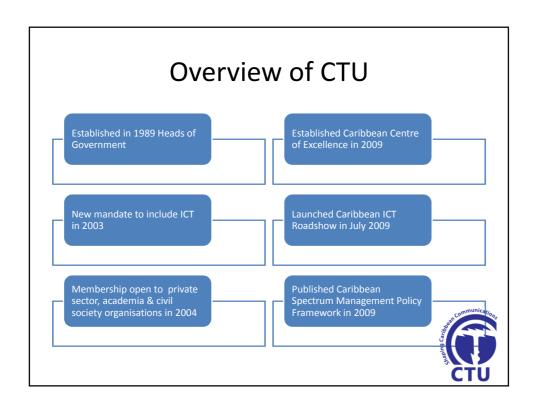


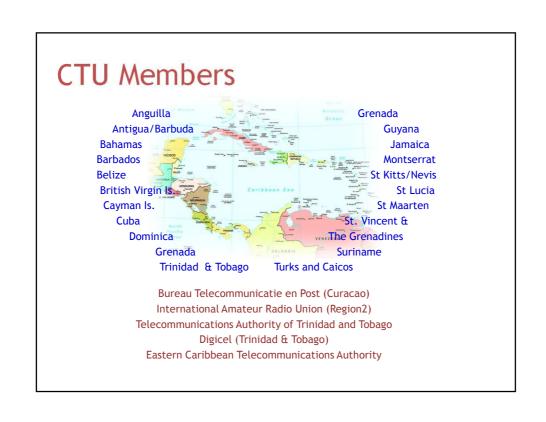
A Caribbean Broadband Perspective by Selby Wilson

Agenda

- Overview of CTU
- Why is Broadband Access Important?
- International Broadband Trends
- Broadband Status in the Caribbean
- CTU Response







Mission

 To create an environment in partnership with members to optimize returns from ICT resources for the benefit of stakeholders

Governance Structure

General Conference of Ministers

ICT and Telecommunications Ministers Highest decision-making body

• Executive Council

Permanent Secretaries and Technical Officers
Formulates plans and makes recommendations

• Secretariat:

Secretary General and staff
Executes the decisions of the General Conference



CTU Core Activities



Policy Formulation

• Capacity Development

Caribbean ICT Harmonisation

• Representation



Industry Watch

Why is Broadband Access Important?

The dawn of the new millennium has brought with it the need to improve access speeds in order to access the now content rich and bandwidth intensive Internet, to benefit from triple play services and, inevitably, to develop the infrastructure required for the promotion of Information and Communication Technologies (ICTs).



Capacity Requirements

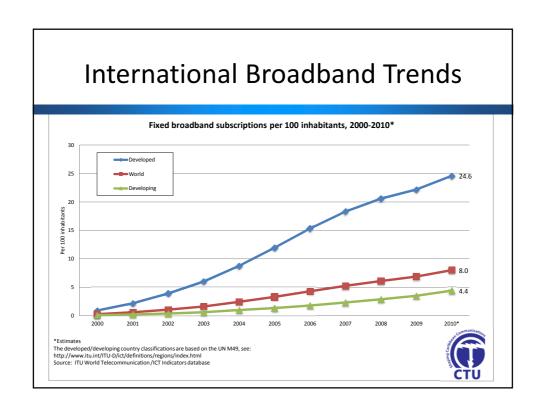


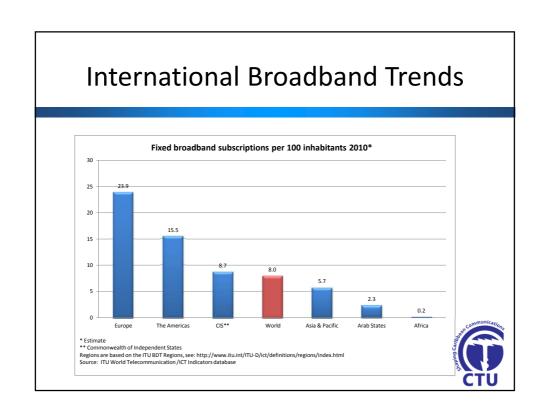
Top Bandwidth Required for Digital Content Applications

 High Definition Television 	18 Mbit/s
 Online Games 	14
 Video on Demand 	13.5
 Internet Protocol TV 	13.5
 Video Conferencing 	13.4
 Virtual Worlds 	9
 Web Browsing 	4
 Audio Streaming 	1.5
Voice Calls	0.5

D M West, An International Look at High-Speed Broadband, Brookings Institute, Feb 2010 p. 6





