



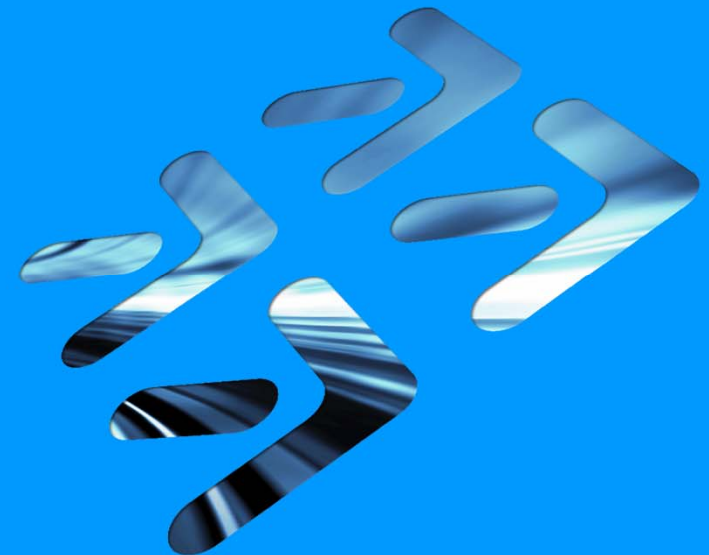
**Caribbean Telecommunications
Union**

Fostering Innovation to Accelerate Telecommunications and ICT Development in the Caribbean

*ITU Regional Development Forum for the
Americas (RDF-AMS)*

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About the CTU

- Established in 1989 by Caribbean Community (CARICOM) to be the inter-governmental telecommunications policy instrument for the Caribbean
- 2003: Defined a new strategic direction to address issues of information and communications technologies (ICT)
- 2004: Expanded Membership to include Private sector organisations
- Sector Member of ITU; Observer status at CITES, ICANN GAC
- CTU fosters and works in strategic partnerships

CTU Members



ARIN

Bureau Telecommunicatie en Post (Curacao)

Digicel (Trinidad & Tobago)

Eastern Caribbean Telecommunications Authority

LACNIC, LIME (Barbados) , ISOC

International Amateur Radio Union (Region2)

