

BDT's activities on Enabling Environment & financing

**Dakar, Sénégal
17 – 18 Mars 2010**

Makhtar FALL
makhtar.fall@itu.int

RME / POL / BDT
International Telecommunication Union

Agenda

- Introduction to ITU
- Situation of ICT development
- Trends on regulatory reform
- Cost modeling activities
- More information

ITU in brief

- Leading United Nations Agency for ICTs.
- 191 Member States, 566 Sector Members
- Three sectors:
 - **Radiocommunication**
 - **Standardization**
 - **Development**
- ITU TELECOM Events



ITU-D: Your Partner for ICT Development

- ITU-D is a catalyst for multi-stakeholder partnerships
- Mobilize human, technical and financial resources
- Neutral broker between government and industry
- Executing agency for project implementation and expert assistance to countries

Development Activities

Enabling Environment

Emergency Telecommunications

Infrastructure/Access

Regional Initiatives

Capacity Building

Special Initiatives

Cybersecurity & E-Applications

Statistics & Market Information

Enabling Environment

Objective:

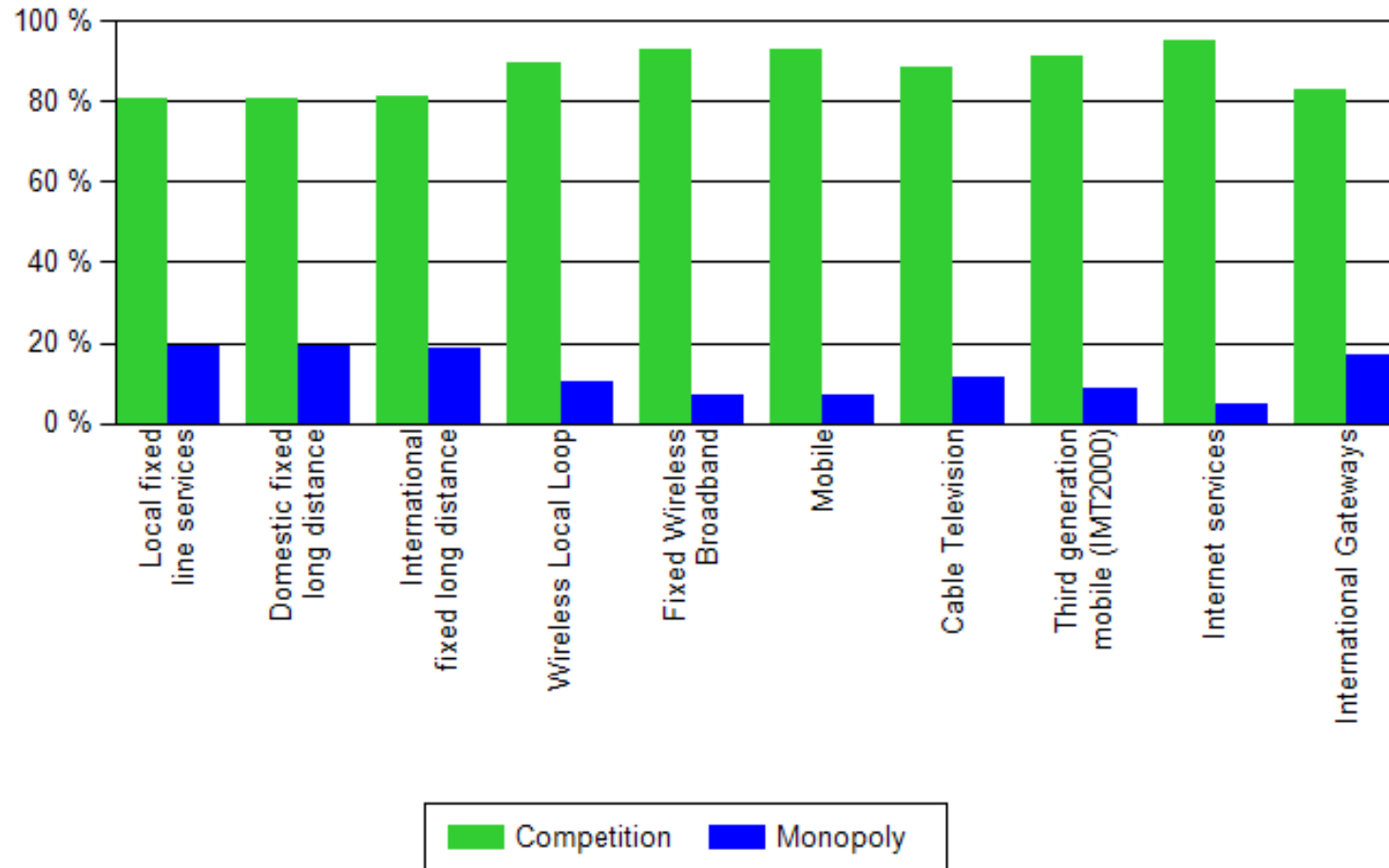
- Establish enabling environment for ICT investment through attractive policy/regulatory frameworks

Actions:

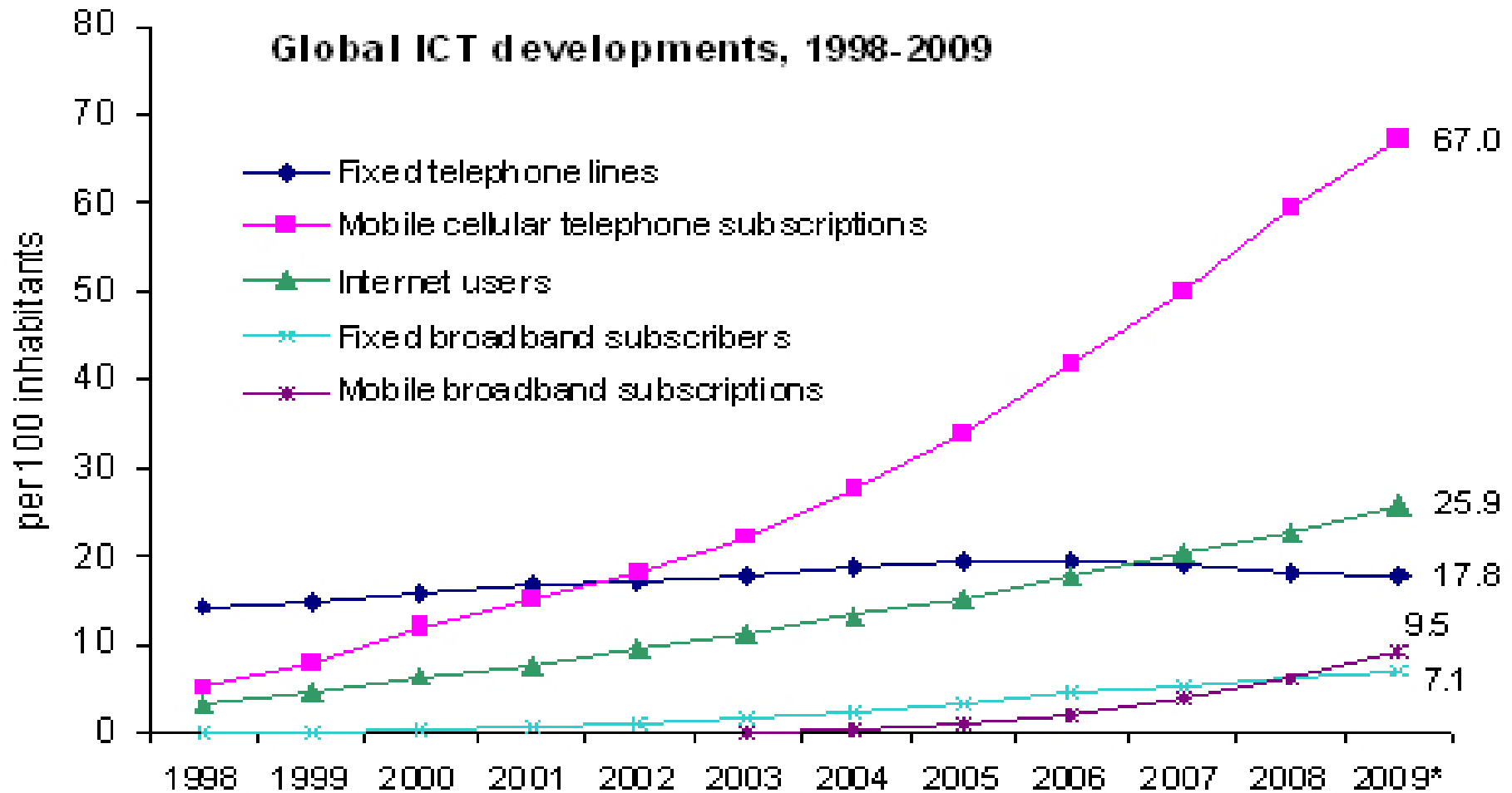
- Support regional harmonization efforts
- Guidelines, tool kits, best practices, information sharing
- Global Symposium for Regulators (GSR) and Global Industry Leaders Forum (GILF)
 - Bring together senior policy-makers, regulators & industry



