

#### **International Telecommunication Union**

## Regional Seminar on Costs and Tariffs for TAL Group Member Countries

La Havana, Cuba 20-21 February 2007

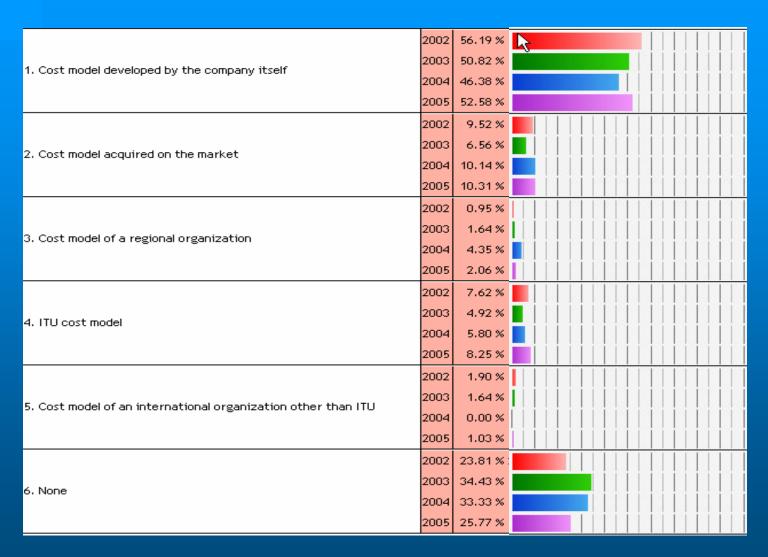
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International Telecommunication Union



