



# **INFORMAL MEETING FOR REGIONAL REGULATORY ASSOCIATIONS**

**Guillermo Thornberry Villarán**  
Regulatel President

**Beirut, Lebanon**

**November 9 de 2009**



# PRESENTATION

## 1. REGULATE!

2. Objectives

3. Information and Experience Exchange - IEE

4. Main Activities for the near Future



# THE FORUM

- ✓ REGULATEL is an organization based on the regulators existing national structures that congregates 20 regulating agencies of telecommunications of Latin America and 3 of Europe, as observer members.
- ✓ It was organized to promote the exchange of experiences and information between members. REGULATEL fortifies the initiative of the Latin-American countries to include a greater international presence projecting the common interest.



# MEMBERS OF THE LATINAMERICANO FORUM OF TELECOM REGULATORS - REGULATEL

🇦🇷 CNC, Argentina

🇧🇴 ATT, Bolivia

🇧🇷 ANATEL, Brasil

🇨🇱 SUBTEL, Chile

🇨🇴 CRC, Colombia

🇨🇷 SUTEL, Costa Rica

🇨🇺 MIC, Cuba

🇪🇨 CONATEL, Ecuador

🇸🇻 SIGETL, El Salvador

🇬🇹 SIT, Guatemala

🇭🇳 CONATEL, Honduras

🇲🇽 COFETEL, México

🇳🇮 TELCOR, Nicaragua

🇵🇦 ASEP, Panamá

🇵🇾 CONATEL, Paraguay

🇵🇪 OSIPTEL, Perú

🇩🇲 INDTEL, República Dominicana

🇺🇾 URSEC, Uruguay

🇻🇪 CONATEL, Venezuela

*Observes:*

🇪🇸 CMT, España

🇵🇹 ANACOM, Portugal

🇮🇹 Agecom, Italia



# PRESENTATION

1. REGULATEL

2. Objectives

3. Information and Experience Exchange - IEE

4. Main Activities for the near Future



## Forum Objectives:

- ✦ To facilitate the exchange of information on the framework and the regulatory management, the services and the market of telecommunications between the member countries of the Forum.
- ✦ To promote the harmonization of the regulation of the telecommunications to contribute to the integration of the region.
- ✦ To identify and to defend the regional interests seeking common positions in international forums.



# Regulatel Organization

REGULATEL ORGANIZATION	
<b>Plenary</b>	Regulators members
<b>President</b>	Guillermo Thornberry Villamarán, OSIPTEL, Peru
<b>Steering Committee</b>	Osiptel, Peru; Anatel, Brazil; INDOTEL, Dominic Republic; MIC, Cuba; SUTEL, Costa Rica y CRC, Colombia.
<b>General Secretary</b>	Gustavo Peña-Quiñones
<b>Contact Points</b>	1.- CNC: Daniel Carletti, Argentina; 2.- ATT: , Bolivia; 3.- ANATEL, Jeferson Nacief, Brazil; 4.- SUBTEL: Caterina Achermann, Chile; 5.- CRC: Nicolas Silva, Colombia; 6.- SUTEL-Gonzalo Acuña, Costa Rica; 7.- MIC: Eduardo Leyva, Cuba; 8.- CONATEL: Edison Ayala Ecuador; 9.- SIGET: Dr. Otilio Rodriguez, El Salvador; 10.- SIT: Rodrigo Robles, Guatemala; 11.- CONATEL: Cynthia Moncada, Honduras; 12.- COFETEL: Dolores Muñoz, Mexico; 13.- TELCOR: Lorena César, Nicaragua; 14.- ASEP: Manuel Troitino, Panamá; 15.- CONATEL; Tete Cano, Paraguay; 16.- OSIPTEL: Alejandro Moscol, Peru; 17.- JRTPR: To be defined, Puerto Rico; 18.- INDOTEL: Socrates Martinez, Dominic Republic; 19.- URSEC: Carol Dolinkas, Uruguay; 20.- CONATEL:, Venezuela; 21.- CMT: Fabio del Alisal, Spain; 22.- ANACOM: José Sousa Barros, Portugal; 23.- AGCOM: Laura Di Fraia, Italy
<b>Working Groups</b>	1.-Regional Indicators; 2.- Number Portability 3.- Broad Band and Voice over Ip; 4.- Border Communication and International Roaming; 5.- Rural Telecommunications
<b>Regulatel AD</b>	Forum Administrator