Telecommunications Authority of Trinidad and Tobago

CTU Core Activities

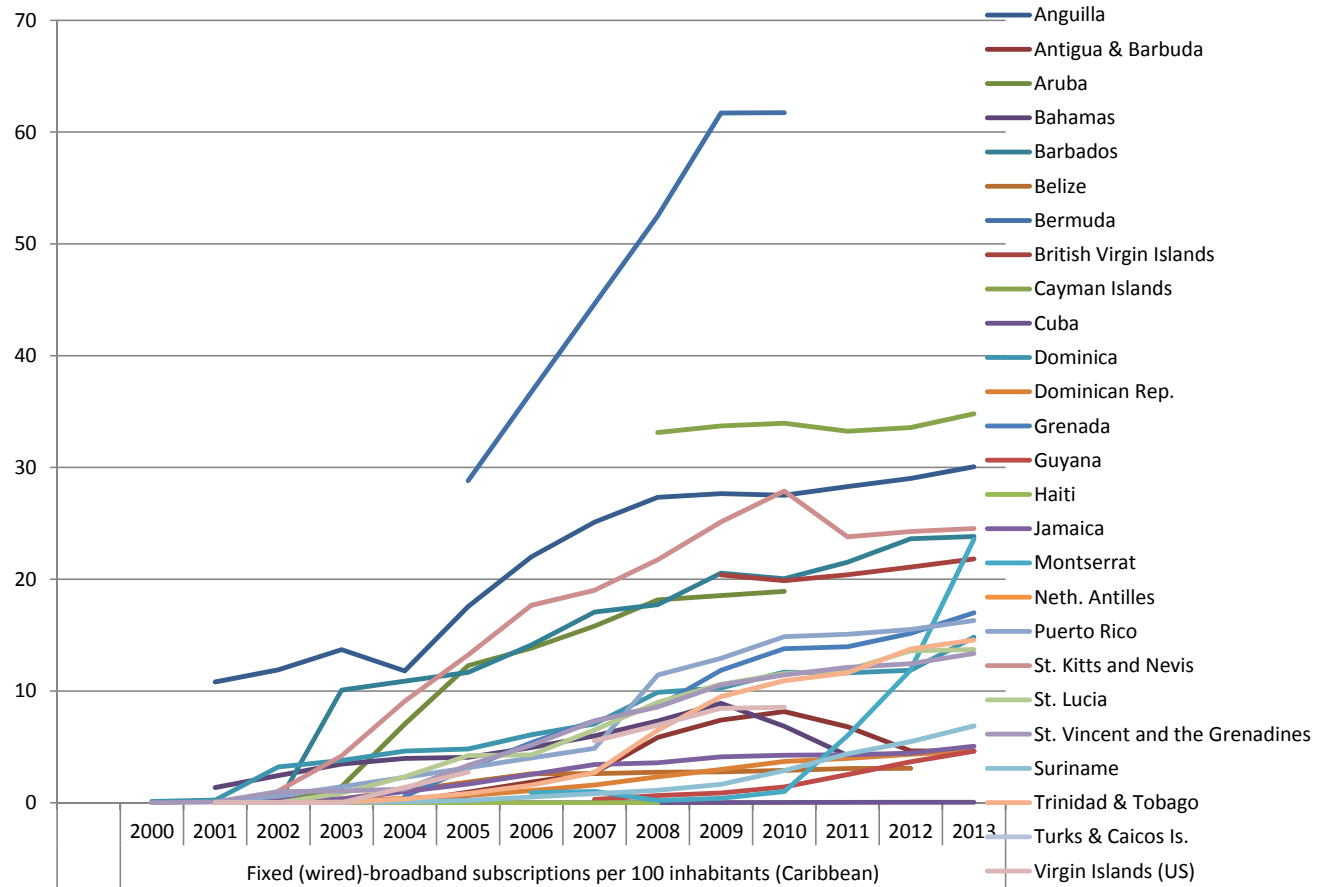
-  ICT Harmonised Policy Formulation
- Capacity Development 
-  Regional ICT Project Coordination
- Caribbean Representation 
-  Industry Watch

The “Caribbean” is ...