# Some facts about the ITU ICT Eye database on cost and tariff models ...

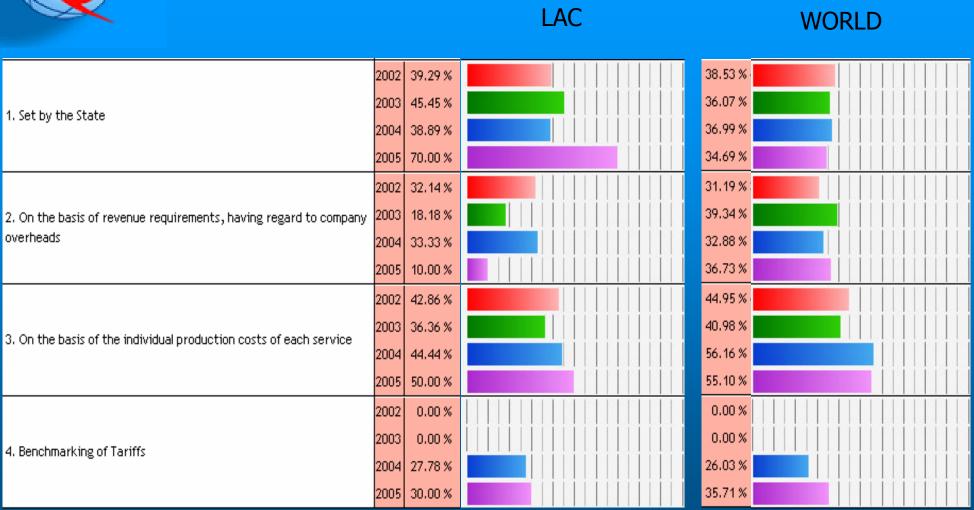


#### Type of Cost-based tariff model used by ITU Sector Members



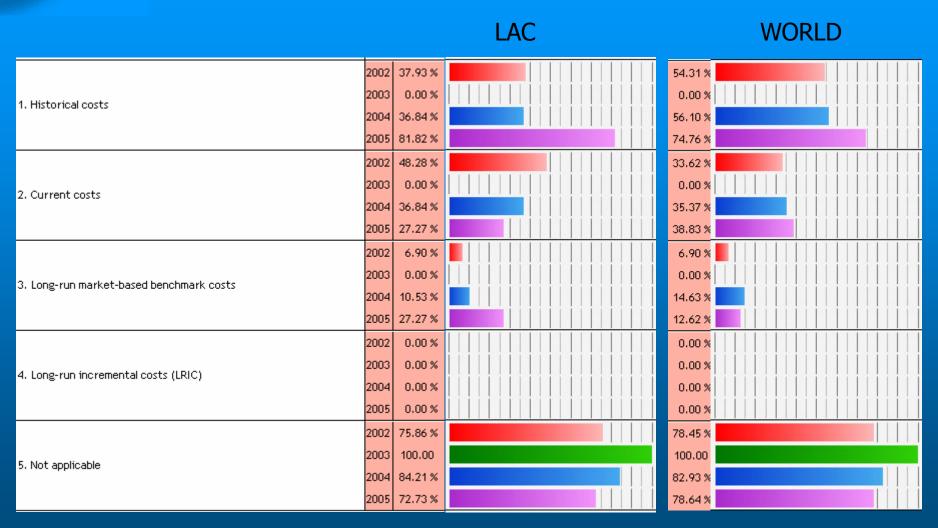


## Determination of the price of domestic telecommunications (local and long-distance