

ITU Regional Economic and Financial Forum of Telecommunications/ICT for Africa

Victoria Falls, ZIMBABWE, 30-31 January 2017

ICT Trends and Developments in Africa

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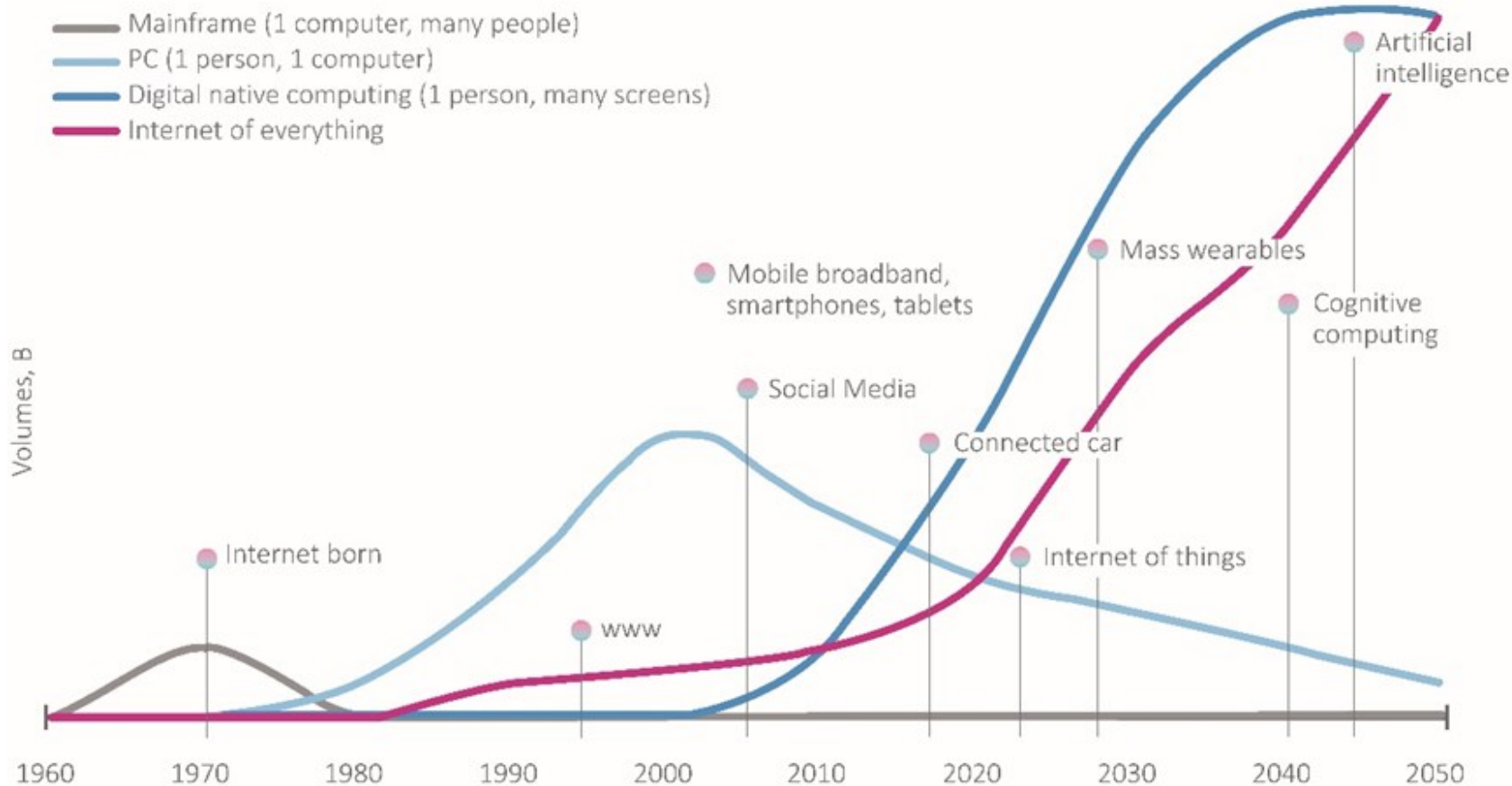
Introduction

- The ICT sector is recognized as a critical backbone of socio-economic development. It affects all facets of society, health, education, tourism, governance
- Adoption of broadband-enabled mobile devices has made access to the digital world more ubiquitous and pervasive.
- ICT industry has moved from distinct infrastructure platforms and connected devices to an interconnected ecosystem of computing.
- Despite tremendous growth in connectivity, **3.9 billion people – 53% of the world's population** – was still offline by the end of 2016.



