



# Harmonized Caribbean Spectrum Planning and Management Project

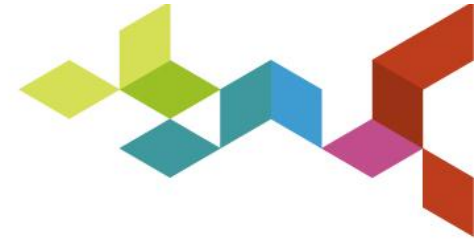
Presented by Andrew Gorton, Digicel  
28<sup>th</sup> January, 2014

**Digicel**



# Background

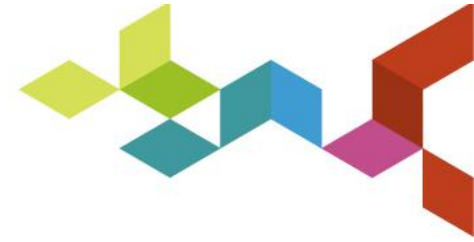
- The digital switchover process was seen by the IDB and a number of national jurisdictions as an opportunity to address the issue of spectrum for mobile services more widely including harmonisation, policies and pricing.
- The IDB is the main sponsor of this project.
- Channeled Through CTU



# Objective

- The objective of the Project is stated as being:

*“to deepen the harmonization of spectrum planning and management policies and practices across the Caribbean Region, including in areas such as white spaces and frequency reutilization.”*



# Activities

## **Activity 1 – Reconstitution of governing bodies**

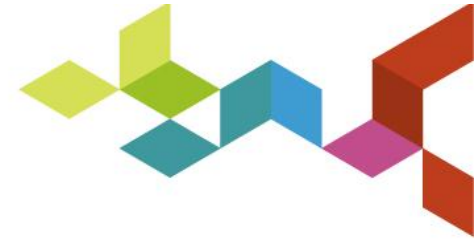
- Reconstitution of the Caribbean Spectrum Management Steering Committee and Task Force.

## **Activity 2 – Design of mechanisms to provide sustainability to the governing bodies**

- Development of a study on possible funding mechanisms aiming at the sustainability of the governing bodies.
- Assess public and private funding solutions as well as possible public-private partnerships.

## **Activity 3 – Frequency band analysis**

- Assessment and evaluation of current national frequency band plans.



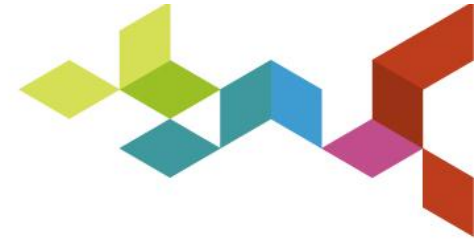
# Activities

## **Activity 4 – Development of a harmonized regional spectrum management plan**

- Comprises the development of: (i) a framework to minimize cross border interference between beneficiary countries; (ii) harmonized technical and policy approaches for the digital switchover; (iii) a proposal for white spaces management and regulation; and (iv) an assessment of common pricing principles and methods for determining pricing values.

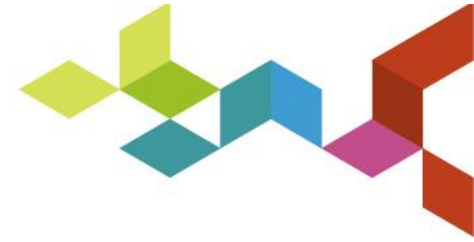
## **Activity 5 – Frequency band proposal**

- Development of the National Frequency Allocation Table (NFAT) for each country.
- Development of a Regional Frequency Allocation Table (RFAT) for the Caribbean.
- Facilitate the adoption of common frequencies and relevant international protocols for disaster management and emergency communications.



## Expected Results of the Study

1. Beneficiary countries should be able to increase harmonization of spectrum planning and improve management policies and practices.
2. The regulatory and procedural changes should result in cost reductions for mobile broadband services, thereby promoting the population's adoption and usage of broadband and the Region's advancement in the digital economy.