# Contracts and Mou's

- ✓ **European Commission Contrats:**
  - ✓ **2002 to 2007 @LIS 1**
  - ✓ **2009 to 2012 @lis 2**
- ✓ **World Bank Mou**
  - ✓ **Universal Service Study 2005**
- ✓ **Inter American Development Bank BID Roaming Project (under discussion)**
- ✓ **ITU, to be developed**
- ✓ **ECLAC, Convergent Structure of Regulator.**







# PRESENTATION

1. REGULATEL
2. Objectives
3. Information and Experience Exchange - IEE
4. Main Activities for the near Future



# 1. Main Activities - Information and Experience Exchange

## **1.- Permanent virtual Forum, Web Page**

## **2.- Internal Meetings**

- ✓ Plenary
- ✓ Contact Point Meeting
- ✓ Other (Regutel AD)

## **3.- Meetings with other organizations**

- ✓ I/ERG REGULATTEL SUMMIT
- ✓ Operators and Regulators Summit
- ✓ Other (GSR)

## **4.- Publications**

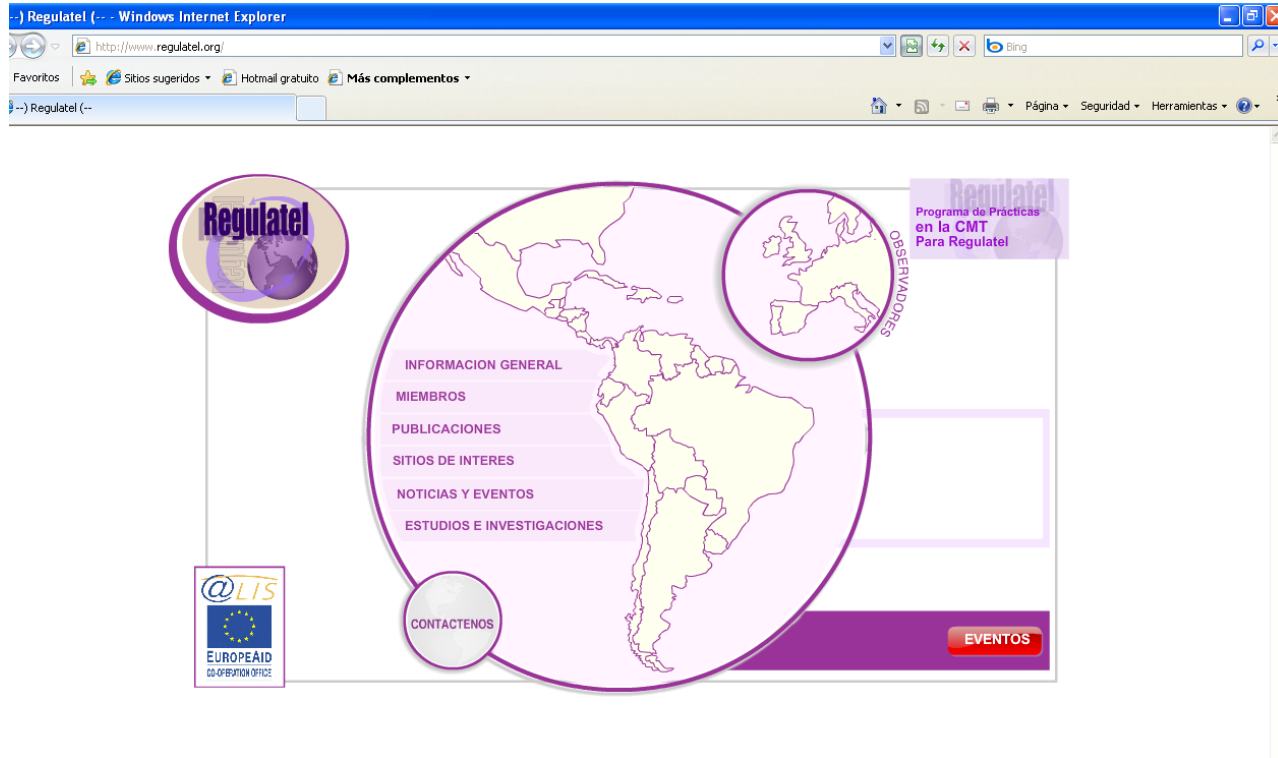
- ✓ Bulletin and Magazine
- ✓ Reports of investigations