History of the Future

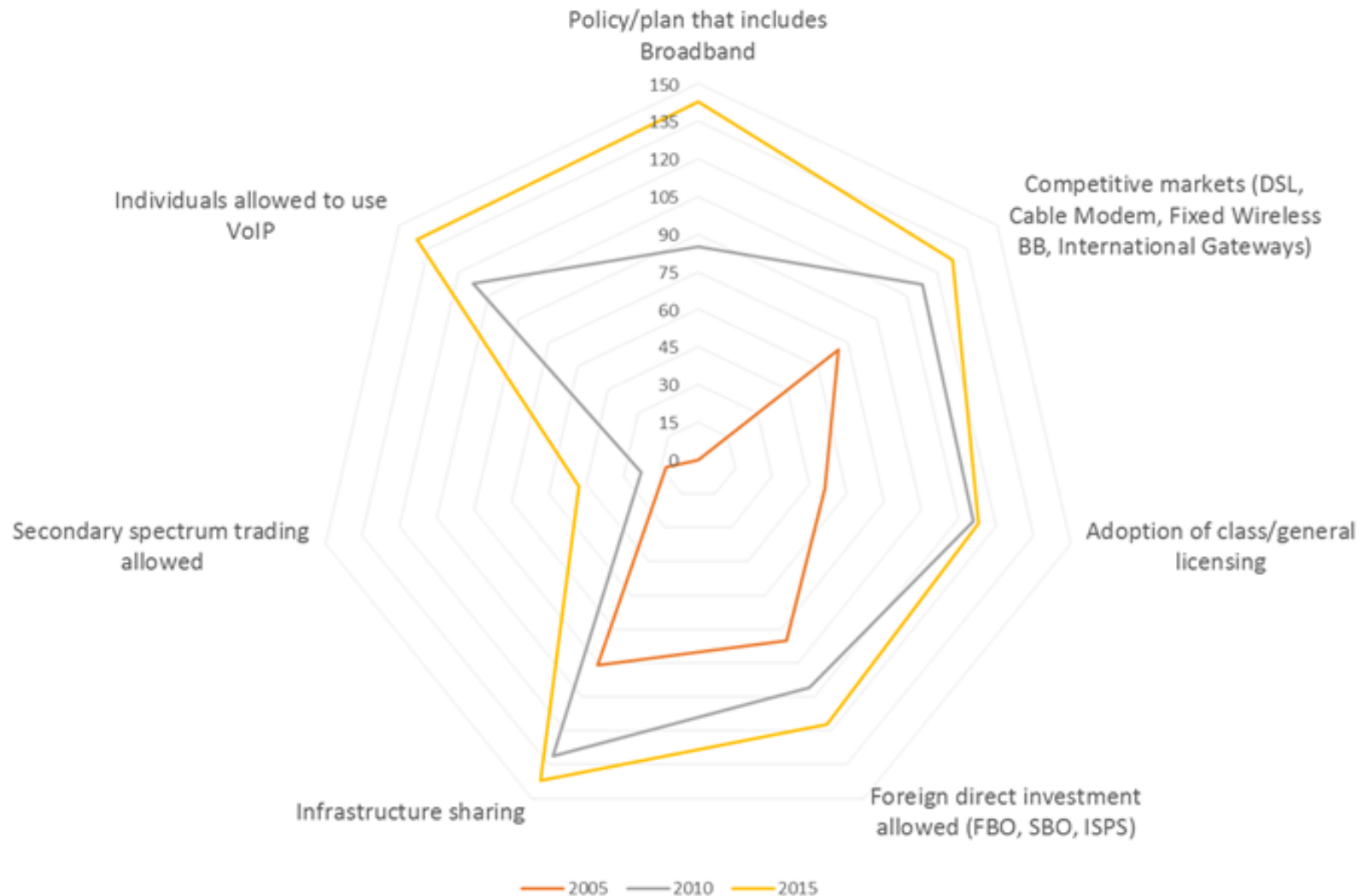
One to many to any: ICTs from happy few to the masses



