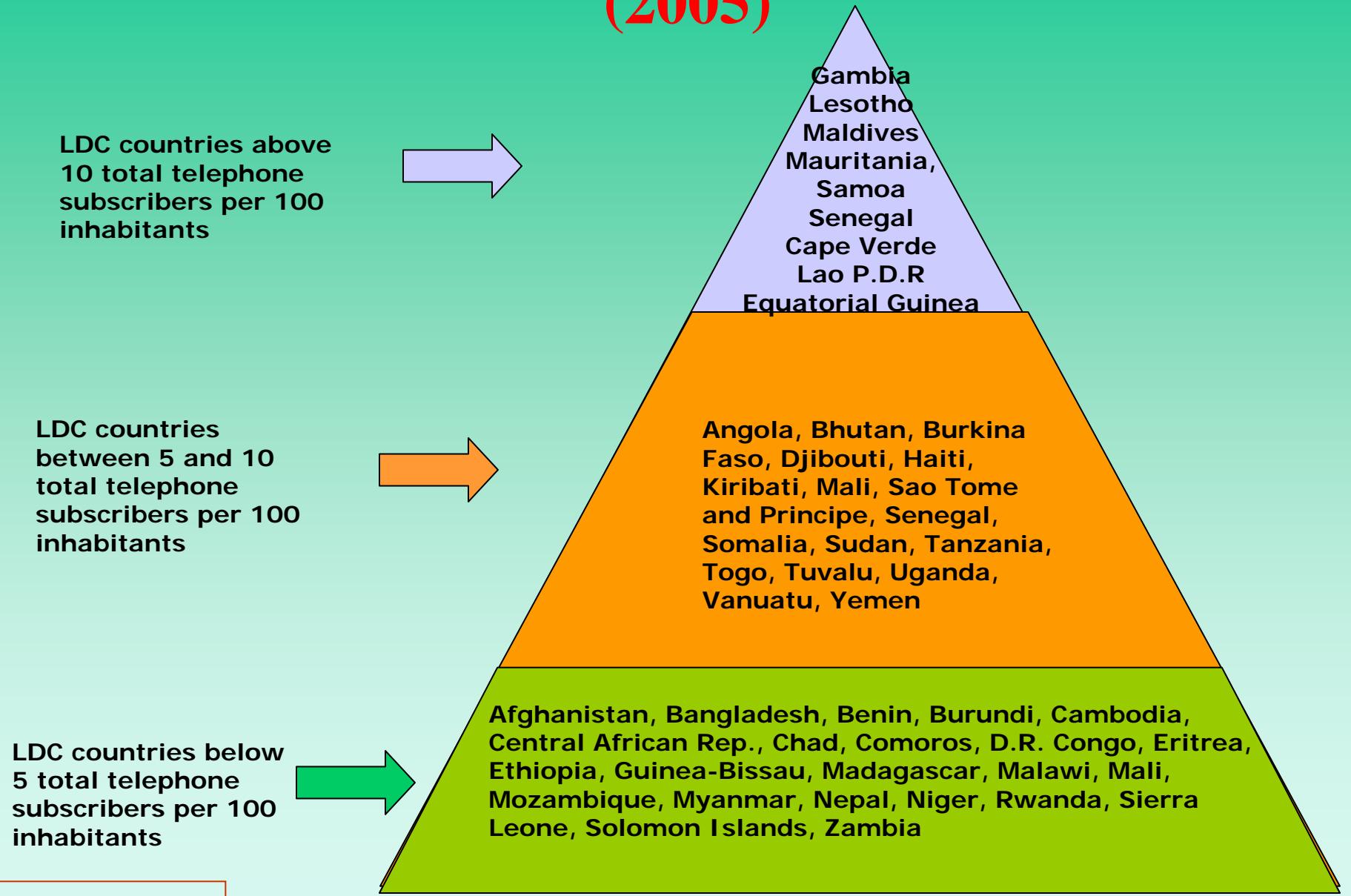


Applications and Services

Leveraging the potential of Internet to meet the needs of various sectors by putting in place a conducive environment

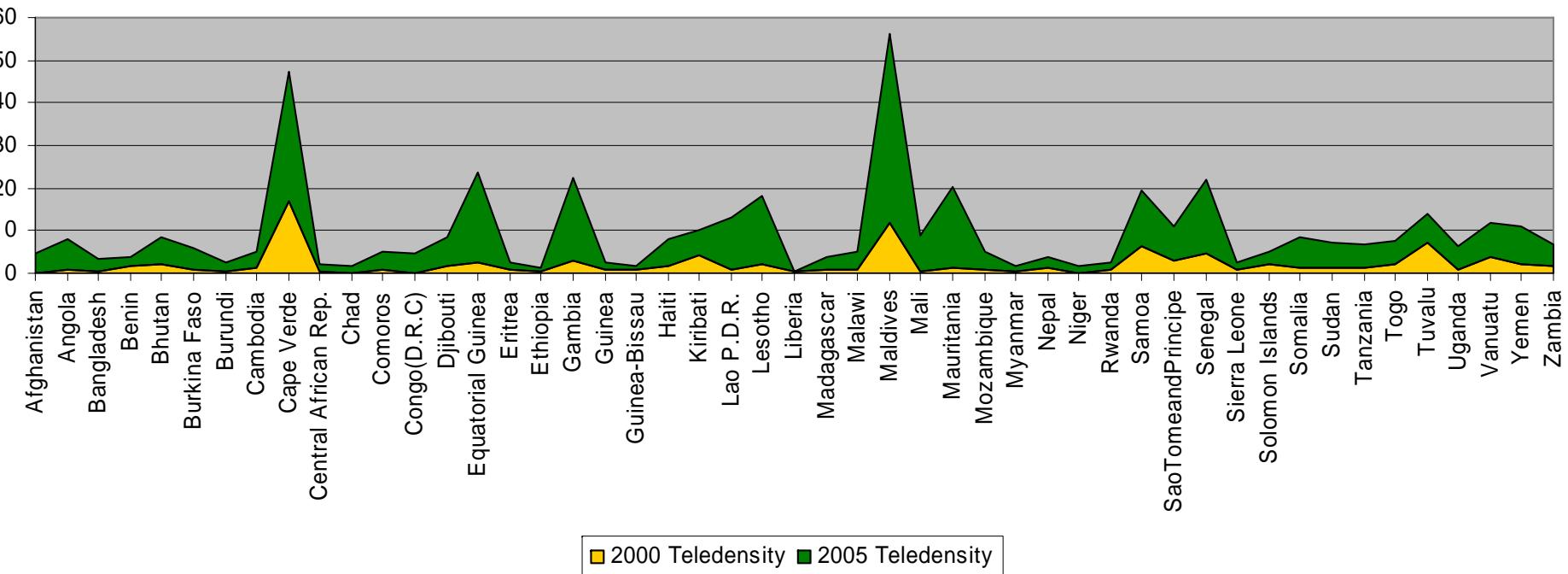


STATE OF ICTs in LDCs: TELEEDENSITIES (2005)