## **5.- Training**

## **6.- Working Groups and studies**



# 1.- Web Page (1)



# 1.- Web page (2)

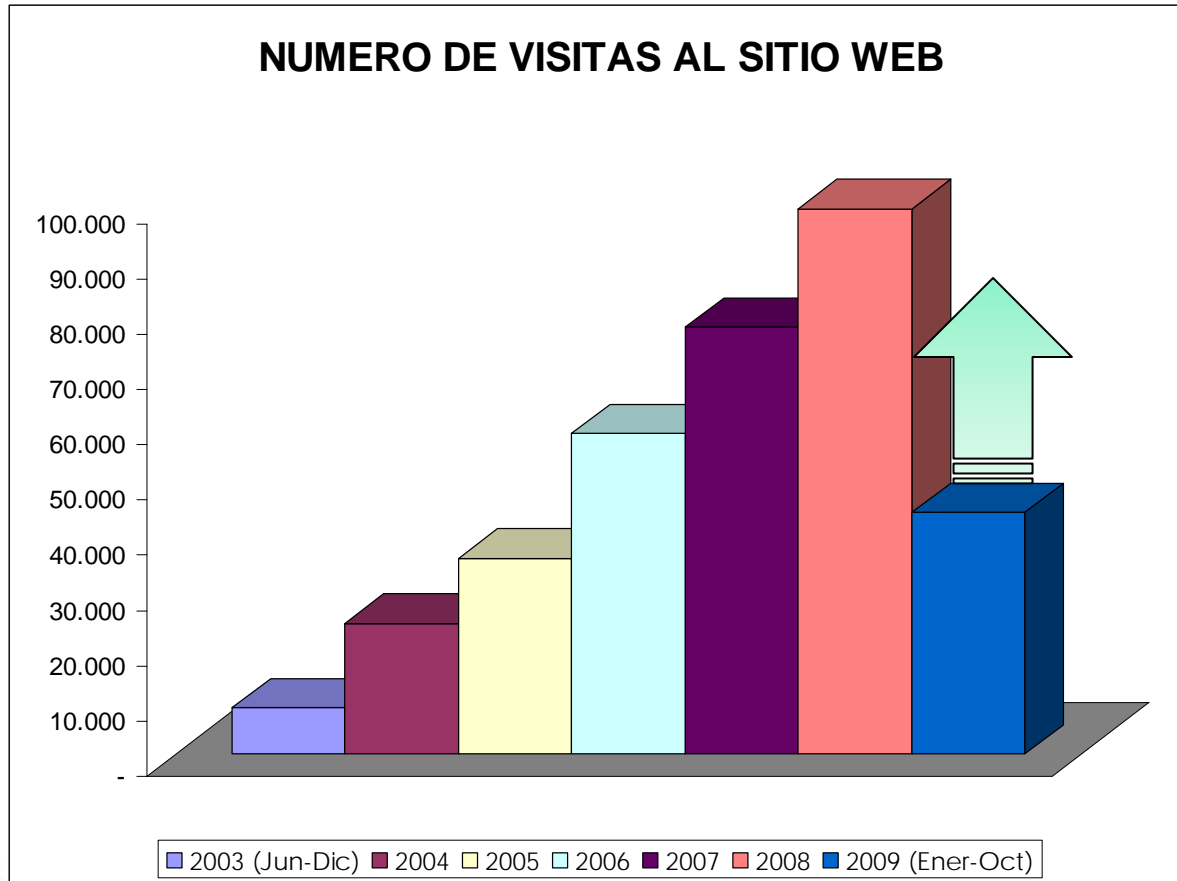
## Permanent Virtual Forum - Página Web



- ✓ New sections.
- ✓ It is a place of meeting among regulators and it is been permanent actualized.



