Setting the Scene: An Overview of Global EcoSystem



WORLD BANK GROUP

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Global Lead Mainstreaming ICTs

World Bank Group

Arab Regulators meeting ITU-INPT May 2015, Rabat

28 %

Proportion of households with Internet access in developing countries in 2013, up from 12% in 2008

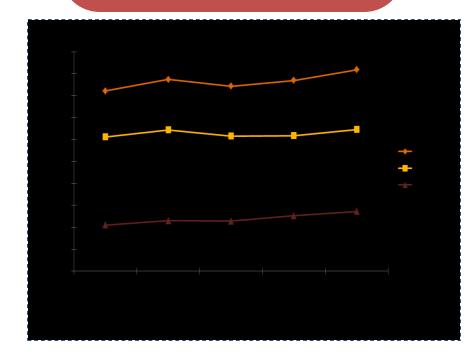
The ICT sector is fast growing and access to ICTs is rapidly increasing in developing countries.

Key Trends

- ✓ Increased adoption of mobile broadband
- ✓ Increased deployment of WiMAX services
- ✓ Increase in data traffic
- ✓ Exploding Global traffic levels (81 Exabyte/month in M&F Bband in 2015)

1.1 bn

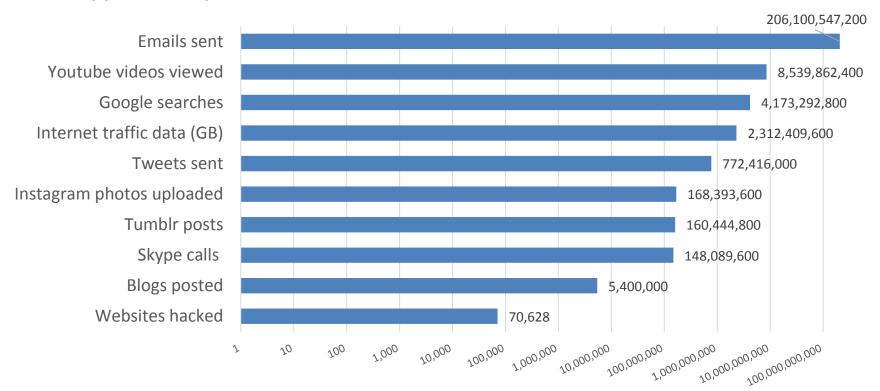
No. of households worldwide that are not yet connected to the Internet, and that 90% of these are in the developing world



There are millions of reasons to like the internet

A typical day in the life of the internet

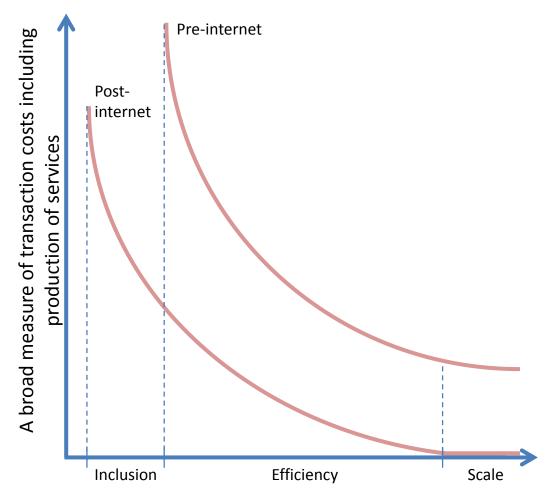
Benefits



Is accelerating development one of them?

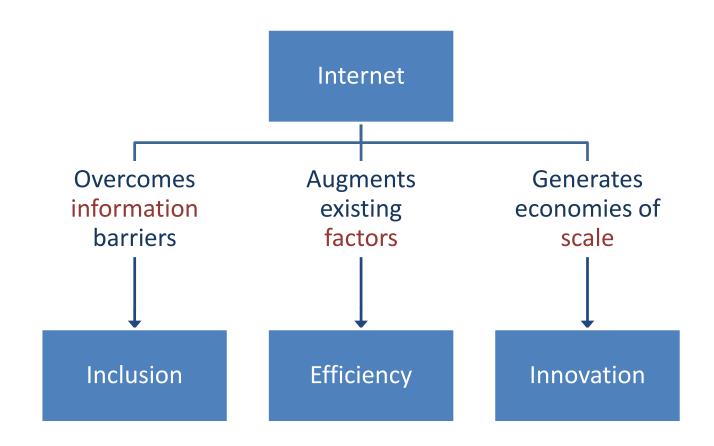
How the internet affects development

Benefits



Transactions, arranged from high to low cost

How the internet affects development



Significant digital divide ...