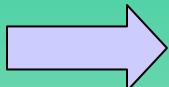
Growth of teledensity in LDCs doubled: 2000 - 2005

Growth of teledensity in LDCs from 2000 to 2005



STATE OF ICTs in LDCs: INTERNET PENETRATION (2005)

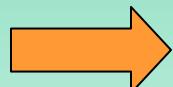
LDC countries above
10 total telephone
subscribers per 100
inhabitants



Sao Tome and
Principe

Tuvalu

LDC countries
between 5 and 10
total telephone
subscribers per 100
inhabitants



Benin, Cape
Verde, Haiti,
Maldives, Sudan

LDC countries below
5 total telephone
subscribers per 100
inhabitants

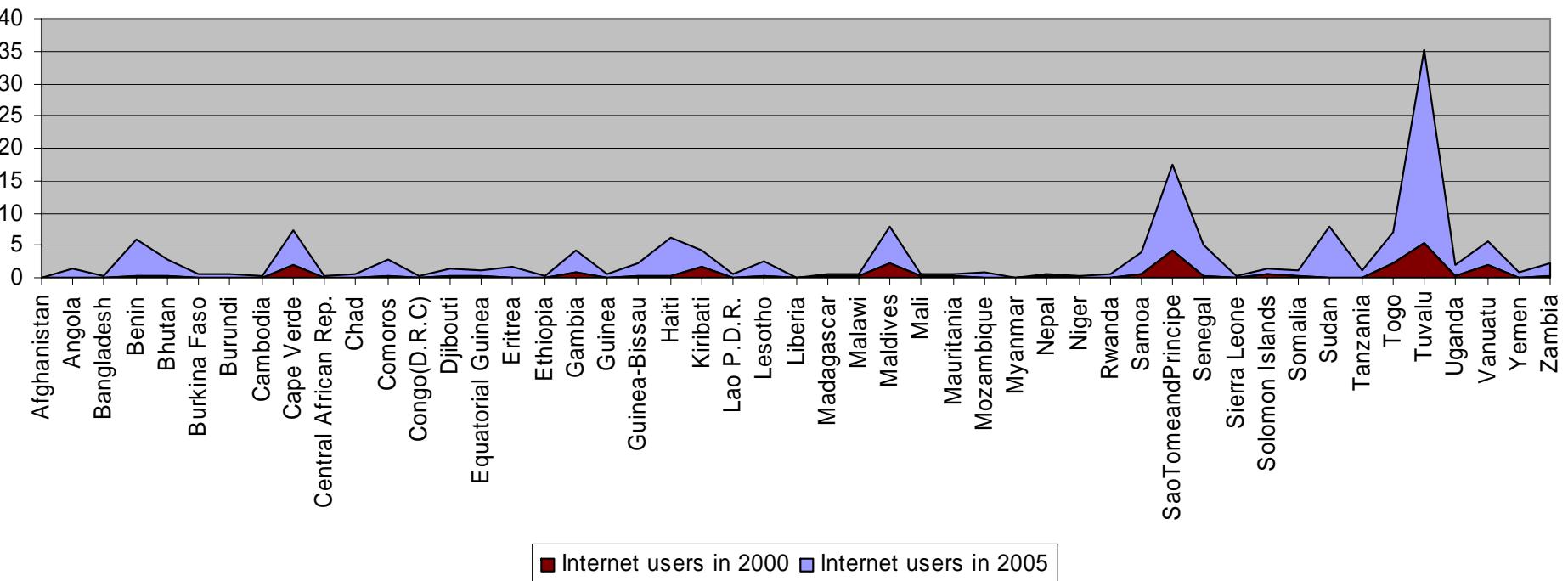


Afghanistan, Angola, Bangladesh, Bhutan, Burkina Faso,
Burundi, Burundi, Cambodia, Cape Verde, Central African Rep.,
Chad, Comoros, D.R. Congo, Djibouti, Equatorial Guinea,
Eritrea, Ethiopia, Gambia, Guinea, Guinea-Bissau, Kiribati, Lao
P.D.R, Lesotho, Madagascar, Malawi, Mali, Mauritania,
Mozambique, Myanmar, Nepal, Niger, Rwanda, Sierra Leone,
Samoa, Senegal, Solomon Islands, Somalia, Tanzania, Togo,
Uganda, Vanuatu, Yemen, Zambia