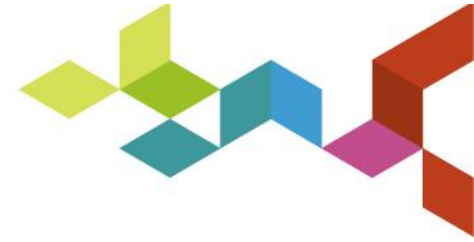


# Total Cost of the Project

The estimated cost of the Project is US\$1,088,000, in accordance with the following budget:

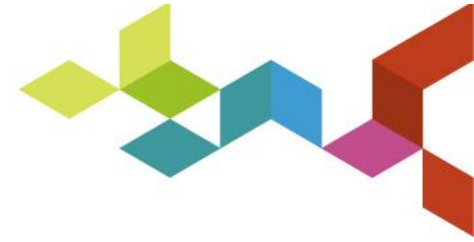
Activity/Component	Description	Bank	Local Counterpart (in-kind)	Total
Activity 1	Reconstitution of Spectrum Management Steering Committee and Task Force Steering Committee	100,000	10,000	110,000
Activity 2	Study on possible funding mechanisms	20,000	10,000	30,000
Activity 3 and 5	Harmonized RFAT for the Caribbean	240,000	16,000	256,000
Activity 4	Regional Spectrum Strategic Plan	400,000	10,000	430,000
Activities 1, 2, 3, 4 & 5	Travel (consultants)	30,000	-	30,000
Activities 1, 2, 3, 4 & 5	Regional workshops	110,000	10,000	120,000
Activities 3, 4 & 5	Editing and printing	10,000	2,000	12,000
Activities 1, 2, 3, 4 & 5	Program Manager, Administrative support & External Audit and Final Evaluation	90,000	30,000	100,000
<b>Activities 1, 2, 3, 4 &amp; 5</b>	<b>Total</b>	<b>1,000,000</b>	<b>88,000</b>	<b>1,088,000</b>

# Eligible for Funding from the IDB and Compete Caribbean



- Barbados
- Bahamas
- Belize
- Dominican Republic
- Guyana
- Haiti
- Jamaica
- Suriname
- Trinidad and Tobago





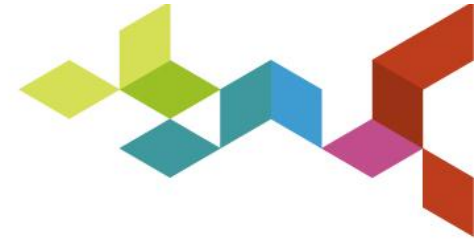
# Eligible for Funding from Compete Caribbean Only

- Antigua and Barbuda
- Dominica
- Grenada
- St Lucia
- St Kitts and Nevis
- St Vincent and the Grenadines
  
- Compete Caribbean is jointly funded by the Inter-American Development Bank (IDB), the United Kingdom Department for International Development (DFID) and the Foreign Affairs, Trade and Development Canada (DFATD).
  
- Not clear at this time what contribution Compete Caribbean might make.



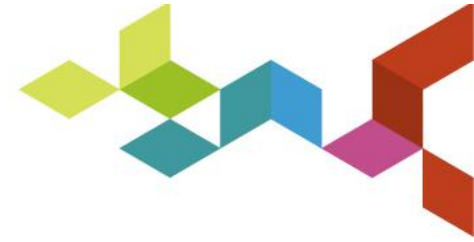
# Proposed Organisation

1. Spectrum Management Steering Committee (5) – Government Policy Makers and Senior Regulators
2. Task Force (14) – Government Policy Makers, Regulators, Operators, Academics, Developers, Researchers
3. Resource Persons
4. CTU to facilitate



# Project Completion Date

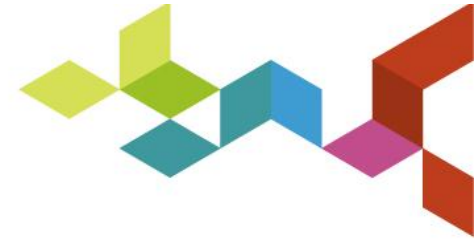
- Project to be completed by 22 Jan 2015.



# Use of the Results

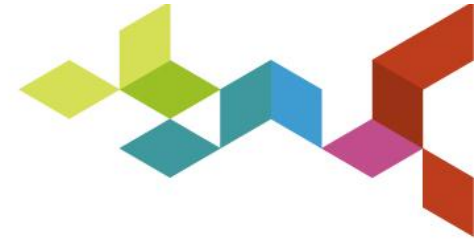
The results of the project will be used to inform:

1. spectrum planning across the Region; and,
2. input by the Region in to the ITU's Nov 2015 World Radiocommunications Conference and consequent ITU Regulations and Recommendations affecting spectrum usage.



# GSMA View on Candidate Bands for Mobile Broadband

- 470 to 698 MHz
- 1350 to 1525 MHz (excluding 1400 to 1427MHz which is passive)
- 2.7 to 2.9 GHz
- 3.4 – 4.2 GHz



Thank you for listening!

**Digicel**