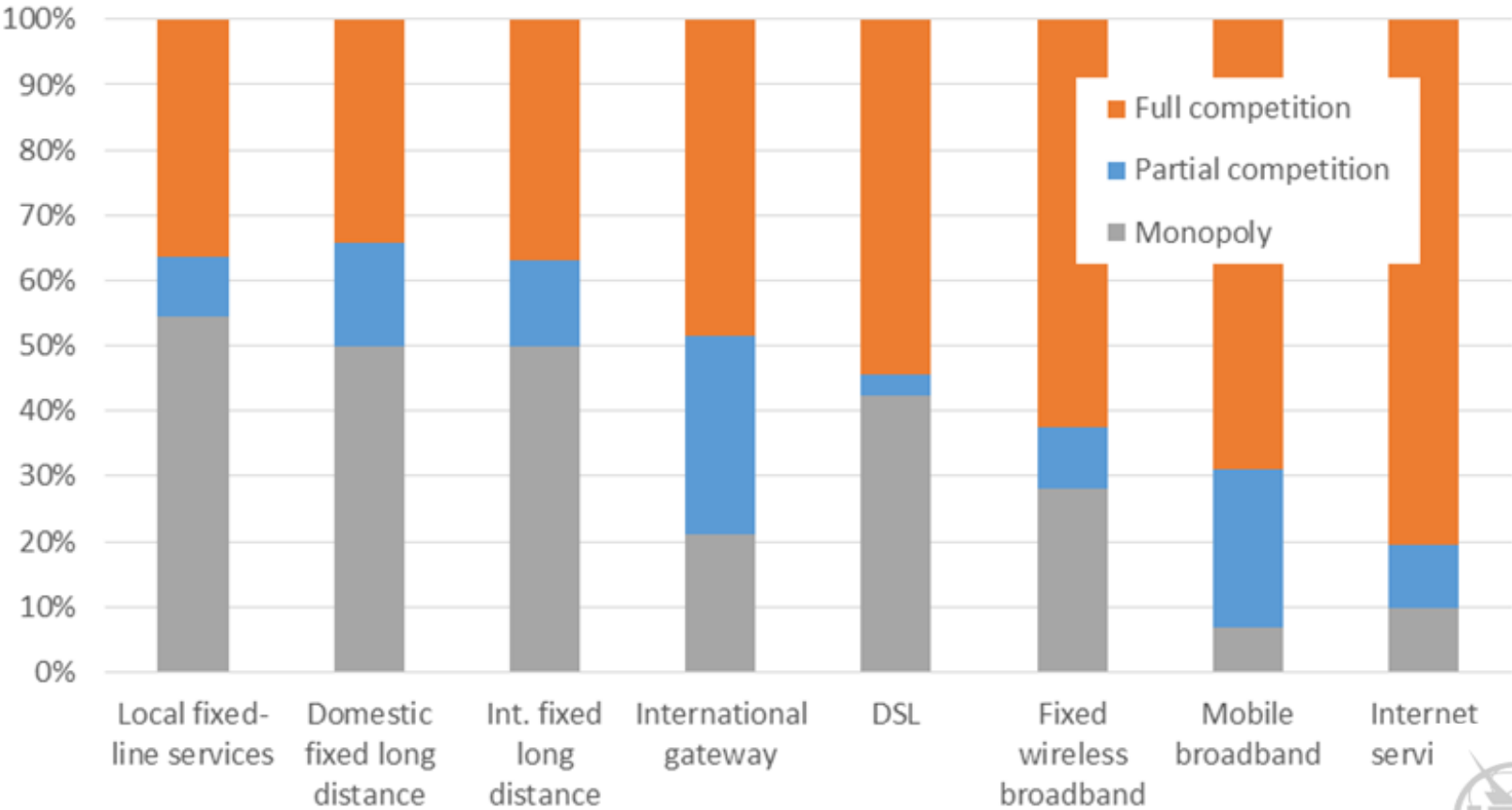
- Technology has moved from being uncommon and difficult to use to being pervasive, intuitive, and more user-friendly. Digitization