calls and interconnection) in LAC



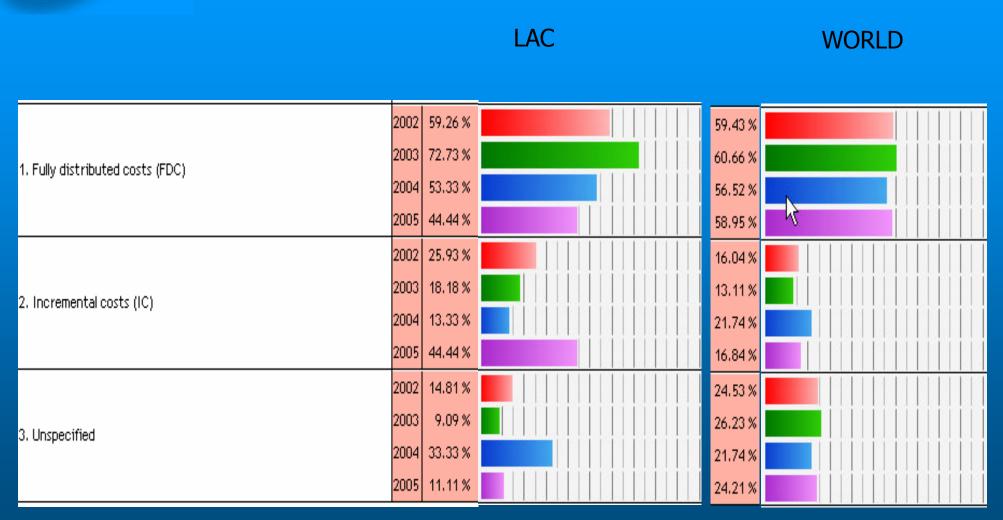


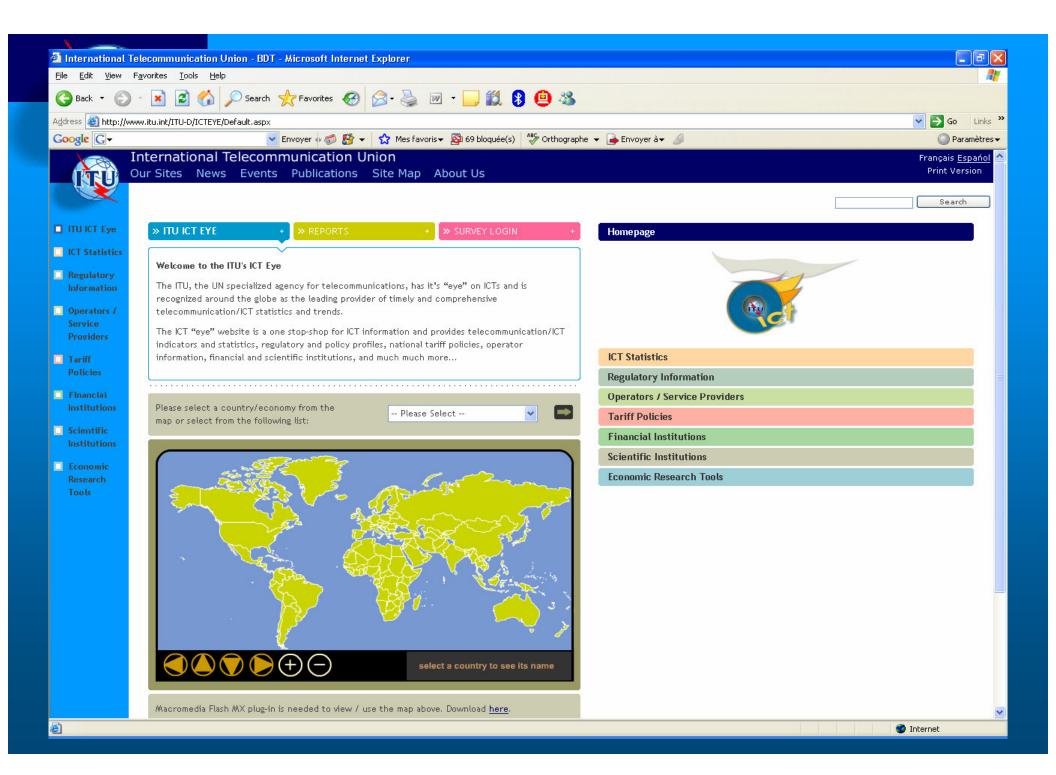
### Type of costs on which the tariff model is based





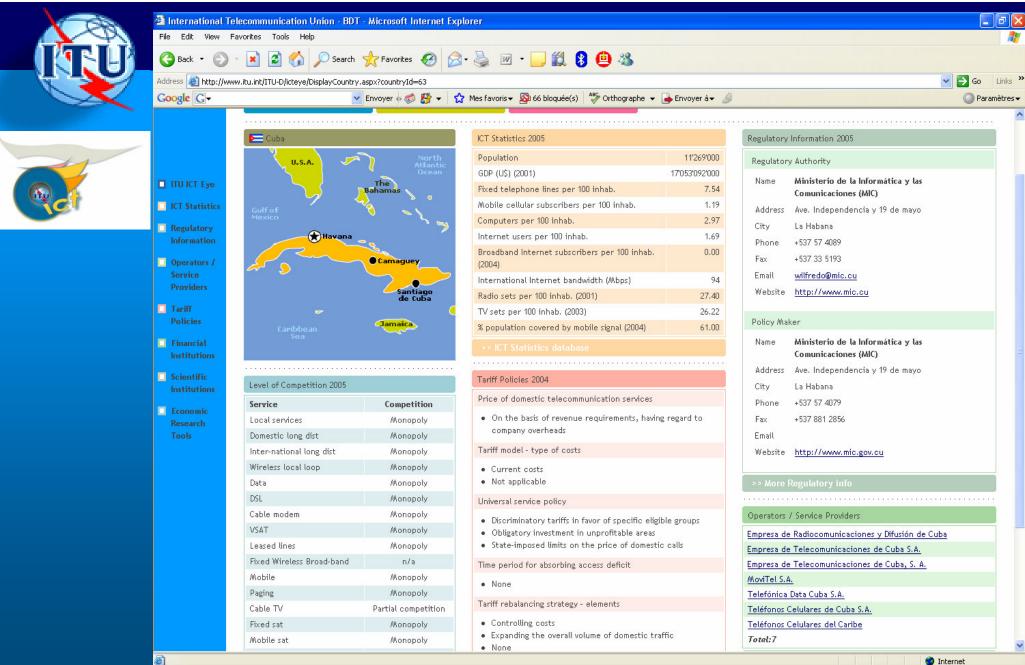
# Concept use as the basis for calculating telecommunication service tariffs