# 1.- Web page (3)



## 2.- Internal Meetings

REGULATEL PLENARYS				
PLENARY	YEAR	WORKING TOPIC	PLACE	DATE
Convocatoria	1998	Accounting Rates and Exchange of Information	Cartagena, Colombia	February
I	1998	Constitution	Ciudad de Guatemala	September
II	1999	Electronic Commerce	Cartagena, Colombia	August
III	2000	Internet for All	Oaxaca, Mexico	September
IV	2001	Digital Gap	La Paz, Bolivia	November
V	2002	Economic Feasibility of the Operators and Universal Access	Fox de Iguazu, Brazil	November
VI	2003	Towards the Information Society	Santo Domingo, Dominic Republic	December
VII	2004	Information Society, Universal Access, Broad Band and Voice over IP	Cusco, Peru	November
VIII	2005	Broad Band and Universal Access	Sintra, Portugal	November
IX	2006	Management of Scarc Resources, Spectrum, Number Assignment and Digital TV	Buenos Aires, Argentina	October
X	2007	ITC Development Plan in the Region	Ciudad de Guatemala	November
XI	2008	Regulation Challenges of Convergence	Lima, Peru	October
XII	2009	Broad Band Future, Regulatory Strategies	Capri, Italy	October



# 3.- Meetings with other Organizations (1)

SUMMITS I/ERG – REGULATEL				
SUMMIT	YEAR	TOPIC	PLACE	DATE
I	2002	Experience Exchange Strategy	Madrid, Spain	October
II	2003	Towers the Information Society	Santo Domingo, Dominic Republic	December
III	2004	Information Society, Universal Access and Broad Band	Cusco, Peru	November
IV	2005	Universal Access and Broad Band	Sintra, Portugal	November
V	2006	Management of Scare Resources, Spectrum, Numeracion and Digital TV	Buenos Aires, Argentina	October
VI	2007	Convergence, Armonization and Universal Access	Barcelona, Spain	November
VII	2008	Regulation Challenges of Convergence	Lima, Peru	October
VIII	2009	Building up a broadband future: regulatory strategies, technology options and business models to boost broadband in a competitive environment	Capri, Italy	October



## 3.- Meetings with other Organizations (2)

<b>OPERATORS AND REGULATIONS SUMMIT- AHCJET REGULATTEL</b>				
<b>SUMMIT</b>	<b>YEAR</b>	<b>TOPIC</b>	<b>PLACE</b>	<b>DATE</b>
I	1998	Regulatory Models and their Impact on Universal Service	San Jose, Costa Rica	July
VII	1999	Interconetion and IP Services	Guatemala City	July
III	2000	Internet for all	Oaxaca, Mexico	Sept.
IV	2001	Convergency and IP Traffic	Salvador Bahia, Brazil	July
V	2002	Regulatory, Inverstment and Conectivity for the Information Society	Bavaro, Dominic Republic	July
VI	2003	Universal Access within sector sostenibility	Santiago, Chile	July
VII	2004	Regulatory Challengers dfor the Information Society in Iberoamerica	Santo Domingo, Dominic Republic	July
VIII	2005	Convergency andBroad Band	Asuncion, Paraguay	July
IX	2006	Armonization and Convergency. Risks and Oportunities for the Digital Inclusion	Sonsonate, El Salvador	July
X	2007	Convergency armonization and universal Access	Madrid, Spain	July
XI	2008	Spectrum Manegment and Licencias	Sao Paulo, Brazil	July
XII	2009	Chalenges for Regulatory Future 10 years after	Medellin, Colombia	July





## 4.- Publications (1)

- ✓ Electronic Bulletin of REGULATEL
  - As a means of exchange of information and in the region
- ✓ Magazine [L@tin.tel](http://L@tin.tel)
  - Regulators, industry and universities continue given articles to this publication.



## 4.- Reports (2)

It has been done different research studies which include actual topics of high impact in the telecommunication sector as: Broad band, network and services interconnection, regulation in Latin America, regional indicators, and others.

We are working on new studies as: Voice over IP, Convergence and regulatory harmonization and user protection and service quality.

As whole as it was finished the Latin-America Universal Access Study, which it has been executed by Regulatel in conjunction with the World Bank, PPIAF, GPOBA and ECLAC.



## 4.- Reports (3)



- ✓ “INTERNET PARA TODOS”
- ✓ Joint work of REGULATEL and AHCINET in order to consider and propose topics discussed at the III Summit of regulators and operators. Topic to discuss: aspects of regulation of telecommunications that can help get the "Internet for all". How the concept that worldwide in the so-called “New Economy”, countries of Latin America could achieve greater potential for economic and social development.