has accelerated technological developments over the last two decades



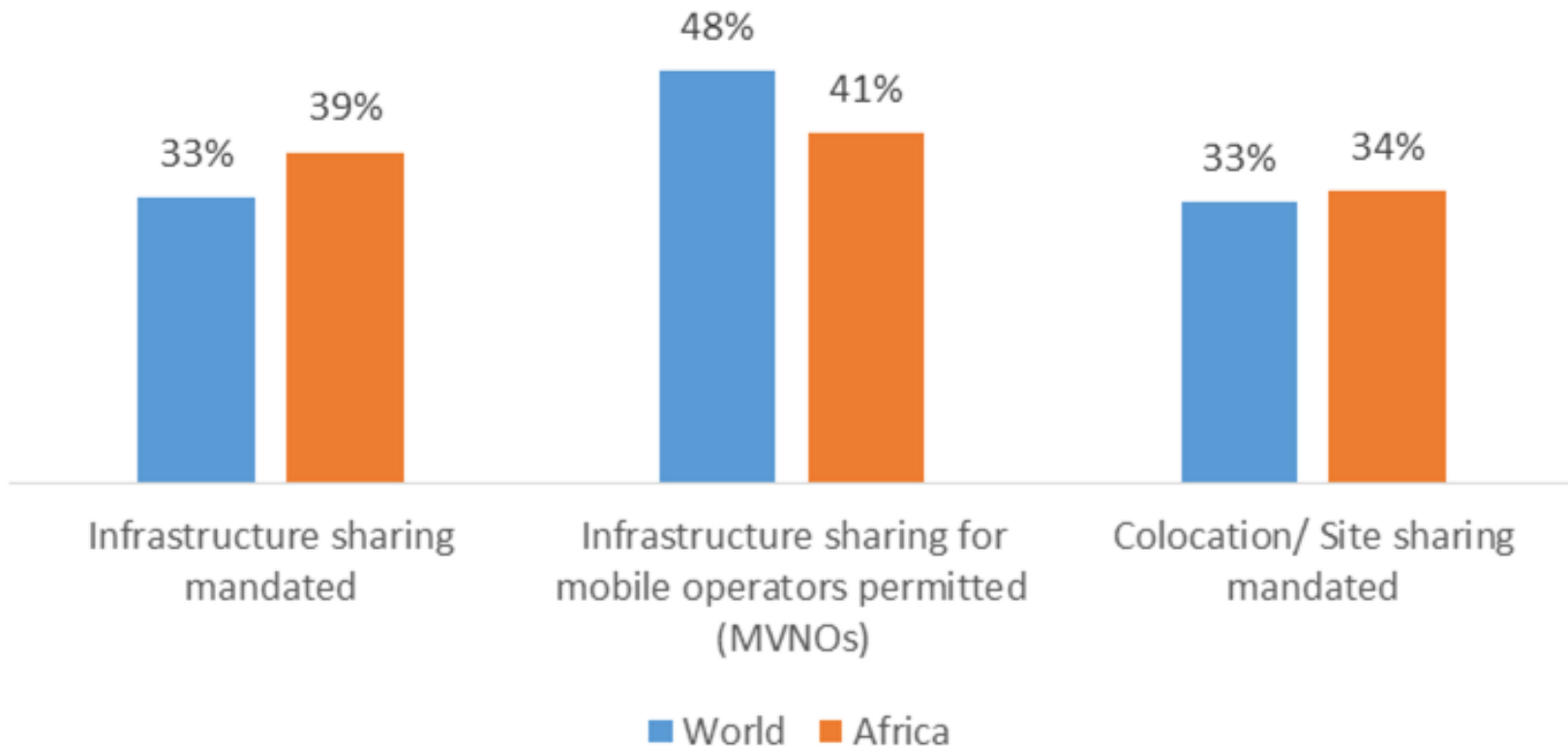
Which regulations have shaped the ICT sector? 2005-2015