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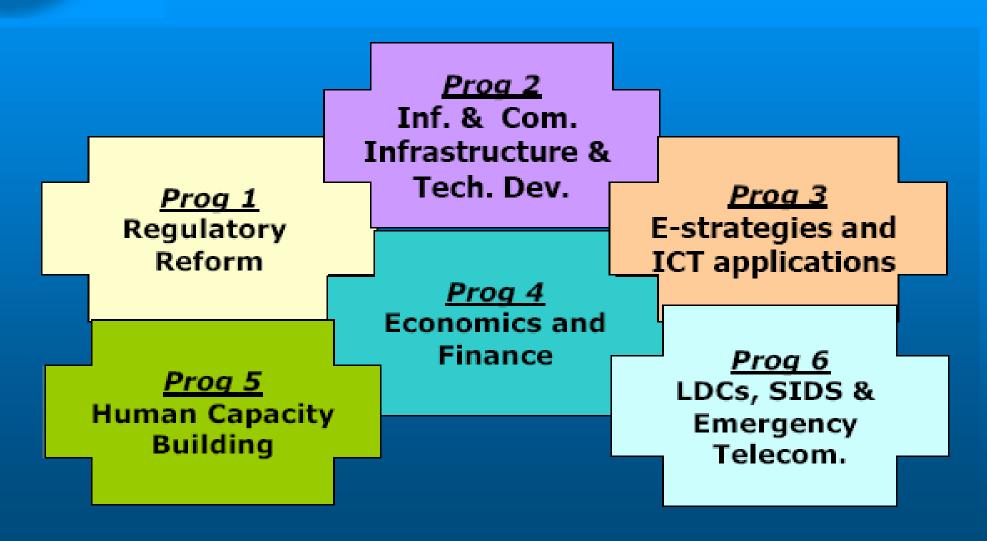
#### **WTDC-06 Outcomes**



- o Doha Declaration
- o ITU-D Strategic Plan
- o Doha Action Plan
  - 6 Programmes
  - 2 Activities
  - 5 Global initiatives
  - 2 Study Groups



### **DAP - Six Programmes**





## Programme 4: Economics and Finance including Costs and Tariffs

The Market, Economics and Finance Unit (MEF) is the entity in ITU/BDT that deals with the economic and financial aspects of the telecommunication/ICT sector (Programme 4), and statistics and indicators (Activity 2).

The MEF unit assists developing countries to formulate and implement economic/financial policies by developing or providing tools and methodologies regarding cost of provision of telecommunication services, interconnection, and economic and market studies.





#### Implementation Strategies

- o The activities of this programme are organized into four important components:
  - Creation of tools
  - Assistance to Member States and/or Sector Members
  - Information-sharing
  - ITU Coordination (support to BDT and TSB Study Groups; TAL, TAS and TAF seminars and meetings)



## Main activities and publications on Economics and Finance

- Pricing of telecommunication services based on IP networks;
- O Use of economic modelling in telecommunications, such as forecasting, risk analysis, revenue simulation, elasticity of demand, consumer behaviour;
- o Participation in the development of Regional Tariff Methodologies for Africa (TAF), America (TAL), Asia and Pacific (TAS), and the COSITU model;
- o Investing in telecommunications and ICTs in developing markets: Shifting the paradigm;
- o ICT market liberalization reports for CEE (Central and Eastern European countries);



#### Assistance to Member States and/or Sector Members

- Direct assistance to countries on cost calculation and pricing;
- Significant Market Power (SMP), competition, economic and institutional implications of network convergence;
- Technical audit of networks and billing reconciliation - mobile operators.