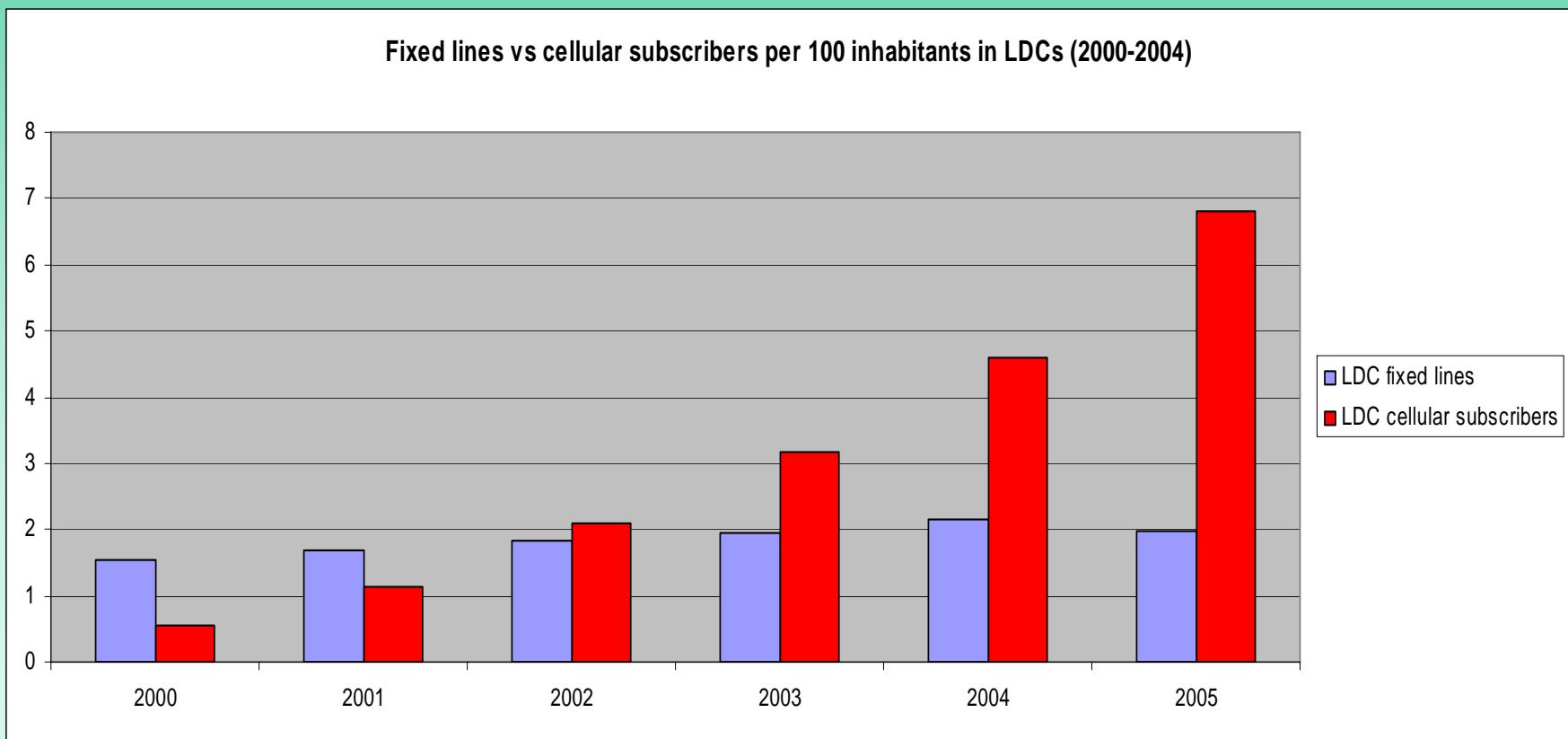
* 2005 figures

Growth of Internet penetration in LDCs (2000-2005)

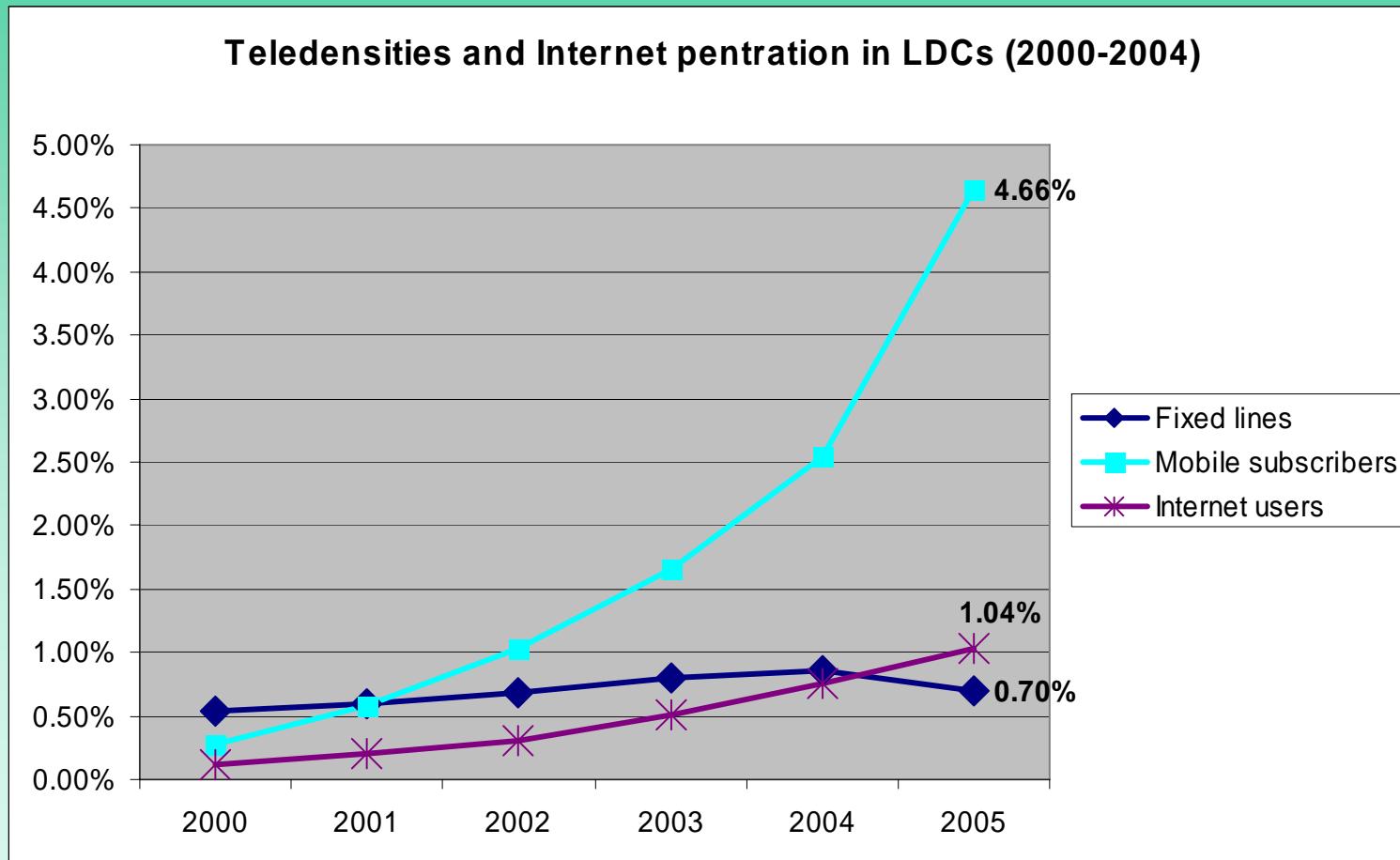
Internet penetration in LDCs (2000-2004)