Competition in basic services, World 2009

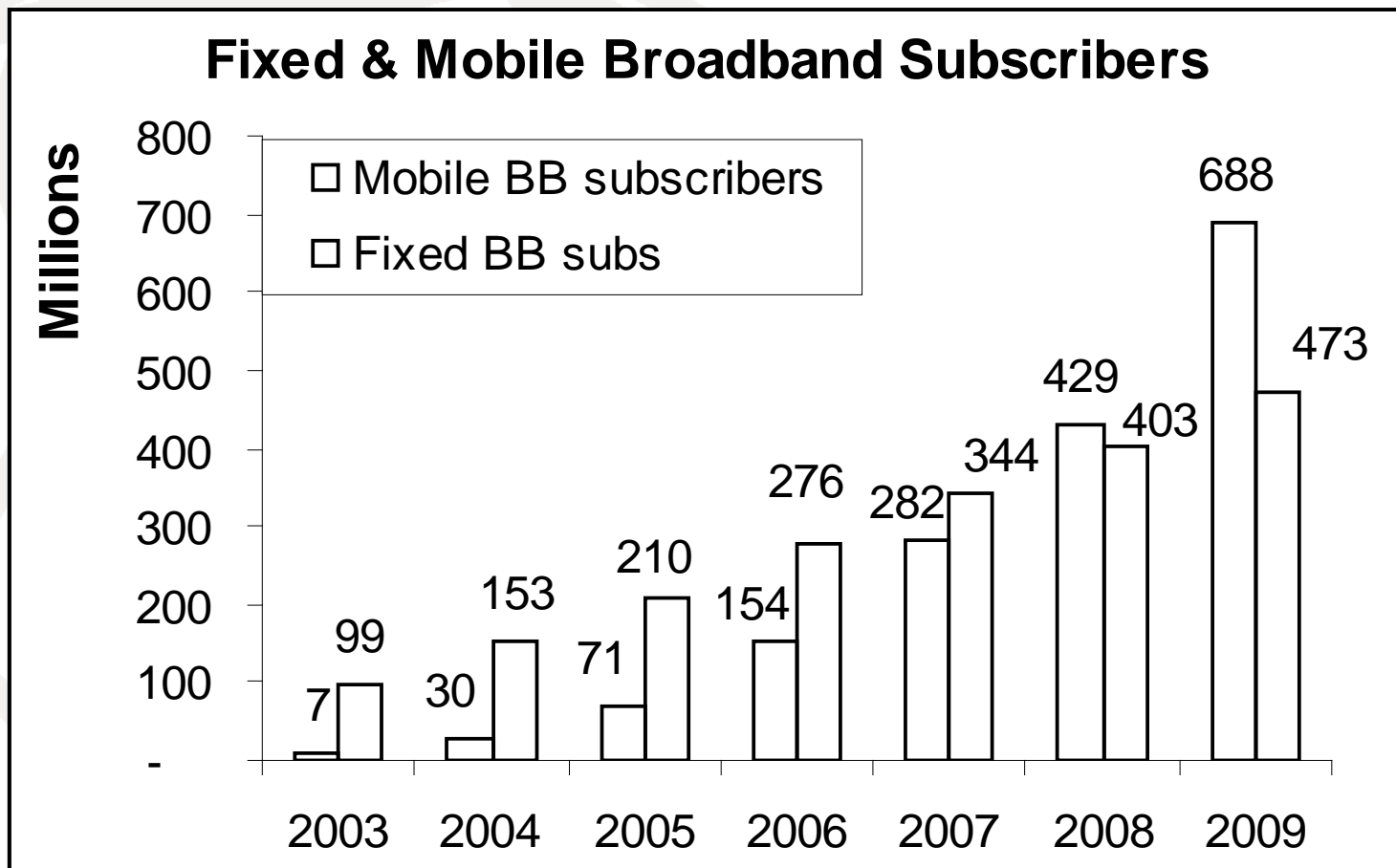


Source: ITU World Telecommunication Regulatory Database.



Source: ITU World Telecommunication/ICT Indicators Database

Mobile broadband overtook fixed broadband in 2008 & growing fast



Source: ITU World Telecommunication/ICT Indicators Database.

Second wave of regulatory reform

- **Independent converged regulators**
 - From separate telecom & broadcasting regulatory institutions to converged regulatory institutions with responsibility for content
- **Licensing**
 - From service licenses to general authorizations, unified & class licenses
 - From technology-specific licenses to technology-neutral licenses
- **More flexible spectrum allocation**
 - From administrative approach towards flexible spectrum allocation practices (sharing, trading, etc.) for new access networks
- **Network & bottleneck facilities**
 - From exclusive ownership to passive & active infrastructure-sharing
 - Open access to network and bottleneck facilities (fibre backbones, LLU)
 - great national gateway liberalization
- **Universal access & services**
 - From fixed-line voice towards broadband universal access

Regulatory challenges today

- **Competition policy**
 - Significant market power will not go away in an NGN environment
 - Open access is key to growth in the sector
- **Investment**
 - Unbundle or share: what impact on investment in ICTs?
- **Pricing**
 - Will NGN offer prices that are significantly lower than those available today?
 - Spectrum pricing, MTR
- **Bundling and billing:**
 - How to distinguish real price of bundled services?
- **Interconnection**
 - Will current interconnection models work in an NGN?
 - To regulate or not IP interconnection?
 - IP & VoIP interconnection: towards cost-based pricing and flat rates?
- **Net neutrality**
 - How to deal with traffic prioritization?
- **New converged services**
 - What level of universal service obligation to impose?
 - To regulate or not content, and how?
 - Convergence of telecoms and non telecom services such financial services, how to regulate?
- **Security**
 - Cybersecurity threats, privacy and identity management issues