## 4.- Reports (4)



– “Regulatory Regional Convergence and Harmonization of Electronic Communications”

- ✓ It was made by consultants to AHCIET and REGULATEL. It is aimed at analyzing the current reality of the market in electronic communications in Latin America, with special emphasis on the process of convergence and the central role of the Internet in everyday life.
- ✓ Also, and ultimate objective proposes a series of measures which could be adopted by the different national regulatory authorities to adapt to this new convergence environment.



# 5.- Training

- ✓ *Training programs organized by the Forum starts at 2003 and where possible thanks to the resources of the European Commission*
- ✓ *17 presence courses have been organized and six on line using different facilities, mainly the ITU support.*
- ✓ *In summary, it has been train around 750 regulators members of the Forum.*
- ✓ *The training programs have been done thanks to the collaboration of the CMT, AECl y el IRG*



## 6.- Working Groups

- ✓ **Universal Access.** *Finished.*
- ✓ **Integrated System of Regional Telecom Indicators - SIRTEL.** *It was defined 139 indicators and it has been collected information of 17 countries.*
- ✓ **Service Quality and User Protection.** *Final Report*
- ✓ **Convergence and Harmonization.** *Findings discussion among regulators.*
- ✓ **Border Communications and Internacional Roaming .** *Survey and a financing presentation to Inter American Development Bank BID, waiting for BID to answerer*
- ✓ **Broad Band and Voice over Ip.** *To be reorganized during this year*
- ✓ **Interconnection.** *Two Reports*





# PRESENTATION

1. REGULATEL
2. Objectives
3. Information and Experience Exchange - IEE
4. Main Activities for the near Future



# Looking to the future

- ✓ Within the different activities of REGULATEL two are of great importance and will be summary presented here:
- ✓ 1. Working Groups:
  - *Integrated System of Regional Telecom Indicators – SIRTEL*
  - *Border Communications and International Roaming*
- ✓ 2. *Regulation in convergence, Harmonization Report*





# Regional Building Regulatory Policies for the Develop Telecom Sector

- ✓ A new redefinition was made of the working Groups to develop new activities and have concrete results:
- ✓ Working Groups:
  - Regional Indicators SIRTEL
  - Number Portability
  - Broad Band and Voice over IP
  - Border Communications and International Roaming
  - Rural Telecommunications



**Plan de Acción 2010**





# Short report on Regional Indicators (SIRTEL)





- ❑ **The system has 139 indicators of telecomunicaciones:**
  - **87 basic (18 of Traffic, 14 of Infrastructure, 20 of Industry Structure, 4 of Public access to Internet, 15 of Tariff, and 16 of quality).**
  - **25 Socioeconomics**
  - **27 derived**
  
- ❑ **The derived indicators estimated from other indicators of SIRTEL, taking in consideration basic and socioeconomics, for exemple:**

**Mobil telephony Penetration =  $Línes / Total Population * 100$**





Today there are 4601 yearly indicators in the system:

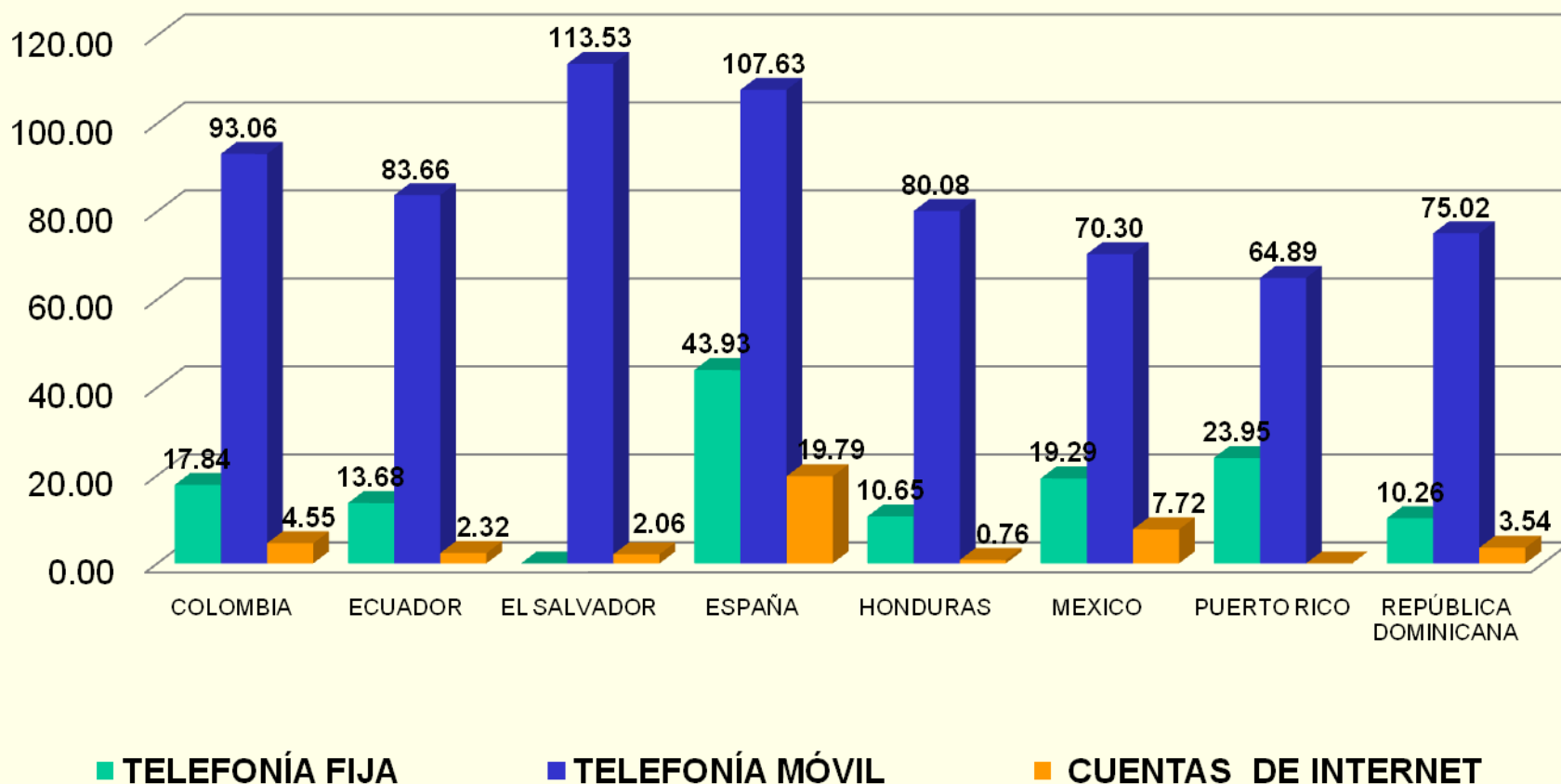
INDICADORES ANUALES								
PAIS	TRAFICO	INFRAESTRUCTURA	ESTRUCTURA DE LA INDUSTRIA	ACCESO PUBLICO A INTERNET	TARIFAS	CALIDAD	SOCIOECONOMICOS	TOTAL
ARGENTINA	21	70	4	1	17	0	110	223
BOLIVIA	41	21	21	0	14	0	33	130
BRASIL	33	57	37	0	18	1	0	146
CHILE	82	50	0	0	0	0	0	132
COLOMBIA	39	71	37	0	26	35	136	344
COSTA RICA	49	48	36	0	58	3	14	208
CUBA	42	70	61	1	21	30	79	304
ECUADOR	36	93	10	3	19	42	104	307
EL SALVADOR	81	59	34	0	37	7	121	339
ESPAÑA	108	109	26	6	36	2	145	432
GUATEMALA	23	45	1	0	4	0	44	117
HONDURAS	15	68	35	7	0	2	48	175
MEXICO	144	173	139	5	103	38	234	836
NICARAGUA	0	0	0	0	0	0	0	0
PANAMA	0	0	0	0	0	0	0	0
PARAGUAY	12	18	16	2	12	2	50	112
PERU	72	92	101	1	0	0	130	396
PUERTO RICO	0	63	34	0	0	14	44	155
REPÚBLICA DOMINICANA	0	99	9	6	0	0	131	245
URUGUAY	0	0	0	0	0	0	0	0
VENEZUELA	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>798</b>	<b>1206</b>	<b>601</b>	<b>32</b>	<b>365</b>	<b>176</b>	<b>1423</b>	<b>4601</b>

Nota: Cabe señalar, que la captura de la información esta en función de la disponibilidad de indicadores de cada país.