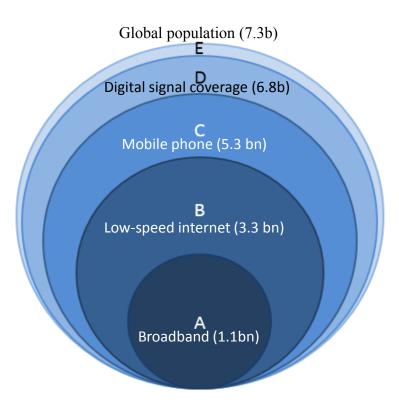
- 6 billion without broadband
- 4 billion without internet
- 2 billion without mobile phones
- 0.5 billion without a digital signal

Benefits

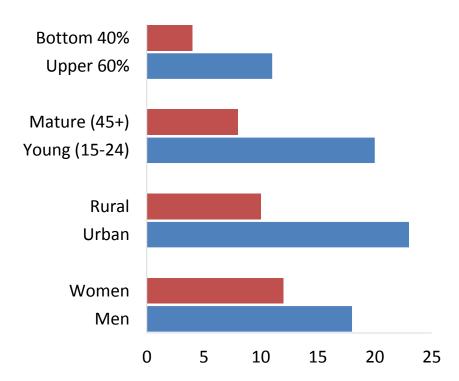
Policy

Significant digital divide

World: The internet is yet to reach most of the poor

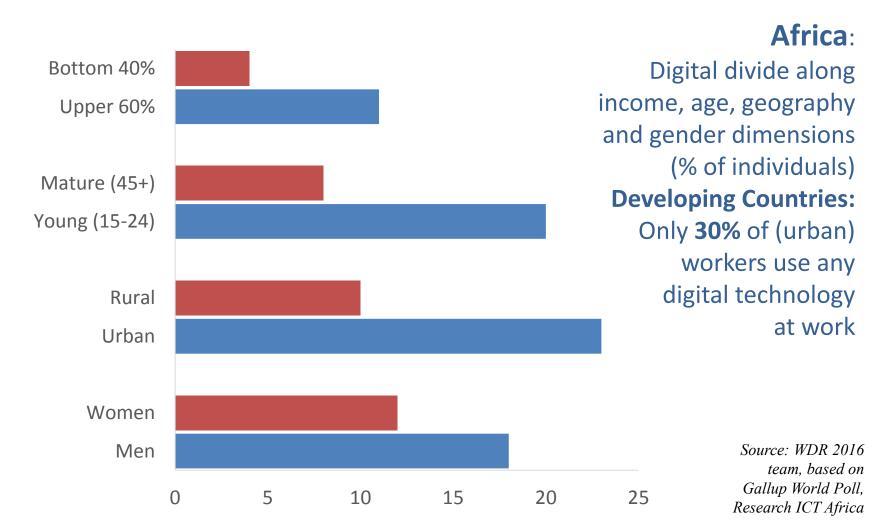


Africa: Digital divide along income, age, geography and gender dimensions (% of individuals)



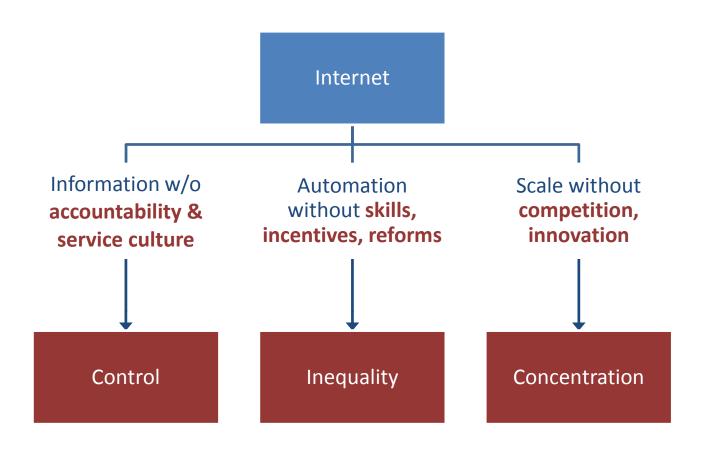
Benefits

... and persistent disparities in access



No digital transformation without strong analog foundations

Benefits



The Opportunity

Improving access to broadband Internet service is an increasingly critical step toward economic and social inclusion.