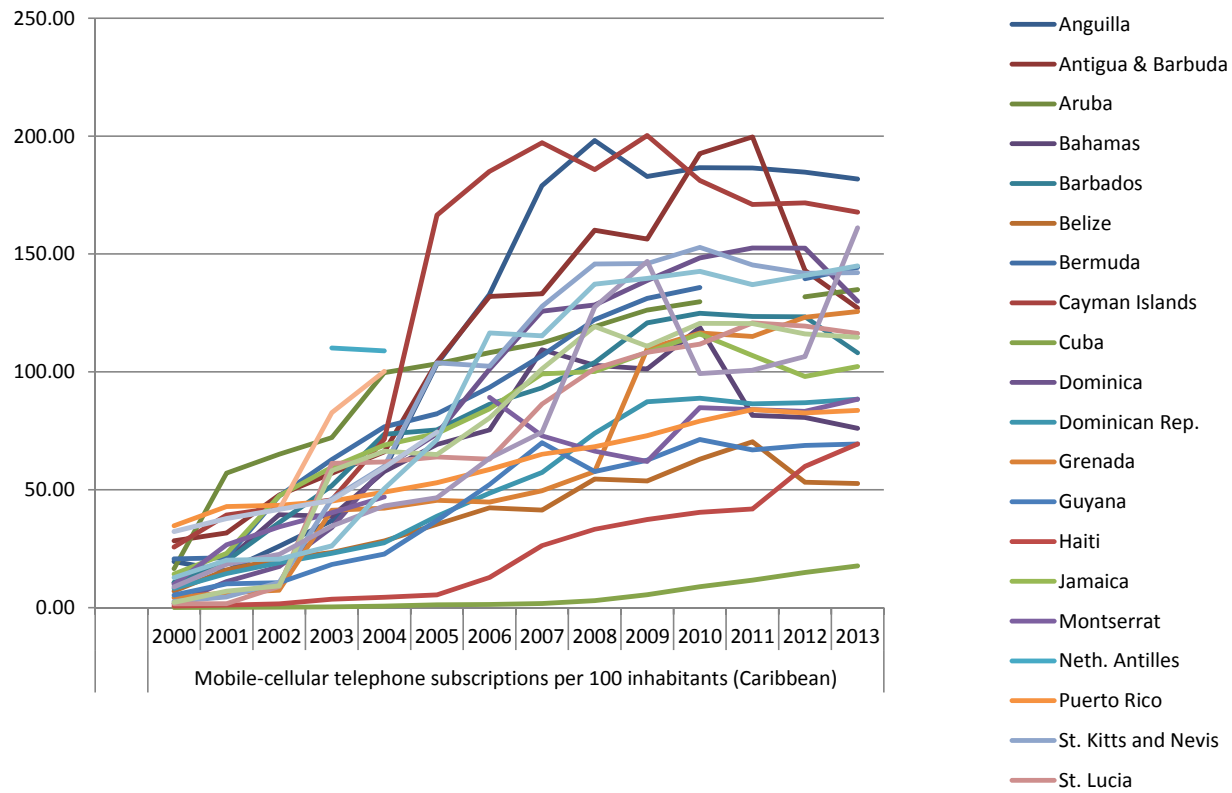


- Diverse :– languages (4), geography (islands and mainland), sizes, cultures
- International and regional (States; Dependencies; Sub-regions)
- Complex at many levels

Fixed Broadband per 100 Source: ITU



Mobile Subs per 100 Source: ITU



Caribbean Market Characteristics

Major Services / Players	Digicel	LIME/Columbus/ Liberty	Other
Landline	X	X	
Mobile (Cellular)	X	X	
Internet (Fixed)	X	X	X
Internet (Mobile BB)	X	X	
TV / Entertainment	X	X	X
International Capacity	X	X	

Typically duopolies in each territory for each service, with few exceptions.

4G LTE mobile is largely standard now.

Caribbean Market Characteristics

- Internet access offerings typically 2 to 100 Mbps download speeds
- Usually independent regulatory agencies (exceptions are Barbados, Antigua)
- Single or multiple regulatory agencies (depending on the country)

Caribbean Market Challenges

- Insufficient vibrancy of market competition
- Market consolidation (suppliers LIME and Columbus recently merged and acquired)
- Broadband access prices not sufficiently affordable in many countries
- Resource / Capacity limitations (especially on a per country basis)
- ICT industries still nascent; minor contributions to overall GDP

ICT Market Objectives

- Increased service penetration
- Improved diversity of available services
- Improved affordability of diverse services
- Digital economy development

Via:

- Vibrant competitive markets
- Regional collaboration for economies of scale
- Increased percentage of empowered users through awareness and capacity building
- Secure, robust network and commercial services
- Data literacy, availability and management

Scope for Innovation

- Supply & Demand Side Stimulation:

In What Areas?	Possible Strategies
Approaches	<ul style="list-style-type: none">• More effective Collaborations• Curricula for digital literacy• Multi-stakeholder mechanisms• Motivated Governments
Technology / Infrastructure	<ul style="list-style-type: none">• Leverage high mobile penetration• Spectrum harmonization• Judicious use of municipal wi-fi
Financing	<ul style="list-style-type: none">• CariSou; flexible use of USFs ...• Digital currencies• Coordination of donor financing
Digital Economy Growth	<ul style="list-style-type: none">• Open Data / Open source• Incentives for local developers

Some Key Initiatives



- CARICOM Single ICT Space
- **ICT-enabled borderless space**
 - Harmonised policies, laws, regulations, technical standards
 - Equitable and affordable access
 - Regional frameworks for robust, secure ICT networks and services
 - Rapid, secure, real-time acquisition, processing and dissemination of information

Some Key Initiatives (Cont'd)

- IG & Critical Internet Infrastructure
 - Collaborations with regional stakeholders and international Internet organisations re:
 - IXP proliferation
 - Regional peering (CarPIF)
 - Cyber-security
 - Local content development
 - Continuing work towards facilitating establishment of appropriate policy frameworks and regional capacity building e.g. CIGF, CaribNOG, relevant workshops / seminars



CTU

Thank you!