Fixed vs Mobile



Fixed, Mobile and Internet



Drivers to growth: Policy intervention

Technology policy

Stimulating the economy by fostering innovation and technological development

Industrial policy

Shaping industrial structure
stimulating structural change,
supporting competitiveness

=

Growth and employment

ICT policy

Needs to redefine sectoral policies,
boundaries, institutions
and regulations

Media policy

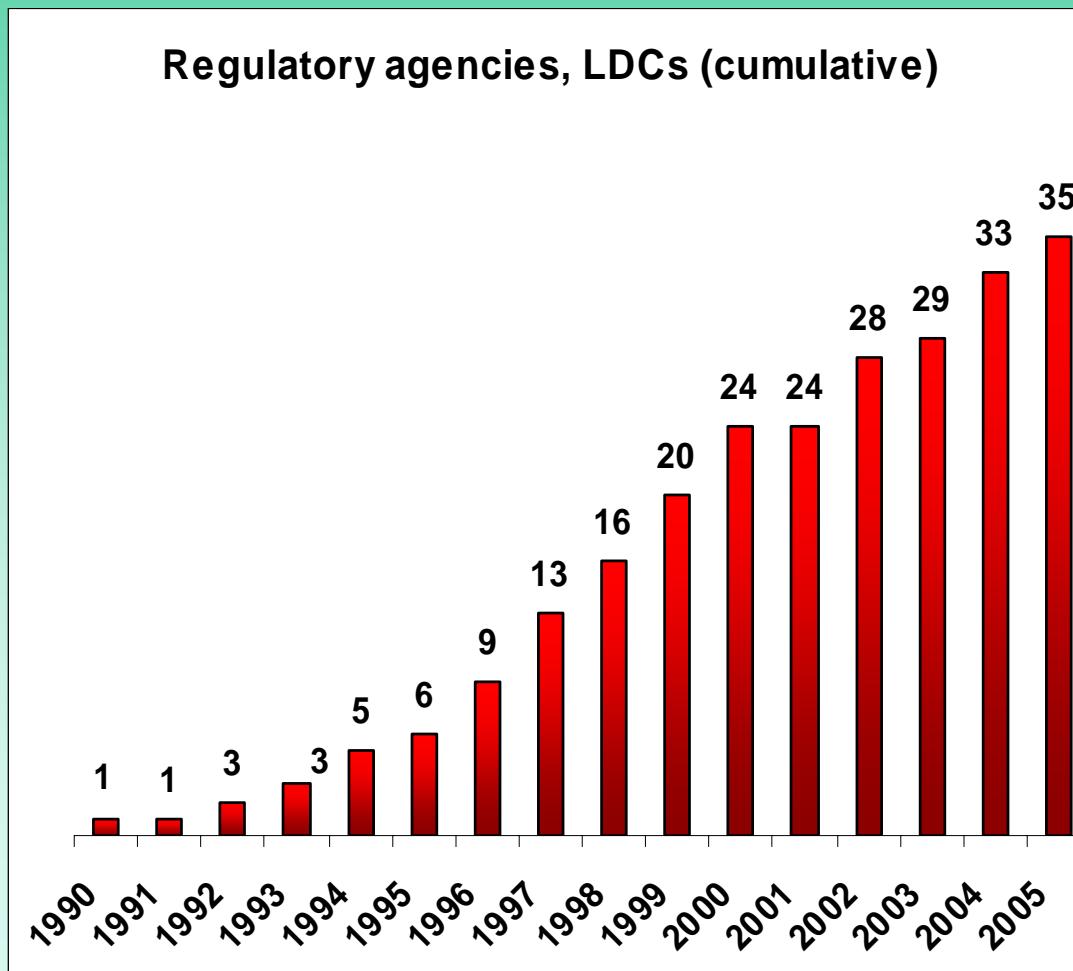
Defining the framework
for provision of electronic
media content (audio and visual sector)

Telecommunication policy

Creating and shaping the
transmission infrastructure (provision
of communication services)