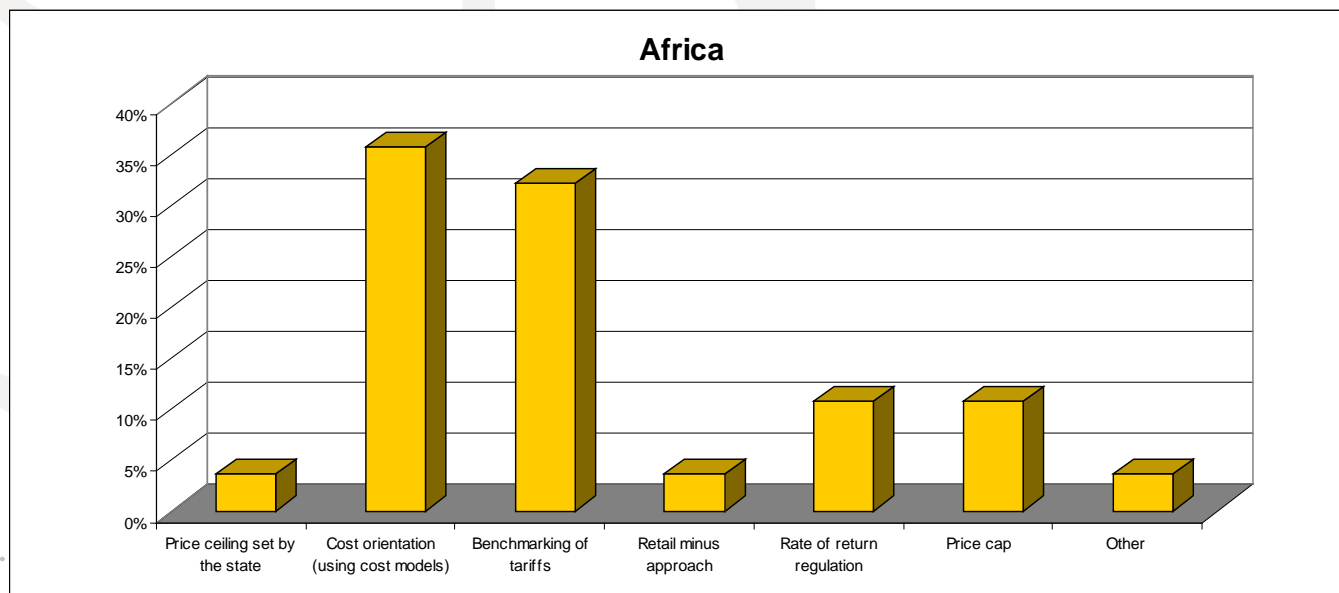
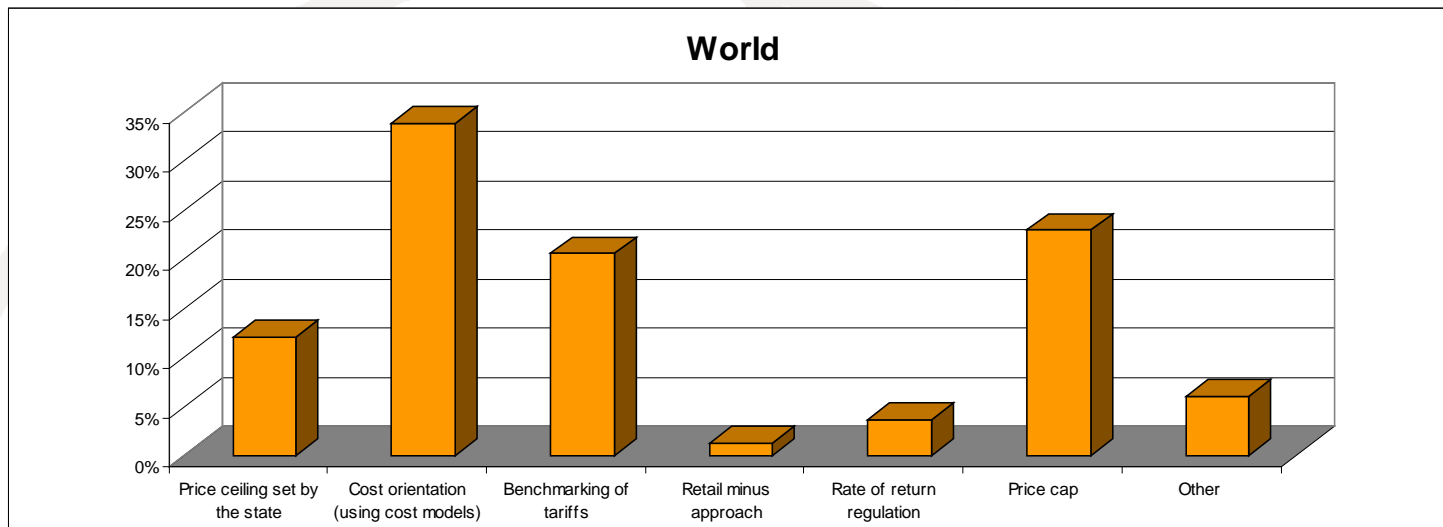
Cost modeling tools