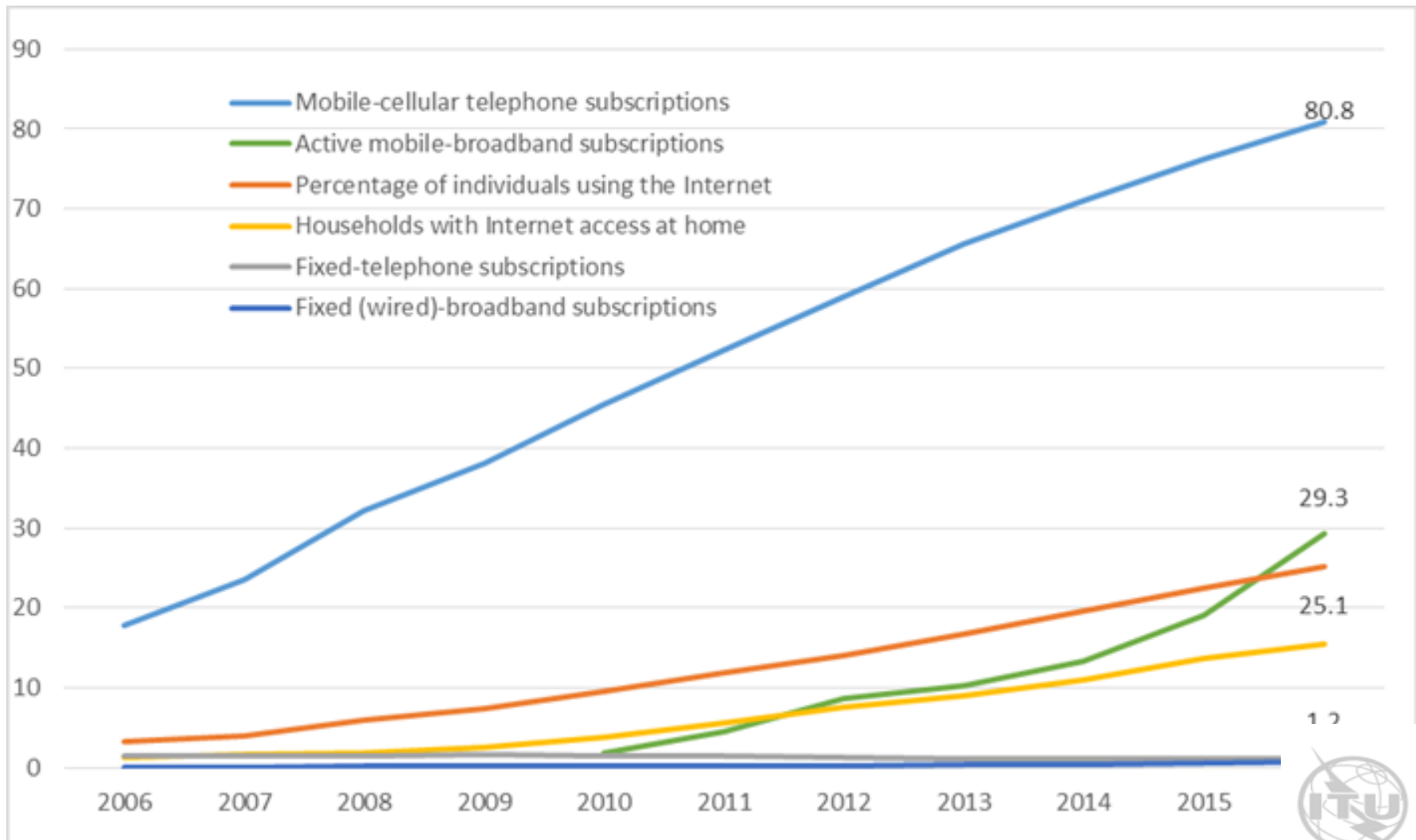
Competition in selected African Markets



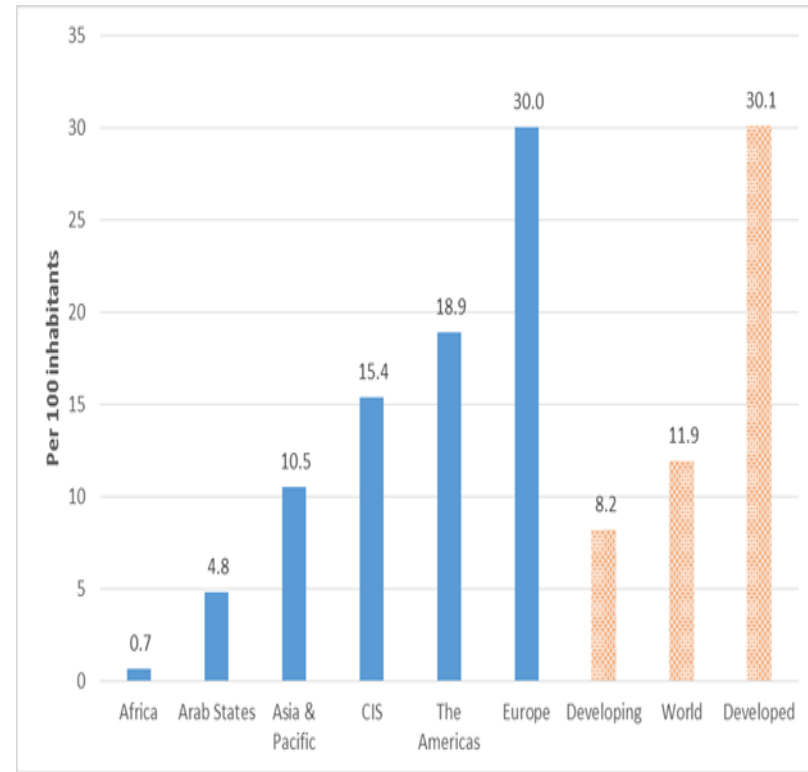
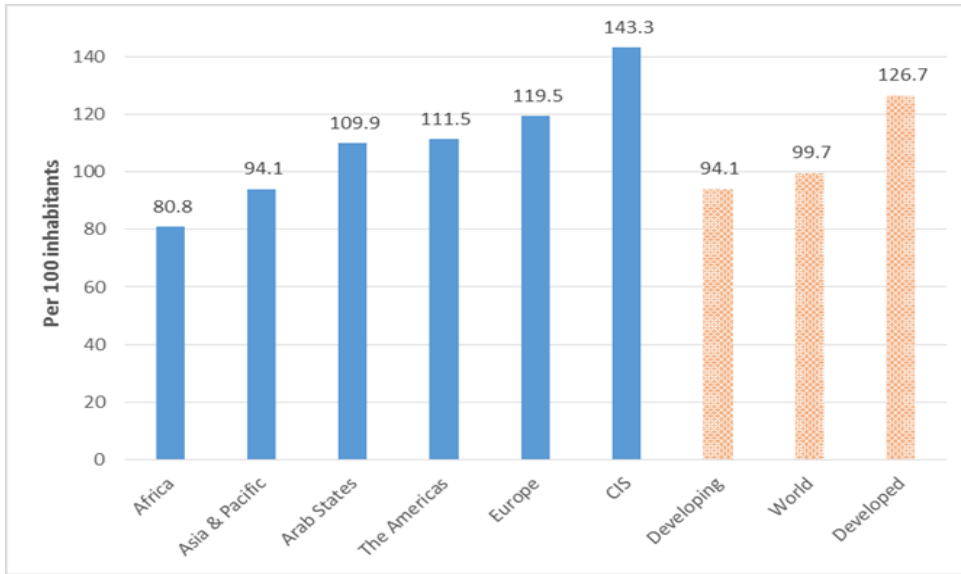
Infrastructure Sharing - Africa