Raising Internet penetration in all developing countries from the current level of approximately 35% of the population to 75% would add as much as \$2 trillion to their collective GDP and create more than 140 million jobs.

ICT empowers workers

Microwork

\$1billion estimated market size and could grow to about \$5 billion in 5 years (Odesk)

Online contracting

70% of businesses hire freelancers to fill a temporary talent gap in their organization
- Elance -

Job matching

Users (job seekers)

1million

Employers 60,000

- Babajob -

Impact sourcing

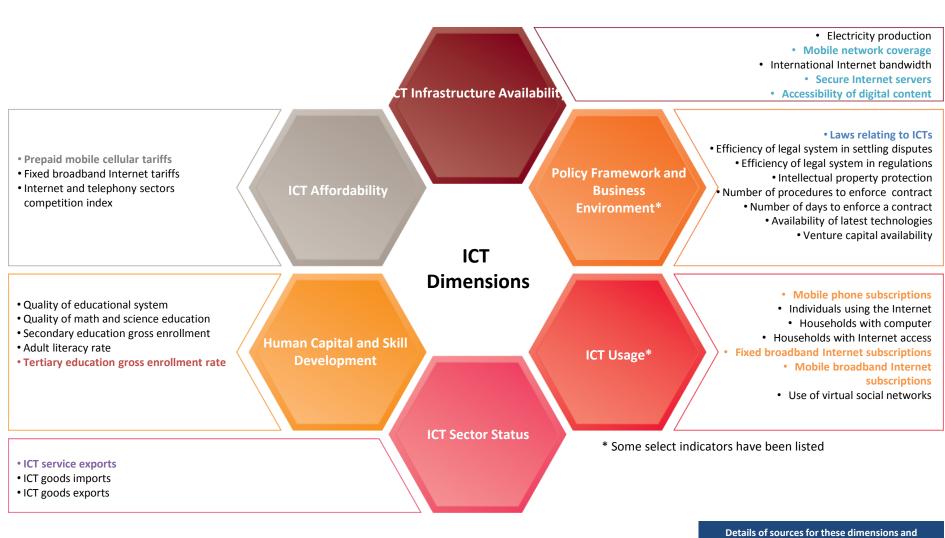
Helps increase employees' incomes between 40% and 200%
- Accenture -

The Challenge

- Availability: Only about 35% of the population in developing countries has access to the Internet (versus about 80% in advanced economies).
- Affordability: The cost of broadband subscription in the developing world averages about 30% of GDP (versus 5% recommended by A4AI & less than 2% in advanced economies,).
- Capability: More than half of ITC regulators still have a traditional telecom focus, according to the UN Broadband Commission, and markets are not conducive to modernizing investments.

To reach the goals for availability and affordability, the policy environment must be updated to (1) boost competition and (2) create incentives to better exploit existing networks and (3) to create new, faster ones. Often, an essential step by regulators is unifying a fragmented regional market (low cost, capital intensive, high impact)

Dimensions and indicators of ICT



indicators are provided in the detailed study

Why

The digital agenda:

Making internet access universal, affordable, open and safe

Supply side issues

- Competition policy
- Effective telecom/internet regulation
- Optimizing Infrastructure investments
- Improve revenue sharing models
- Public-private partnerships
- Agile, cross-cutting regulation
- A new deal is needed

Demand side issues

- Multi-stakeholder governance model
- Content, Quality, Censorship
- Protecting personal privacy
- Cybersecurity
- Skills for digital jobs





"On the Internet, nobody knows you're a dog."

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DRAFT: NOT FOR QUOTATION OR CIRCULATION

Analog foundations for a digital economy

Regulations that promote competition, investments and entry

- Remove barriers to entry, adoption, roll-out
- Competition regulation and enforcement
- Platform/Infrastructure level competition
- Encourage innovation on business models and sharing

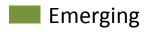
Skills to leverage digital opportunities

- Foundational skills and basic ICT literacy
- Education Reform at all levels for ICT citizens
- Prepare for a career and not jobs- life long learning

The internet can help improve these complements

Capable, agile and accountable institutions

- Mobile phone based services and monitoring for citizens
- e-government delivery for citizens and businesses
- Participatory policymaking and digital engagement



Benefits