- International mobile roaming,
- The impact of international gateway liberalization,
- Regulatory accounting Guide,
- Efficient Network implementation Guide.
- Tariffs policies survey
- And other interesting studies published in the ITU-D finance website

www.itu.int/ITU-D/finance/

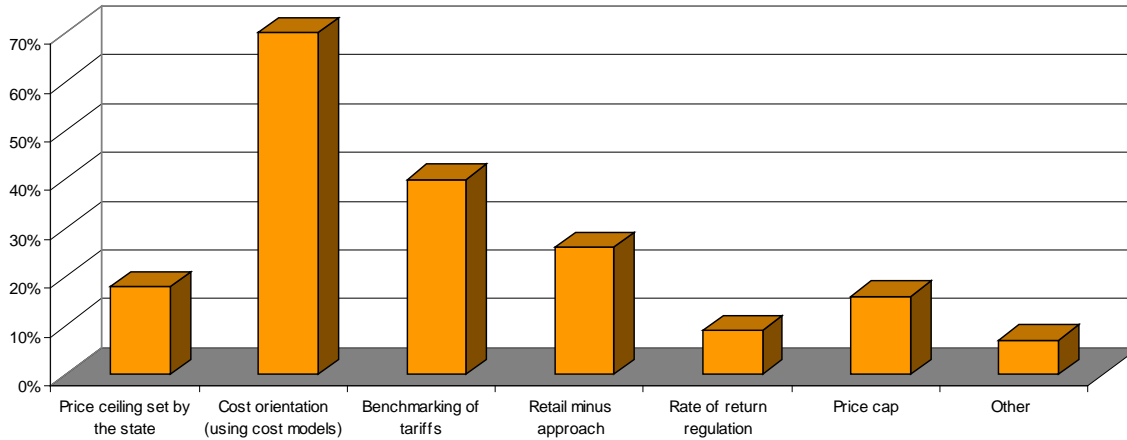
Some results from the ITU Database on Tariff Policies, ICTEye:

Determination of prices of regulated retail services

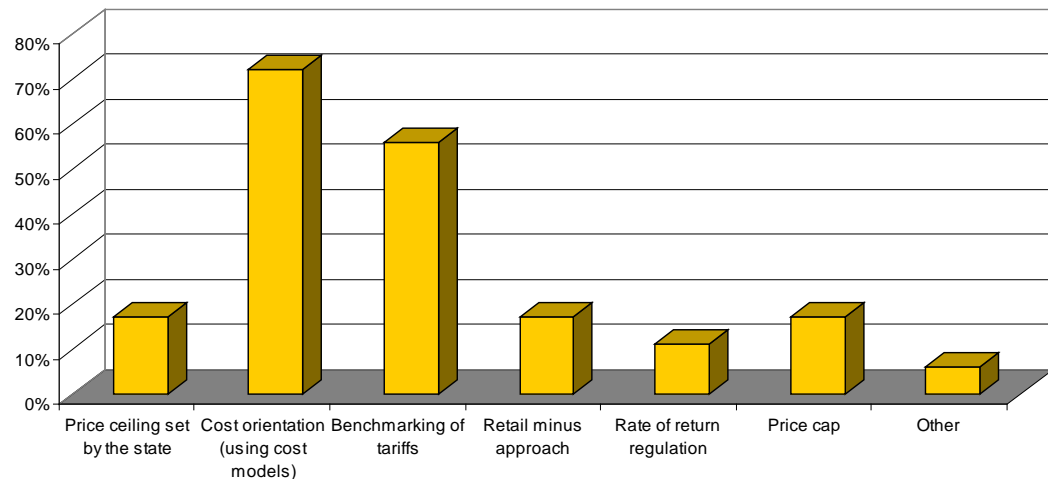


Determination of prices of regulated wholesale services

World



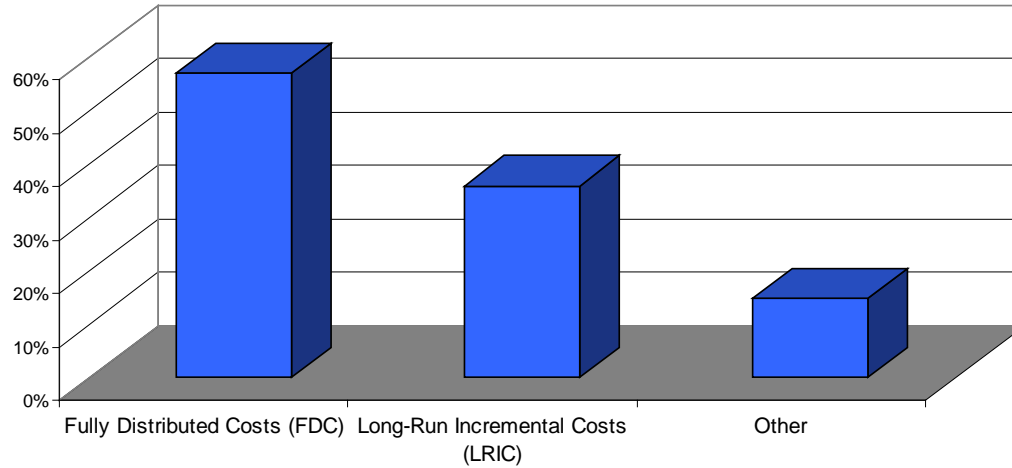
Africa



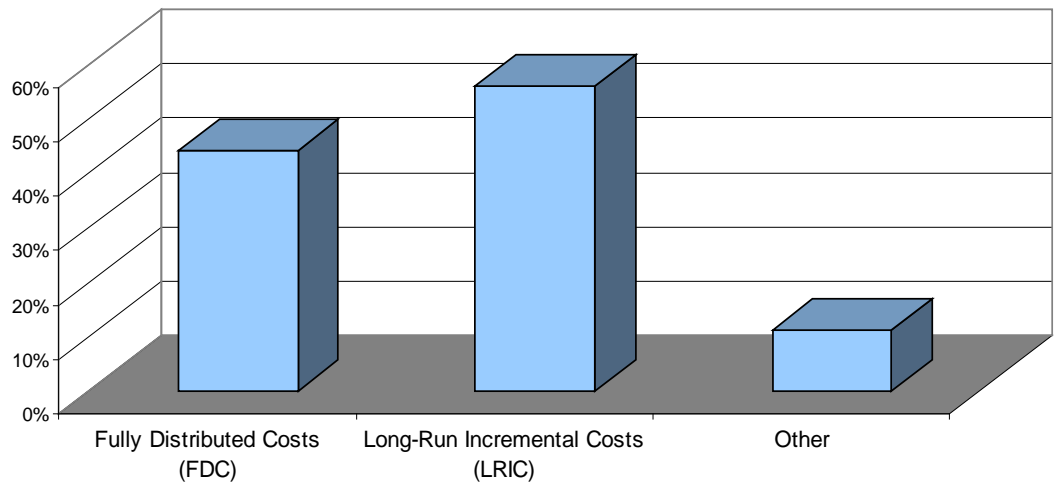
Source: *Tariff Policies Database*
ITU ICT Eye - Results 2009

Concept used for calculating retail services tariffs

World

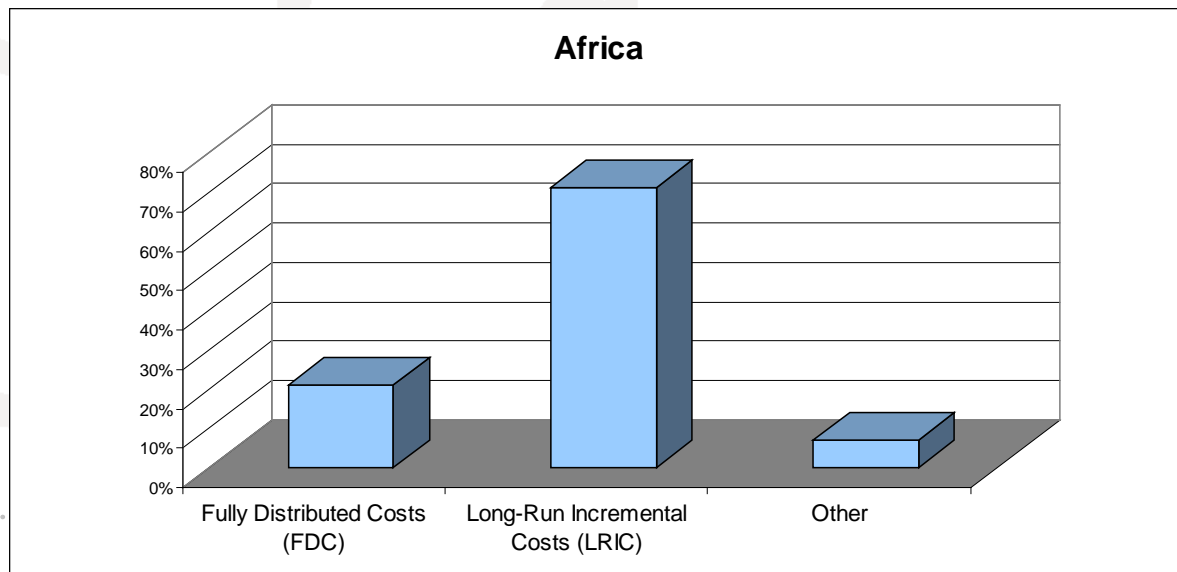
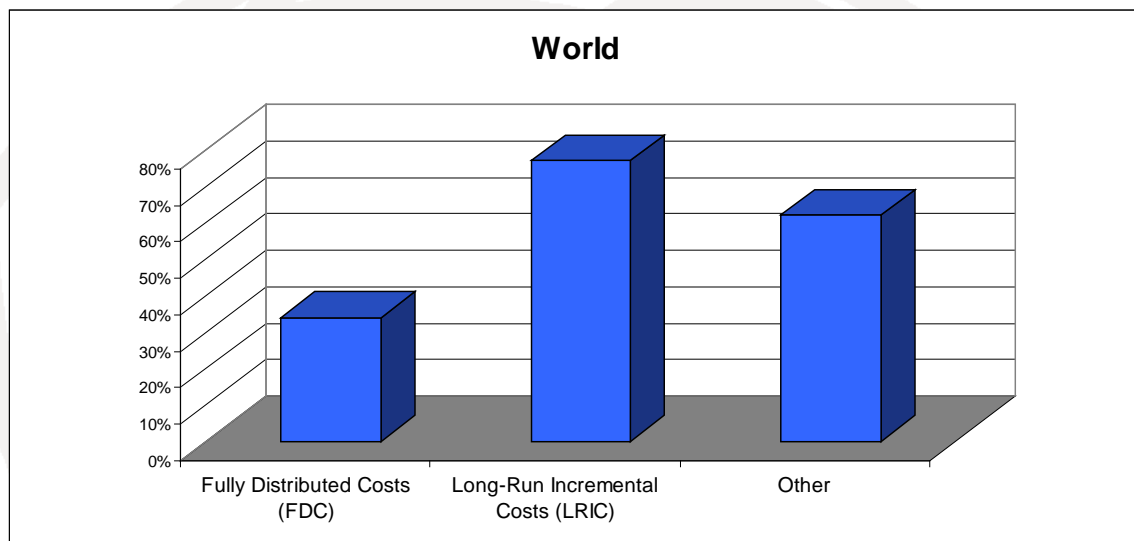