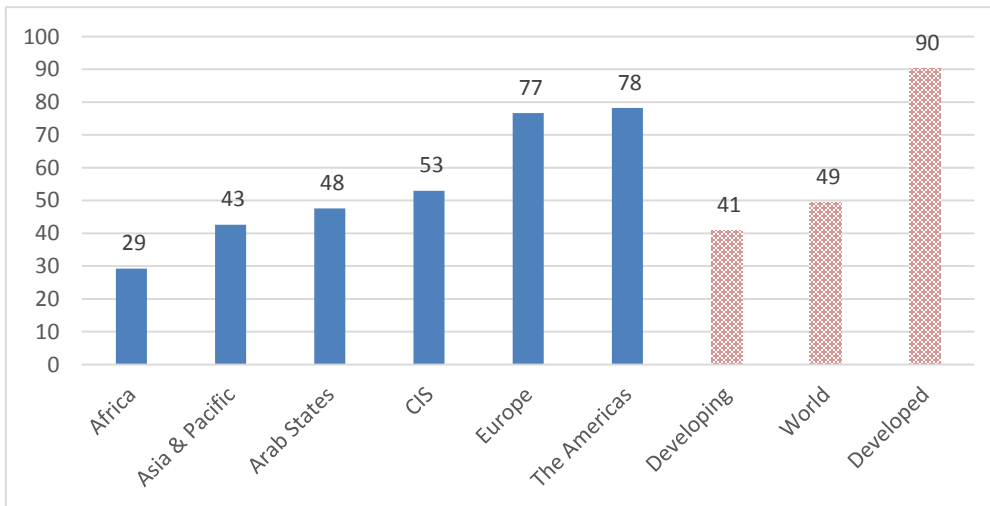
ICT Market Trends- Africa



Mobile Subs per region



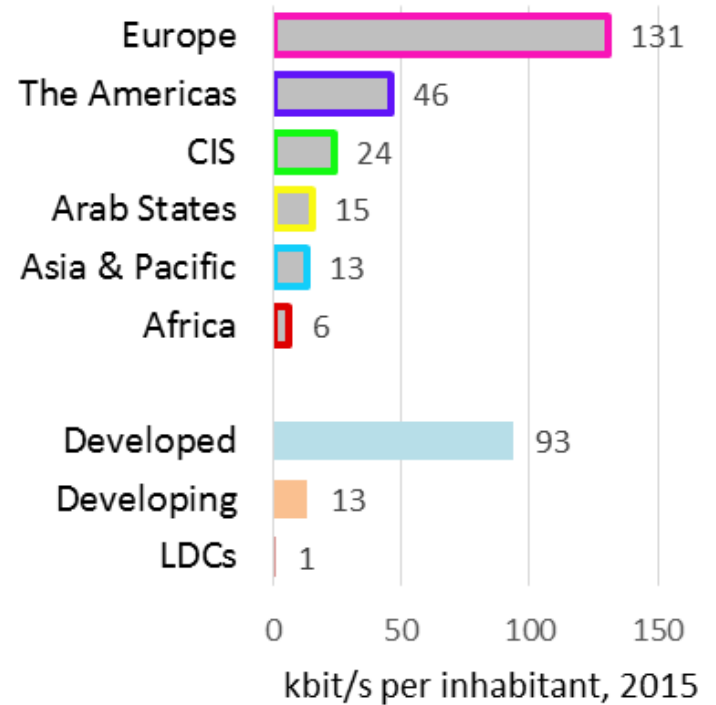
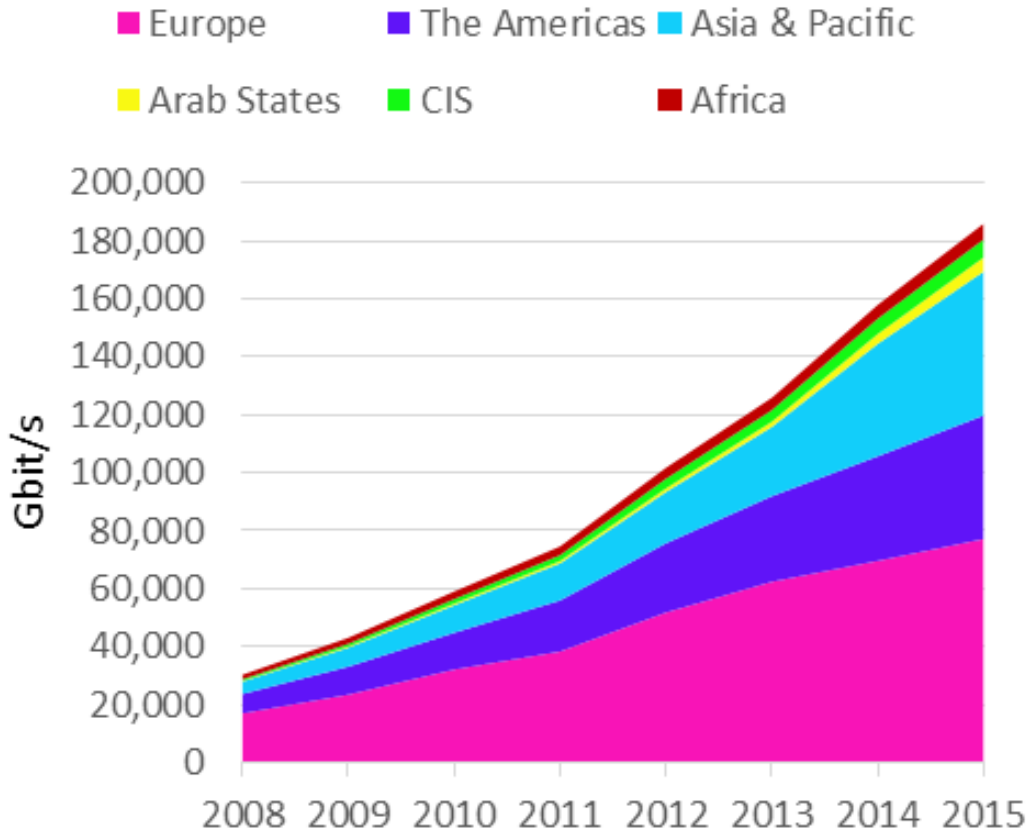
Mobile Broadband Subs