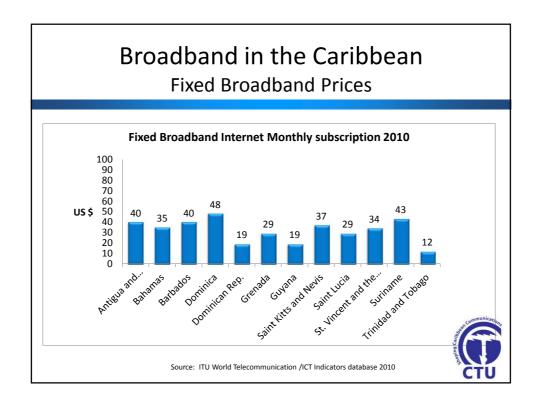


Broadband 3	Status in	the Ca	ribbean
Growth in	Broadband	Subscri	otions

Fixed (wired) broadband Internet subscriptions	2007	2008	2009	2010	4 Year Percentage Growth
Bahamas	20,500	25,500	31,589	24,453	19%
Barbados	47,133	49,216	57,305	56,190	19%
Cuba	1,946	2,246	2,883	3,706	90%
Dominica	6,500	10,305	16,000	31,944	391%
Dominican Rep.	193,053	225,997	295,530	361,112	87%
Grenada	7,600	8,601	10,212	10,573	39%
Guyana	2,362	5,084	6,823	11,972	407%
Jamaica	92,768	97,323	112,201	116,685	26%
Puerto Rico	182,198	426,310	479,464	551,988	203%
Saint Kitts and Nevis	9,600	11,104	13,000	13,100	36%
Saint Lucia	14,000	15,480	18,600	18,600	33%
St. Vincent and the Grenadines	7,972	9,364	11,507	12,502	57% _{sp^an} continu
Suriname	4,205	5,754	8,565	15,672	273%
Trinidad and Tobago	35,491	85,447	125,565	145,028	309%

Broadband in the Caribbean **Growth in Broadband Penetration** Fixed (wired) broadband Internet subscriptions per 100 inhabitants 50 45 ■Bahamas ■Barbados Cuba 35 ■Dominican Rep. 30 Grenada ■Guyana 25 ■Jamaica ■Saint Kitts and Nevis 15 Saint Lucia 10 ■St. Vincent and the Grenadines ■Suriname ■Trinidad and Tobago

Source: ITU World Telecommunication /ICT Indicators database



Caribbean compared to the World

• Global Rank in Broadband Penetration:

Fixed Broadband Internet Subscriptions	Rank out of 142 countries	
Barbados	31	
Trinidad and Tobago	48	
Jamaica	76	
Dominican Rep.	78	
Guyana	95	

• Global Rank in Broadband Affordability:

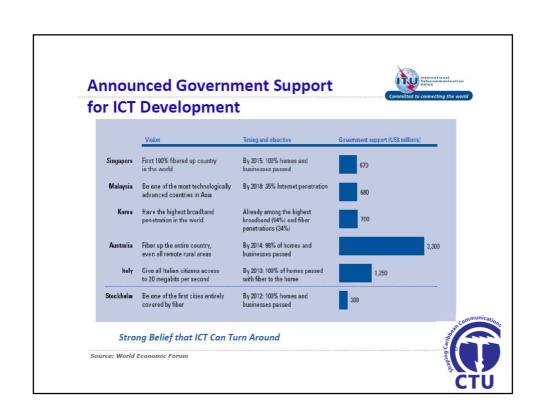
Fixed broadband Internet Tariffs	Rank out of 142 countries	
Guyana	19	
Trinidad and Tobago	24	
Dominican Rep.	67	
Jamaica	80	
Barbados	99	
Source: The Global Information Technology Report 2012		

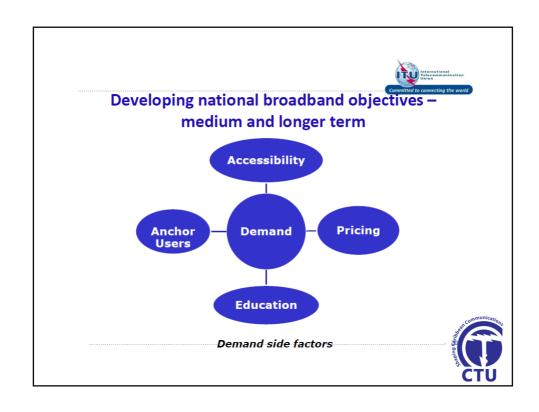
GCI 2011–2012 rankings and 2010–2011 Comparisons

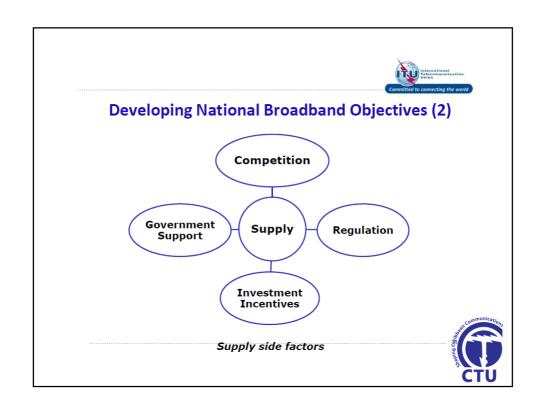
Edited results from World Economic Forum Global Competitiveness Report 2011-12