Africa



Source: *Tariff Policies Database*
ITU ICT Eye - Results 2009

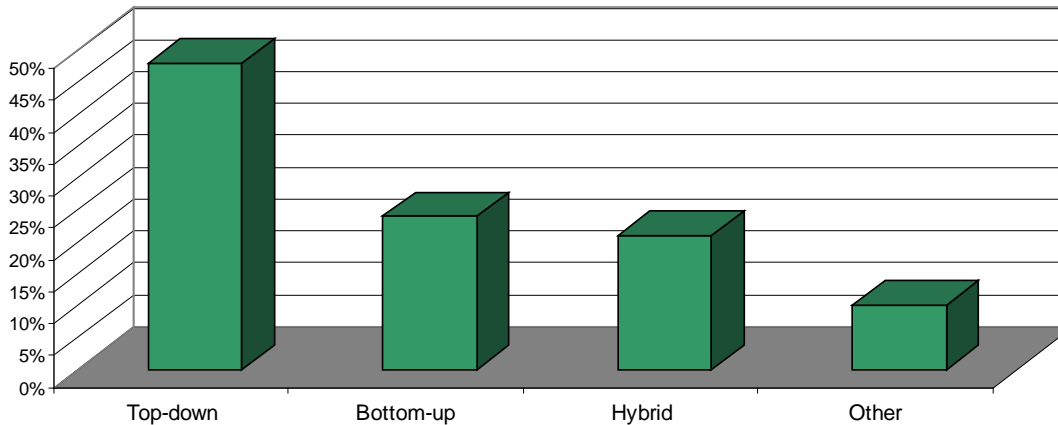
Concept used for calculating wholesale services tariffs



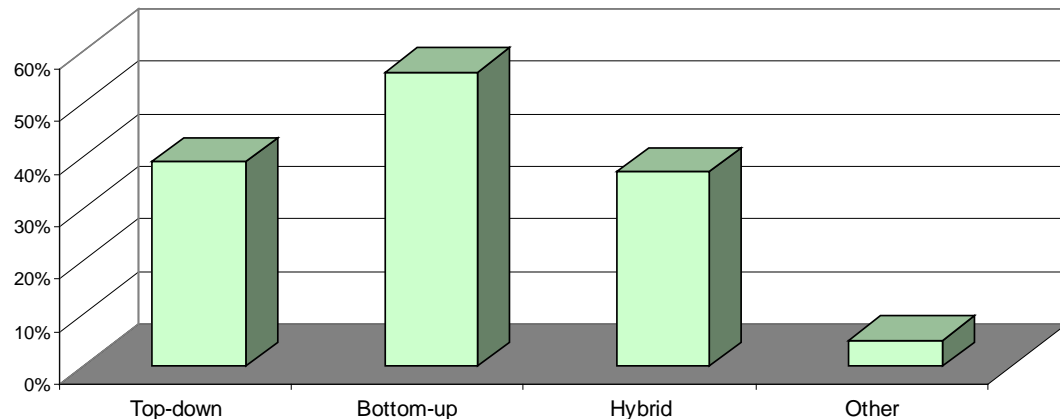
Source: *Tariff Policies Database*
ITU ICT Eye - Results 2009

Approach applied to calculate retail and wholesale telecommunication services

Approach applied to calculate retail telecommunication services



Approach applied to calculate wholesale telecommunication services



Training activities 2009

Regional training in coordination with the Centres of Excellence in local languages:

- 1. America:** In Spanish for Latin American countries to be held in Buenos Aires, September 2009
- 2. Africa:** In English for English-speaking African countries in Maseru, July 2009
- 3.** In French for French-speaking countries in Dakar, December 2009
- 4. Arab States:** In English and Arab in coordination with the Arab League of Regulators, Damascus October 2009
- 5. Asie Pacific :** Bangkok November 2009
- 6. CIS :** Ukraine September 2009

Training activities 2010

Regional training in coordination with the CoE :

- 1. Latin America:** Buenos Aires, Argentina, September 2010
- 2. Africa:** for English-speaking African countries in Lilongwe, Malawi, June 2010
- 3. Africa:** for French-speaking countries in Ouagadougou, Burkina Faso, November or December 2010
- 4. Arab States:** Damascus, Syria, June 2010
- 5. Asia Pacific :** Bangkok, Thailand, June 2010
- 6. The Caribbean:** Kingston, Jamaica, September 2010