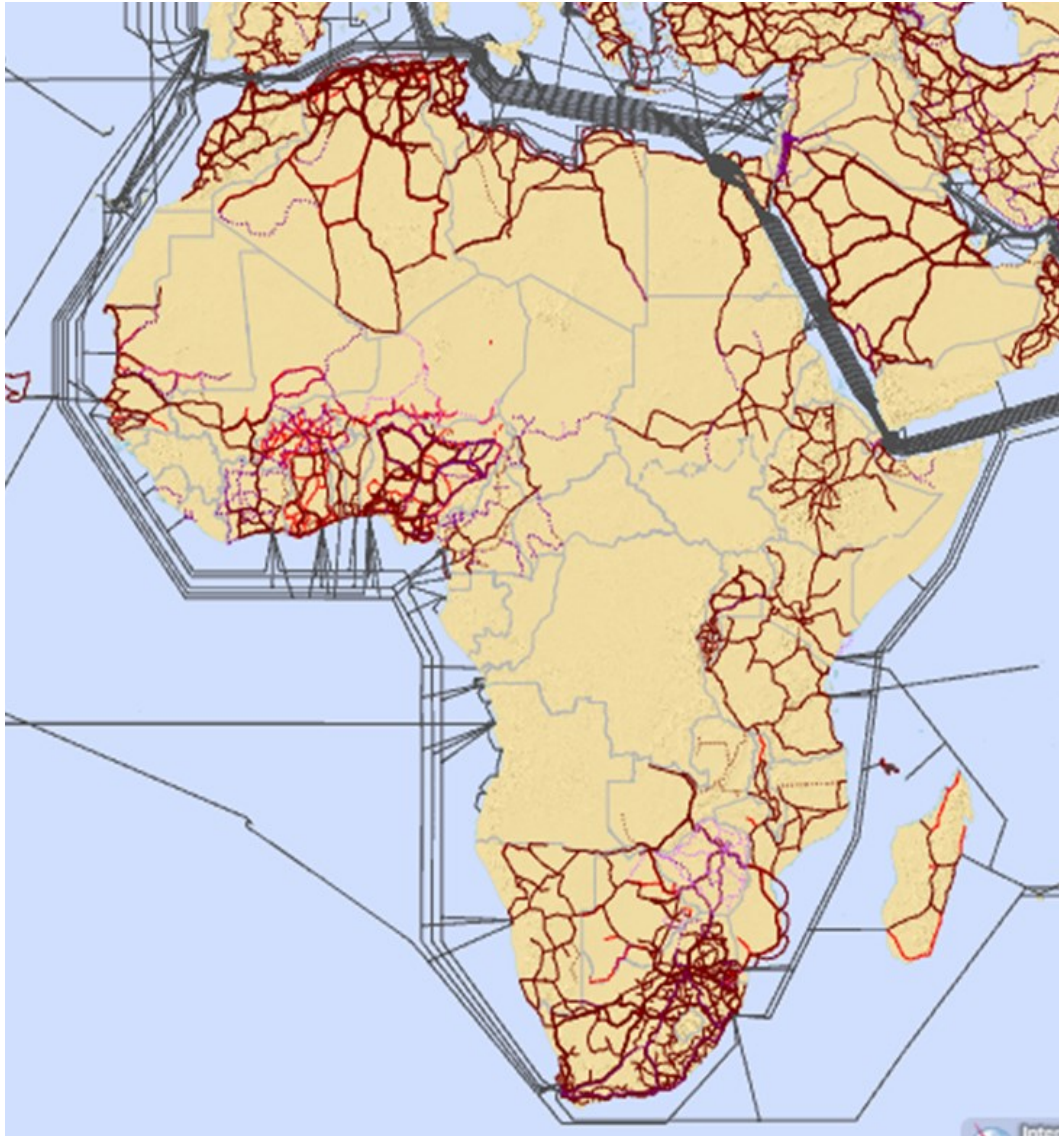


Fixed Broadband Subs



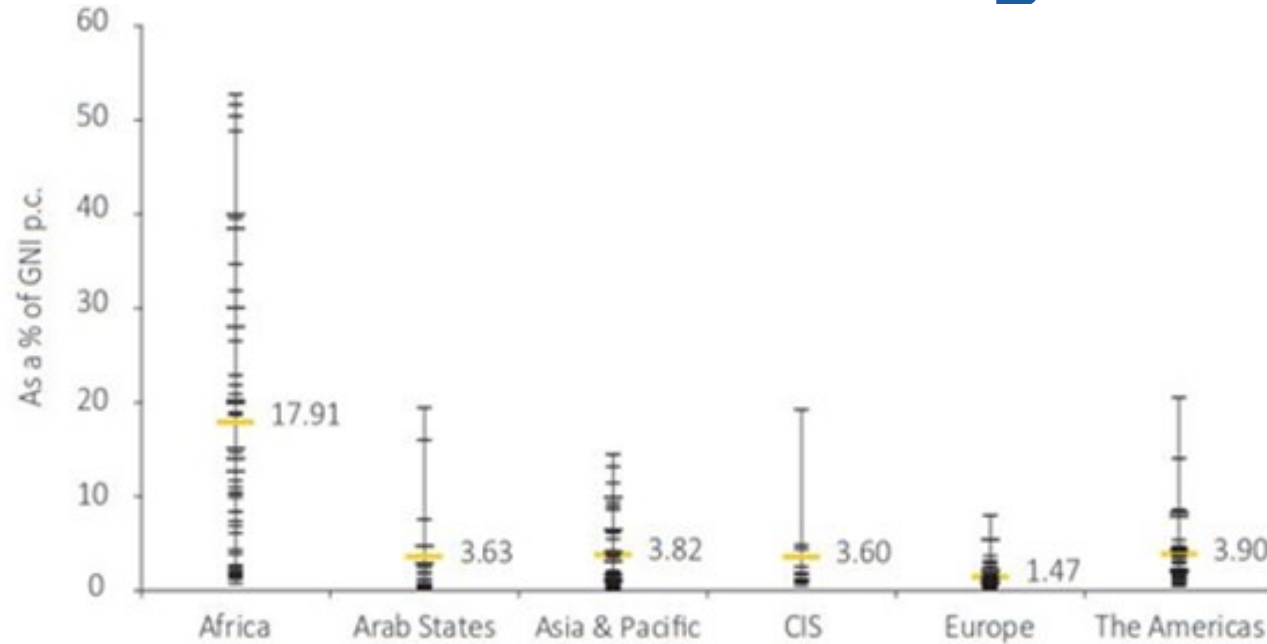
International Internet Bandwidth by regions, 2015