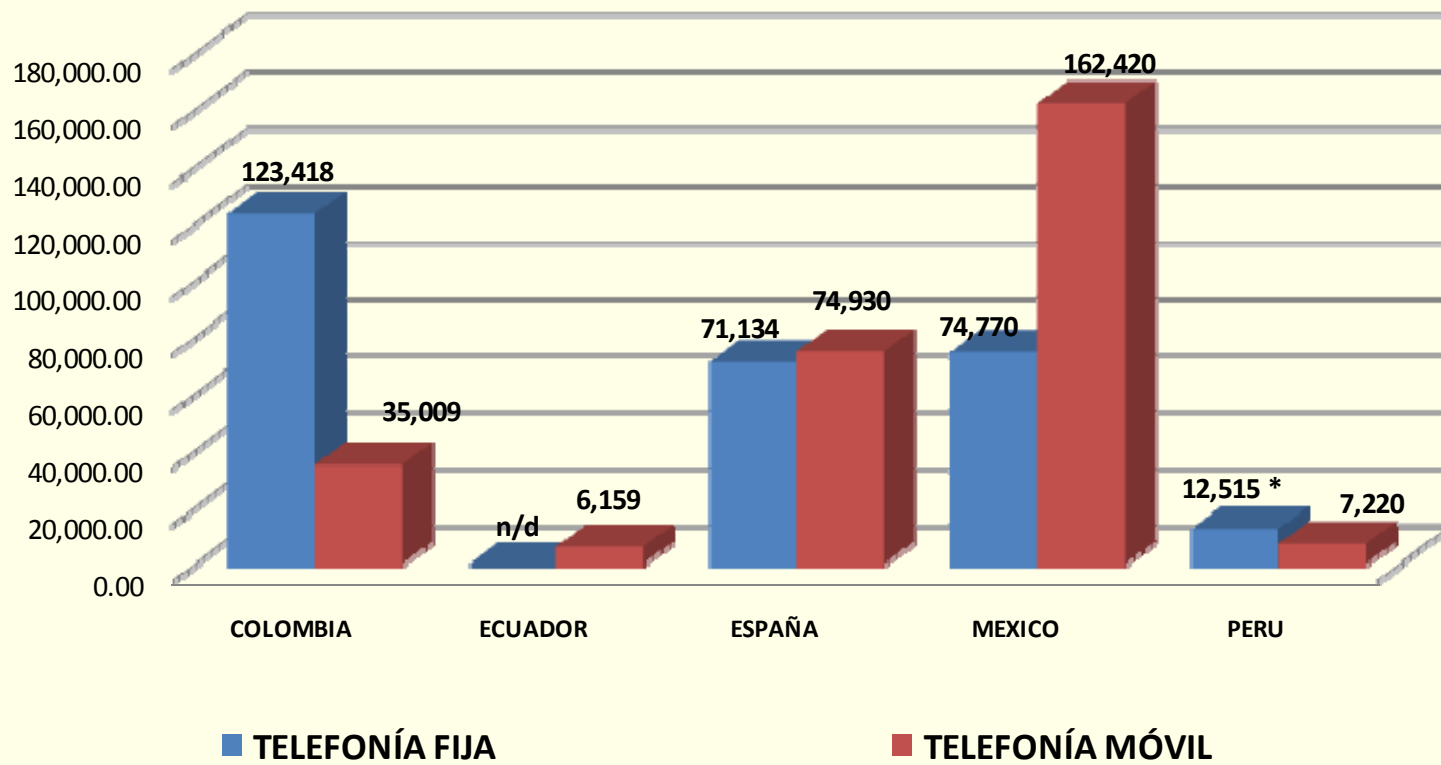
With the SIRTEL indicators it is possible to obtain the following comparative charts :