ICT Eye Database

- ICT Statistics
- Regulatory Information
- Tariff Policies
- Scientific Institutions
- WSISS Stocktaking



Global Regulators' Exchange

Committed to Connecting the World



The screenshot shows the ITU Global Regulators Exchange (GREX) website. The browser window title is "ITU Global Regulators Exchange - Windows Internet Explorer". The address bar shows "http://www.itu.int/ITU-D/grex/default.asp". The page includes a navigation menu with links like "home", "discussion boards", "members", "search", "guide", "links", and "last posts". A "Welcome Prado!" message is displayed on the left, along with a "Subscribe to ALL BOARDS" button. The main content area is a forum table with the following data:

Forum	Questions	Posts	Last Post
Regulators Hotline			
Regulators Hotline	487	2233	10 February 2009 19:14:36 by: michele.noux
ITU Expert-Level Training for National Regulators			
Discussion Forum	2	5	11 December 2008 15:25:56 by: Mariya Popivanova
Study Group Q12-2/1			
Discussion Forum	0	0	
Interconnection Dispute Resolution			
Interconnection Dispute Resolution	12	33	09 October 2007 07:52:50 by: mariluz
Regional Regulators Association Forum			
Regional Regulators Association Forum	5	7	17 October 2006 14:07:37 by: arkhanal
List of national contacts			
List of national contacts	1	2	23 April 2005 12:18:31 by: kkezang
G-REX Online Interviews			
G-REX Online Interviews	3	3	17 September 2002 10:34:00 by: n/a
Bulletin Board			
Bulletin Board	23	28	12 January 2009 08:51:11



www.itu.int/ITU-D/grex/

Module 2. Competition and Price Regulation | ICT Regulation Toolkit - Windows Internet Explorer

Recherche Web | Signets | HP Games | HP Solutions | Snapfish | HP Smart Deals | Courriel | Mon Yahoo! | Questions/Réponses | Anti-logiciel espion

http://www.ictregulationtoolkit.org/en/Section.1560.html

Module 2. Competition and Price Regula...

Home Toolkit Events GCBI Training About Search

ICT Regulation Toolkit
Module 2. Competition and Price Regulation

Module 2. Competition and Price Regulation

This module of the ICT Regulation Toolkit was developed by NERA Economic Consulting in association with Castalia Strategic Advisors and Kalba International.

NERA
Economic Consulting

Overview: Putting ICT Regulation in Context
The history of interconnection, price regulation and competition policy in the ICT sector, and the implications of changes in technology and market structure for regulation.

Competition Policy and the ICT Sector
Key concepts of competition policy and regulation: why competition is important; a comparison of competition policy and regulatory approaches; common anticompetitive practices and remedies; and analysis of business acquisitions.

Regulating for Interconnection
Tools and good practice in regulating interconnection, including: estimating costs and setting interconnection prices; commonly used cost models; benchmarking interconnection prices; mobile interconnection; interconnection dispute resolution; and cross-border interconnection.

New Paradigms: Voice Over IP and IXPs
Challenges arising from Voice Over IP (VOIP) and the Internet: VOIP interconnection; pricing Internet interconnection; and Internet Exchange Points (IXPs).

Regulating Prices
Approaches to retail price regulation in ICT, including: the rationale for price regulation; key pricing principles; measuring tariffs and costs; determining the structure and level of prices; benchmarking retail prices; price caps and rate of return regulation; and non-price considerations in regulating prices.

Infrastructure Sharing
This section explores policy and regulatory dimensions of sharing ICT infrastructure and capacity, with a particular emphasis on core infrastructure sharing and mobile network sharing. This section provides information related to key concepts and terms associated with sharing and the policy objectives frequently linked to sharing approaches. It provides a broad overview of various forms of sharing and a detailed examination of the sharing of national fibre core networks and the sharing of mobile networks.

Previous Page Next Page

CONTENTS

- Executive Summaries
- 1 Overview: Putting ICT Regulation in Context
- 2 Competition Policy and the ICT Sector
- 3 Regulating For Interconnection
- 4 New Paradigms: Voice Over IP and IXPs
- 5 Regulating Prices
- 6 Infrastructure Sharing
- Competition and Pricing: Index
- Reference Documents on Competition and Price Regulation

Toolkit user contributions for this section

Internet 100%

Start | Inbo... | MIS_2010_with... | presentations | 2 Microsoft Off... | Google Traduct... | Module 2. Co... | EN | 11:33

For more information on cost and tariffs in ITU-D

- Telecommunication Development Bureau
 - www.itu.int/net/ITU-D/
- Regulatory and Market Environment Division
 - www.itu.int/ITU-D/treg/
 - www.itu.int/ITU-D/finance/
- The Global Symposium for Regulators GSR
 - www.itu.int/ITU-D/treg/Events/Seminars/GSR/GSR08/
 - www.itu.int/ITU-D/treg/bestpractices.html
- TREG - www.itu.int/ITU-D/grex/
- ICT Eye - www.itu.int/ITU-D/ICTEYE/
- ICT Regulation toolkit
 - www.ictregulationtoolkit.org/
- Trends in Telecommunication Reform
 - www.itu.int/ITU-D/treg/publications/



Thanks for your attention