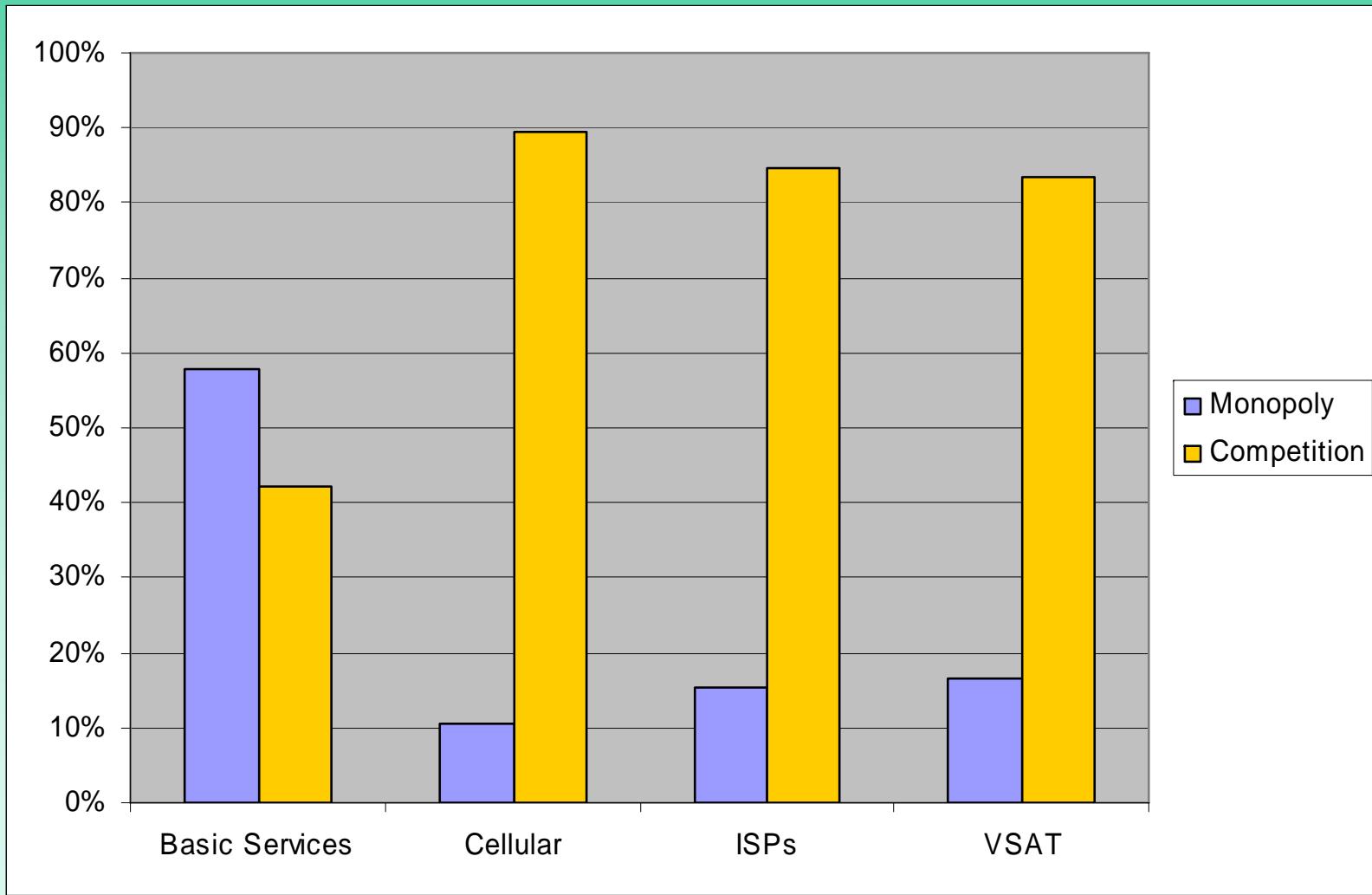
Drivers to growth: Regulation

Growth of Regulatory agencies in LDCs from 1990 to 2005



Drivers to growth: Competition

Level of competition in selected services and networks in the LDCs, 2004



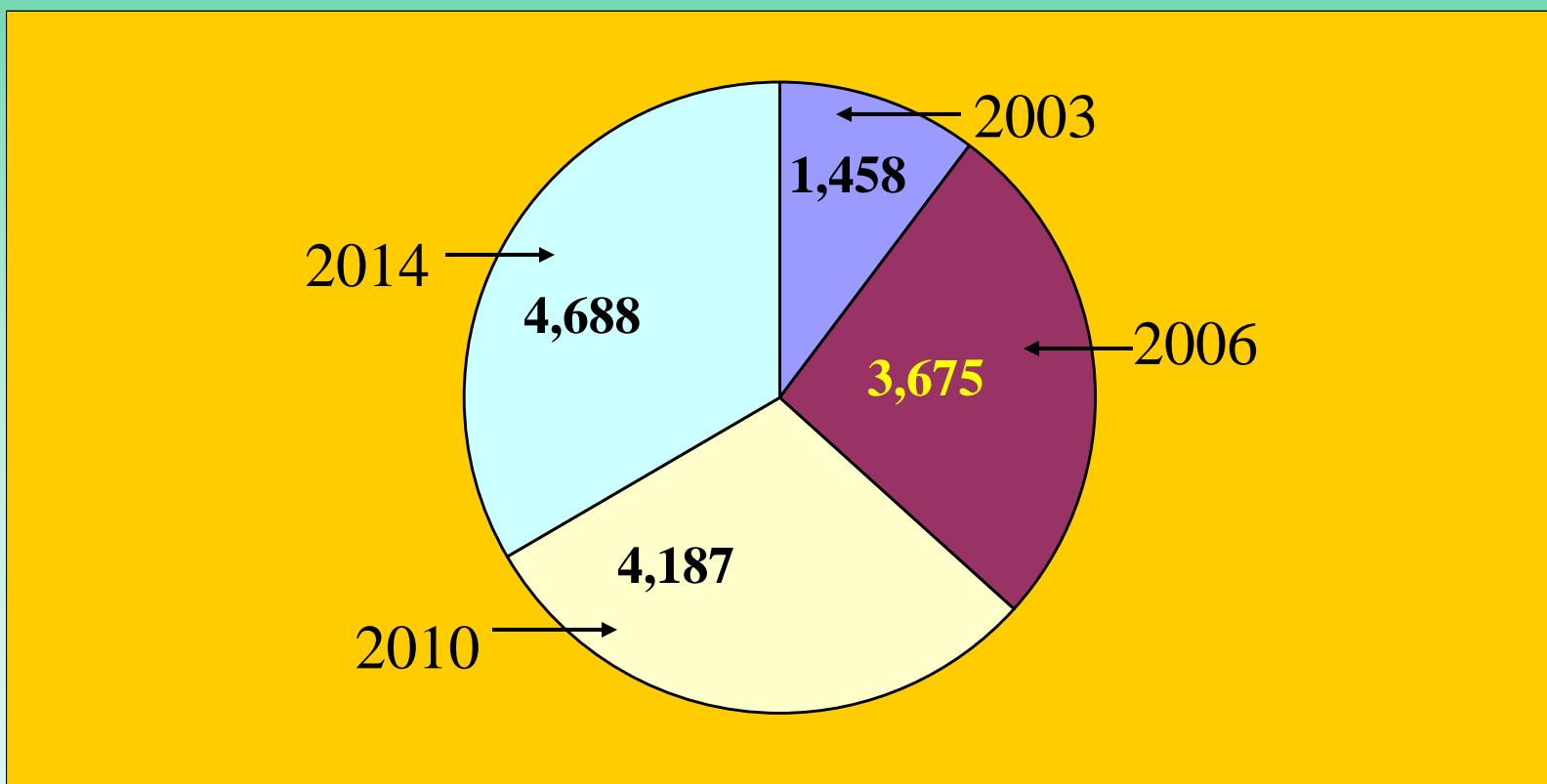
The future is bright

- Political will in LDCs
- New, low cost and affordable technologies (wireless)
- Increased competition: More inflows
- High awareness on role of ICTs