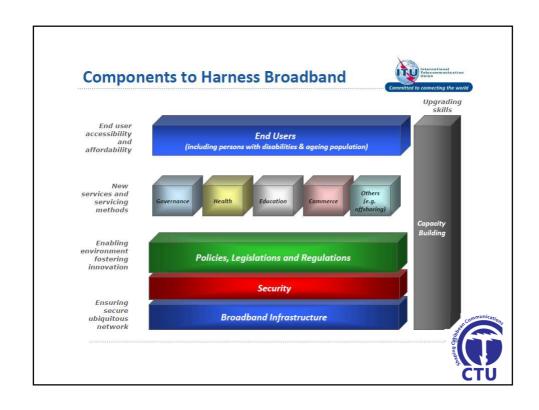
Country	GCI '11- '12 Rank	GCI '11- '12 Score	2011/12 rank against 2010 countries	2010/11 rank
Barbados	42	4.44	42	43
Trinidad and Tobago	81	4.00	81	84
Jamaica	107	3.76	107	95
Guyana	109	3.73	109	110
Dominican Republic	110	3.73	110	101
Suriname	112	3.67	n/a	n/a
Belize	123	3.52	n/a	n/a
Haiti	141	2.90	n/a	n/a

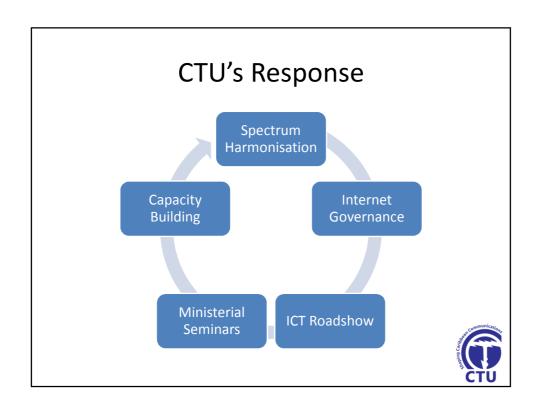












CTU Response



- Spectrum Management Policy Reform
 - 7 Multi-stakeholder Policy Development meetings
 - Spectrum Audits in 7 Caribbean Countries
 - Training Programmes
 - Harmonised Spectrum Management Policy Framework



CTU Response



- Internet Governance
 - 7 Annual Caribbean Internet Governance Fora
 - Transition from IPv4 to IPv6
 - Indigenous Content Creation
 - Harmonised Caribbean Internet Governance Policy Framework



CTU Response



- Caribbean Centre of Excellence
 - ICT Capacity Building
- ICT Public awareness
- Workshops
- Ministerial Briefing Sessions
- Information Resources



Member Services



CTU Response



• Evidence for Caribbean ICT Policy Development

Research information to support Policy Formulation:

- 1. Implications of Technology and Service Convergence on the Operational and Organisational Aspects of Regulation
- 2. Globally Comparable Caribbean ICT Survey Instruments and Baseline Status of National ICT Data Acquisition
- 3. Analysis of the Policies Designed to Encourage Development of Business in the ICT Services Sector
- 4. Collaboration Policy for Functional Cooperation through ICT in the Areas of Crime
- 5. The Examination of Prevailing Models for the Evaluation of the Impact of ICT on Development within the Caribbean



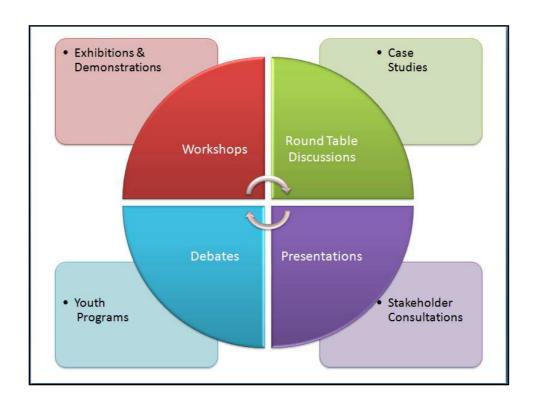
CTU Response

The Caribbean ICT Roadshow

The ICT Roadshow, takes the form of a series of country visits across the region, designed to foster a spirit of innovation in the development of ICT-based practical solutions, to raise awareness and to encourage harmonization of efforts in the adoption of ICT solutions for inclusive economic and social development. (18 Countries visited since July 2009)

The theme, *Harnessing the Power of Innovation - the engine for ICT-enabled development*, is reflective of the objectives we are achieving.





Thank You Caribbean Telecommunications Union