### DENSIDAD POR SERVICIO 2008





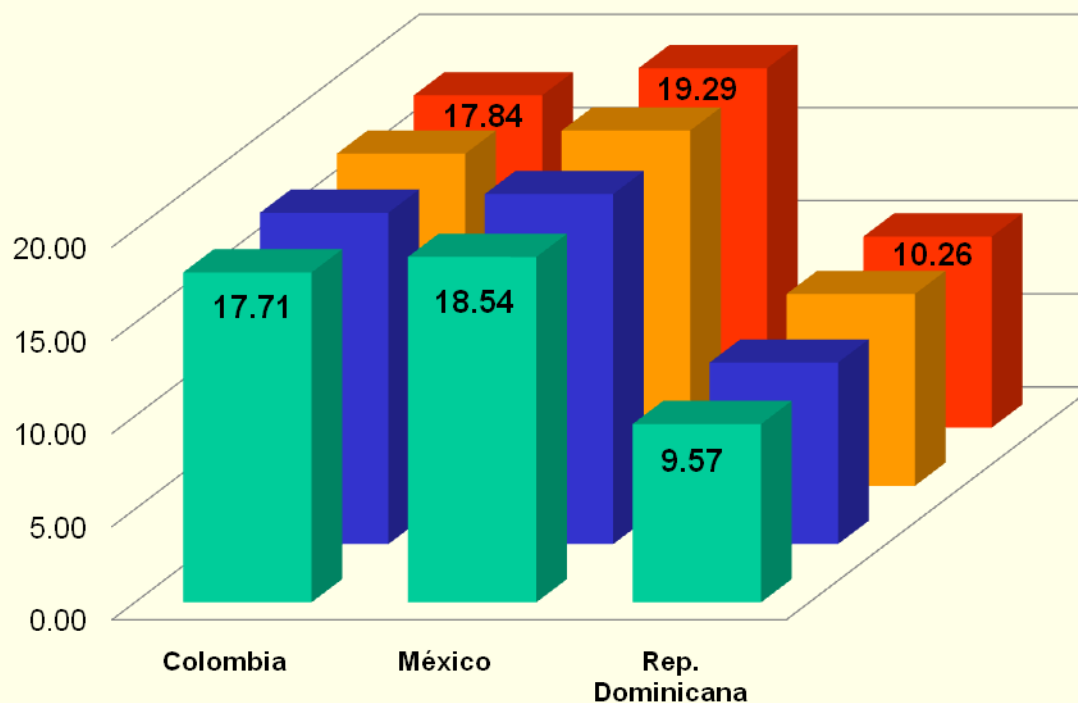
## TRÁFICO EN MILLONES DE MINUTOS 2008



\* Dato de 2007



## DENSIDAD DE TELEFONÍA FIJA TRIMESTRAL 2008



■ 1er Trimestre

■ 2do. Trimestre

■ 3er Trimestre

■ 4to Trimestre



- ✓ **Continue working with the National Institutes of statistics or Central Banks, to include in the system the socioeconomic statistics of the ICT's.**
- ✓ **To continue with the integration of new indicators harmonized with the indicators working by ITU.**





# Structure for Regulators based on Technical Convergence (1)

- ✓ REGULATEL based on the recommendations of the Convergence and harmonization Study made in 2008 proposed to Economic Commission for Latin America and Caribbean - ECLAC and CLARA Network to execute a Study towards obtain recommendations on the structure of a Regulator based on the Technical convergence.
- ✓ ECLAC, contract a consulting to this topic on behalf of CLARA Network and REGULATEL.



# Structure for Regulators based on Technical Convergence (2)

- ✓ The study is under way and the preliminary recommendations are:
- ✓ The comparison shows that few countries have conditions to be incorporated into the regulation of NGNs on actual normative. Brazil, Colombia, Mexico and Venezuela highlighted by having implemented three of the four measures analyzed in the study,
- ✓ Despite the fact that no country reaches 4 measures studied for the convergence of voice, data and video-meet, several countries incorporate 4 out of 3: Argentina, Brazil, Chile, Colombia, Mexico and Panama. The measure has been implemented to a greater extent is the "triple-play", followed by the unbundling.



# Structure for Regulators based on Technical Convergence (3)

- ✓ We can deduce the comparison made using a visual encoding the each country with best conditions to incorporate the convergence in an atmosphere of next-generation networks. Brazil, followed by Chile. Colombia and Mexico also have difficulties, in part by have not the regulatory role for multimedia telecommunications.
- ✓ This is also an obstacle to Argentina, which despite having a licensing scheme, very favorable for convergence, convenience also has policy concerns as regards the provision of multimedia and "triple-play








[www.regutel.org](http://www.regutel.org)