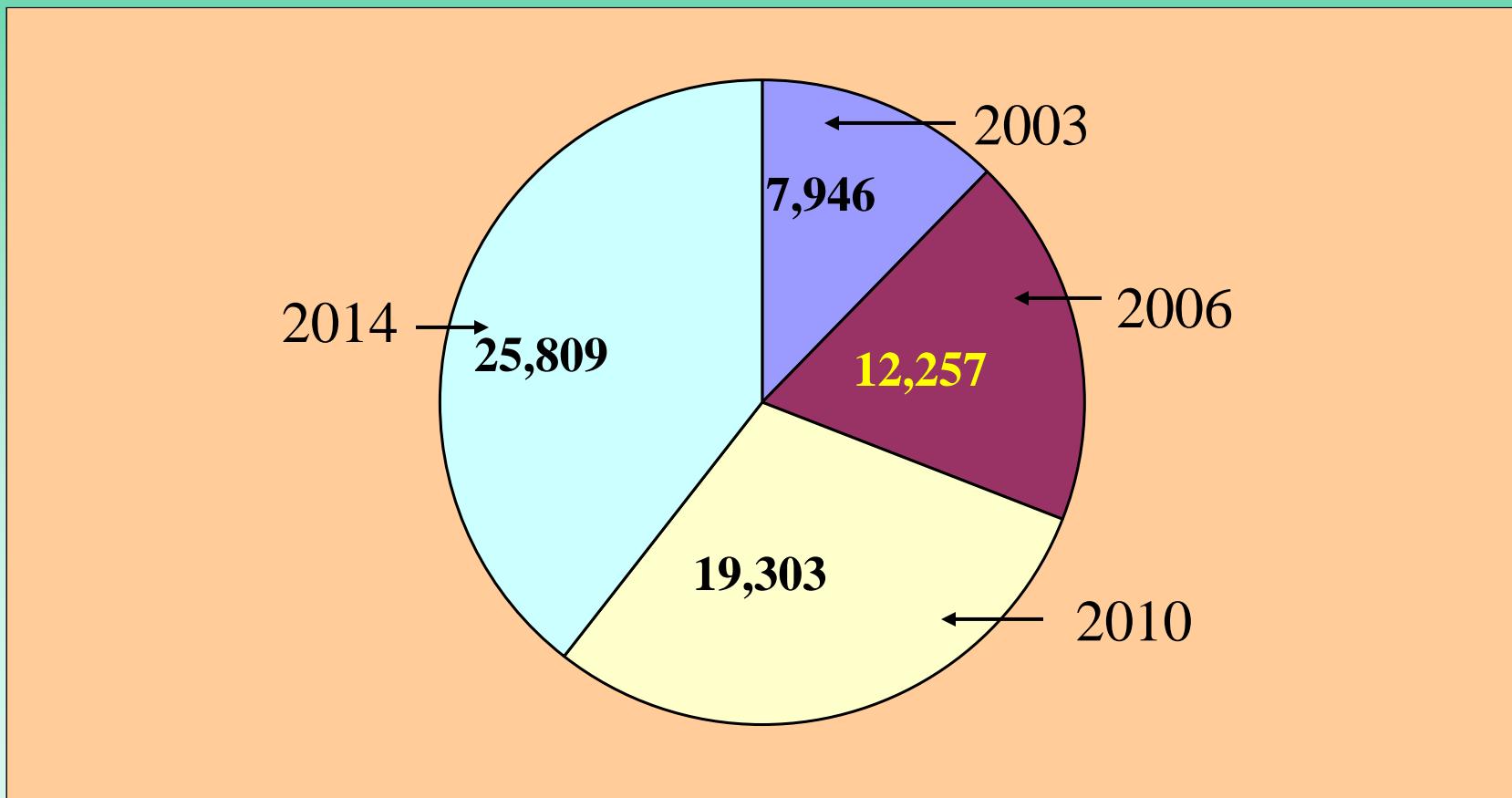
FUTURE OUTLOOK (2014)

LDC CAPEX Estimates (US\$ 'M')