#### Information Sharing

#### o Databases on:

- Tariff policies
- Scientific Institutions focusing on telecommunications/ICTs
- Financial Institutions/Private Sources
- Tools for Economic Research

All these databases are now in the ITU ICT Eye





- o Telecommunication infrastructure and access to ICTs in Latin America and the Caribbean (LAC) (2004)
- o In coordination with CITEL and the ITU Regional Office in Brazil.
  - Focus on the existing telecommunication infrastructure in the LAC region with a view to identifying the economic, regulatory, commercial, financial, social, cultural and educational barriers to ICT access;
  - Address the problems associated with ICTs in LAC, outlining the conditions regarding the level of activity, capital flows, investment in telecommunications, unemployment, income distribution, poverty and rural activities;
  - Review the development of the infrastructure for the main telecommunication services within the region;
  - Give an assessment on the relations between ICTs, education, the economy and technology;

- o Economic, tariff and market/business analysis for the introduction of broadband in the Andean Community (2005/2006)
- o Execution in coordination with the ITU Regional Office in Chile
  - Market study;
  - Policies, strategies and community norms necessary to develop the market for services based on broadband systems;
  - Recommendations and lessons learned;
  - Workshop for dissemination of the information, held in Ecuador in Sept. 2006;
  - COSITU was presented as a possible cost model;



- o Assessment on telecommunication network infrastructure, public protection and disaster management for Central America (2005)
  - Execution in coordination with the ITU Regional Office in Honduras
  - Impact of natural disasters on the telecom infrastructure
  - Assessment of the strategy of disaster management;
  - Infrastructure available;
  - Policy and economic aspects;



- Economic and financial aspects of telecommunication services in the framework of CAFTA - Central American Free Trade Agreement
  - Execution in coordination with the ITU Regional Office in Honduras.
  - Telecommunications in CAFTA;
  - Cost and tariff requirements in the framework of CAFTA;
  - Cost and tariff regulation in country telecommunication regulations;
  - Cost and tariff methodologies;
  - Workshop for dissemination of information, held in Nicaragua, July 2006.



## Study on the application of cost models in Latin American and Caribbean countries

#### **Background**

At the regional meeting of the Tariff Group for Latin America and the Caribbean (TAL) held in Buenos Aires in June 2005, the necessity to proceed with additional studies on cost models used in the region was affirmed, taking into account the work already undertaken, updating the information and methodology based on the experience of countries in the region, Member States of ITU, and the technological and regulatory evolution of telecommunications. The necessity for this study was confirmed at the TAL Group meeting held in Rio de Janeiro (2-5 May 2006). With the support of BDT, funds were obtained to carry out this study within the framework of the activities of the Istanbul Action Plan, Action No. 8371 of Programme 4, in strong collaboration with the TAL Chairman.



## Study on the application of cost models in Latin American and Caribbean countries

#### **Objectives:**

- To make a contribution to the members of the TAL Group on the structure of costs used in the region, and a compared analysis of the methodologies applied in the region, with the aim of detecting common elements and existing particularities taking into account the different types of telecommunication services.
- To obtain cost elements used in the region for reference which could be used to update/adapt the cost model for the region.



## Study on the application of cost models in Latin American and Caribbean countries

#### o Follow up:

- Presentation of results of this study as part of the agenda of this TAL seminar;
- Take into consideration the inputs from participants to improve the final report;
- Use this document as a reference for the discussion on cost models in the TAL Group meeting.

#### **Projects for 2007**

- o Charging and accounting principles for NGN;
- Guidelines on calculation of "X" factor in RPI formula best practices guideline handbook;
- o COSITU upgrading;
- Development of database for investors market-oriented indicators for ICT;
- o COSITU users forum and train the trainers programme and COSITU terminology harmonization guide for Central America in coordination with COMTELCA;
- o Marketing/business study for broadband services;
- o Caribbean economics and financing workshop.



## Thank you

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