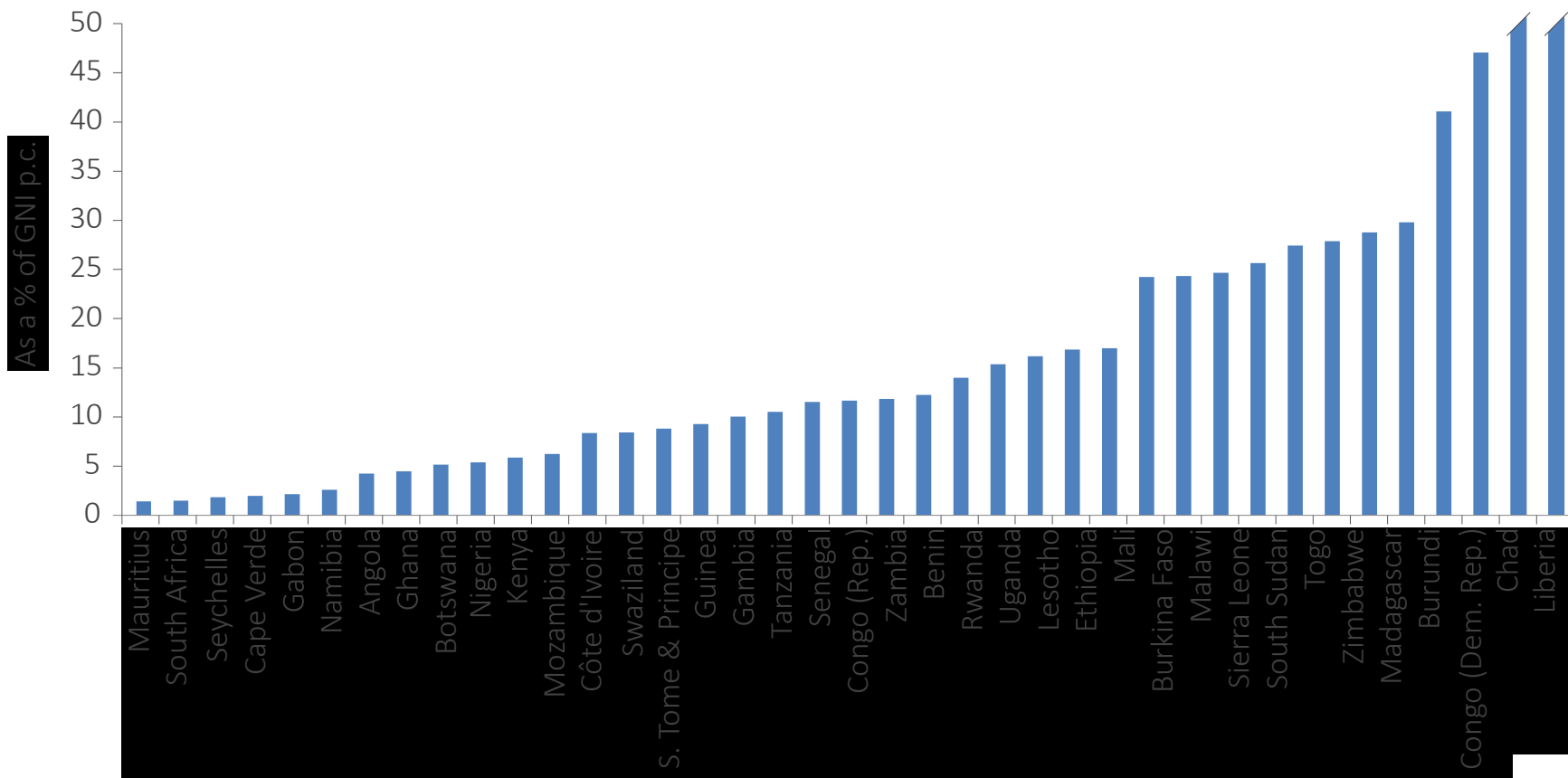


- More options for IIC on the East and West coast has led to a reduction in cost
- Inward connectivity at competitive rates and deployment of domestic broadband networks crucial
- This coupled with national broadband policies that promote investment, access & affordable pricing
 - E.g. extending government services over the internet
 - WIFI Hot spot cities

Price and affordability of ICTs in the African region



Prepaid handset-based mobile-broadband prices (500MB per month) as a percentage of GNI p.c. in the African region, 2014



Conclusion

- Notable improvements in ICT Access and usage in Africa over the decade- But STILL lagging behind
- Mobile the bright spot for Africa- Investment in 3G and LTE crucial
- Improve last mile broadband access and usage- broadband at home-
- addressing affordability is essential
- Cross-sectoral nature of ICT - calls for collaborative regulation (cooperation and communication between regulators and industry, users & all stakeholders)