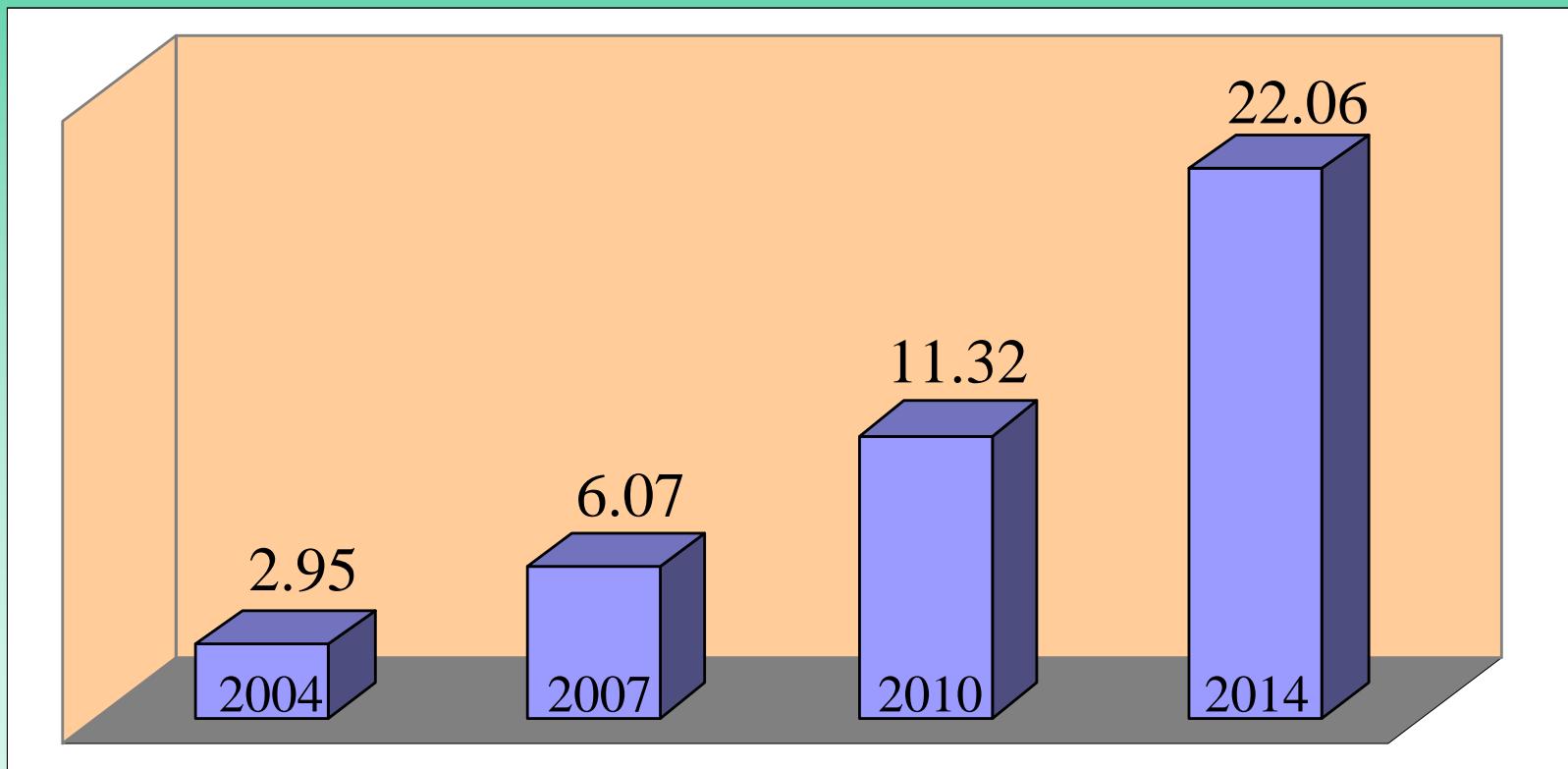


FUTURE OUTLOOK (2014)

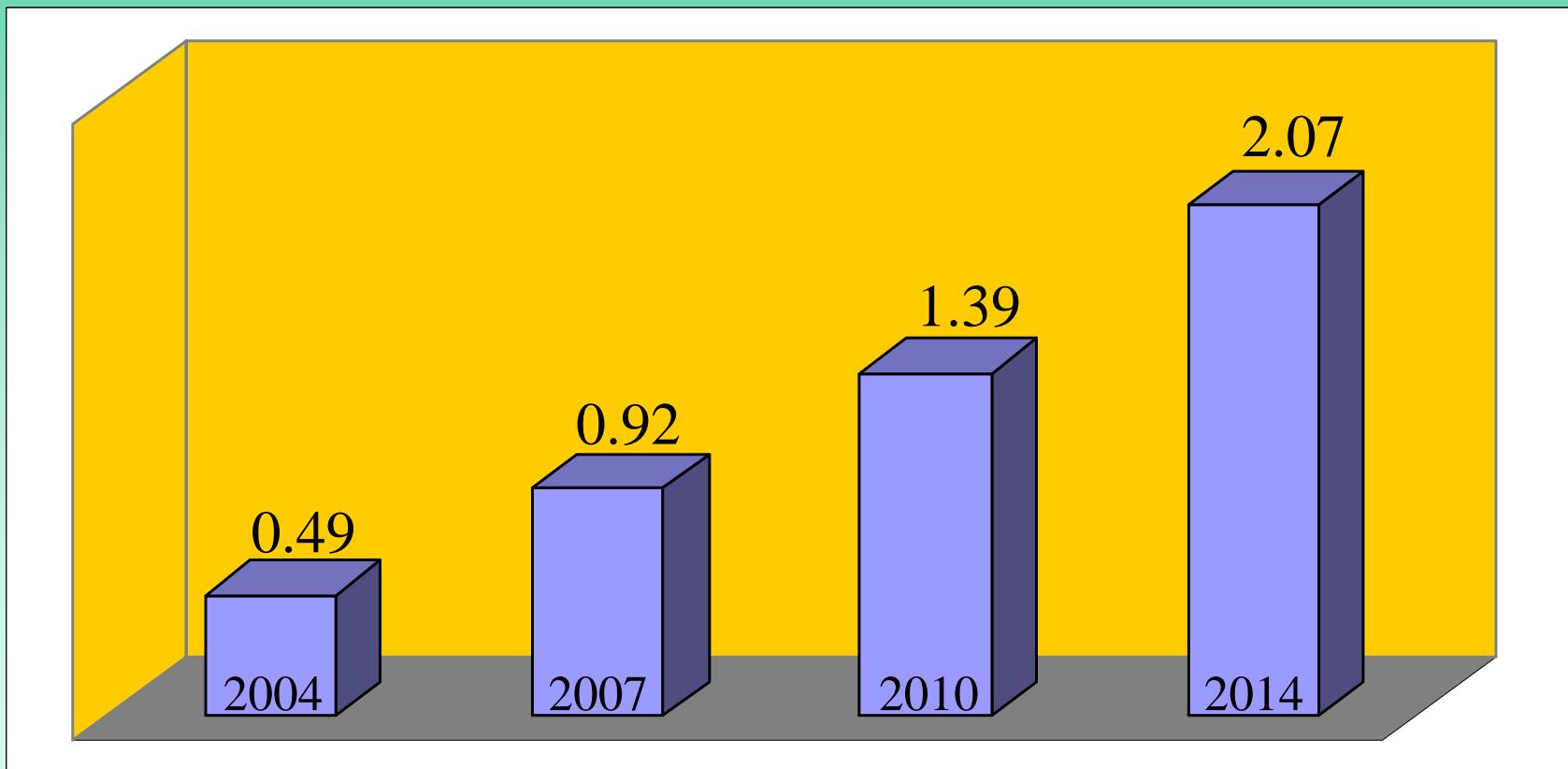
LDC Telecommunications Revenues (US\$ 'M')



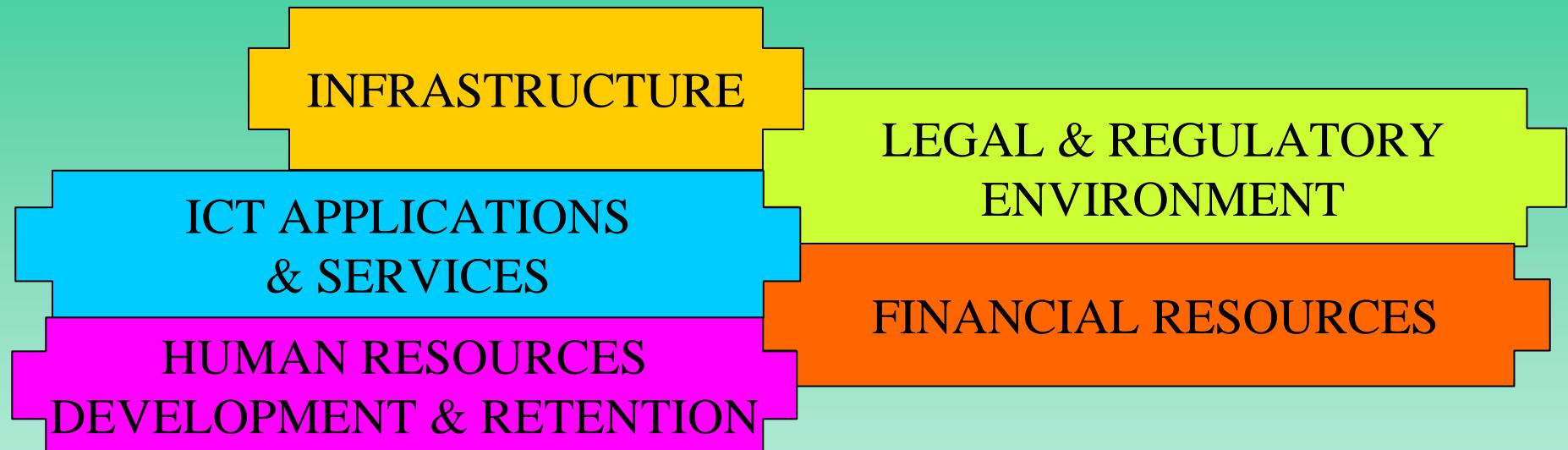
FUTURE OUTLOOK (2014): Teledensities



FUTURE OUTLOOK (2014): Internet penetration



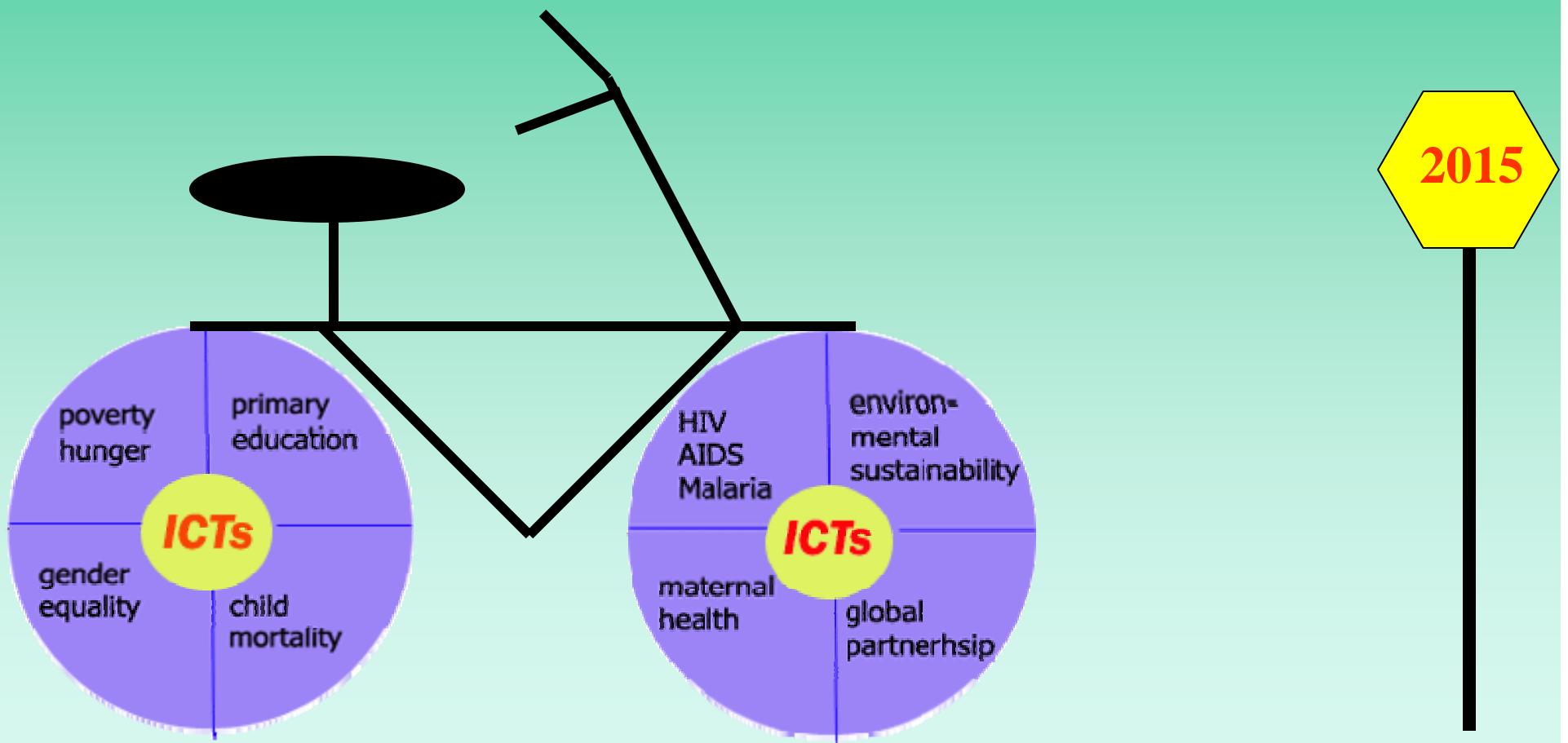
IN THE FINAL ANALYSIS WE NEED...



INFORMATION SOCIETY & ~~DIVIDE~~

DIGITAL DIVIDENDS

CYCLING TOWARDS 2015: ACHIEVING THE MDGs





International Telecommunication Union

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International Telecommunication Union**

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