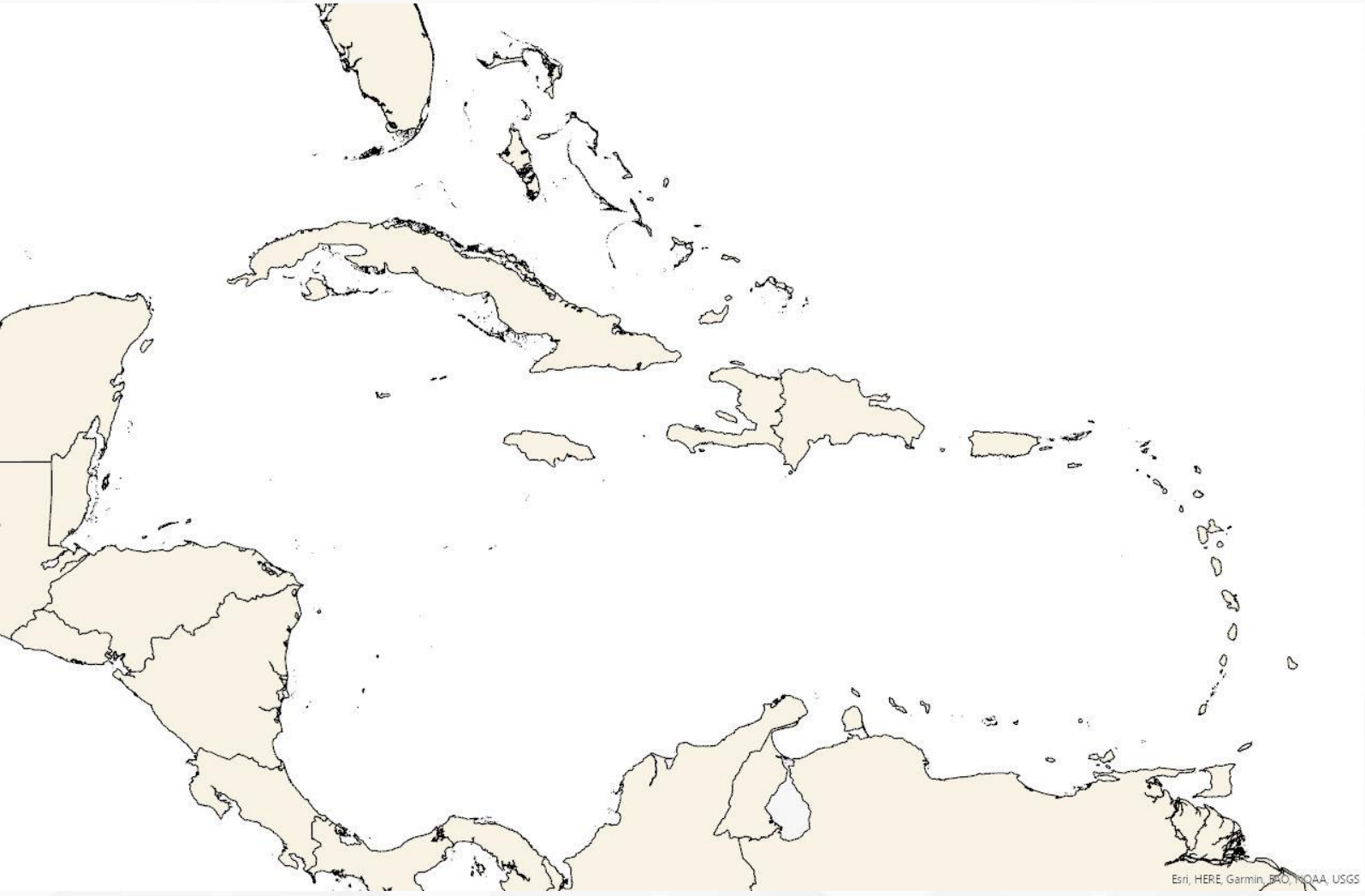
OVERVIEW OF THE CARIBBEAN GEOSPATIAL DEVELOPMENT INITIATIVE

01 September 2020

Michelle St. Clair
Lands & Surveys Department
BARBADOS

JUSTIFICATION



Bridging the Geospatial Divide

PAST INITIATIVE

Project for the Strengthening of Spatial Data Infrastructures in Member States and Territories of the Association of Caribbean States (Caribbean Project)

Initiated through the UN-GGIM Americas

Funded by the Government of Mexico with support from Government of Chile

Collaborators: ACS, UWI, CDEMA, URISA Caribbean

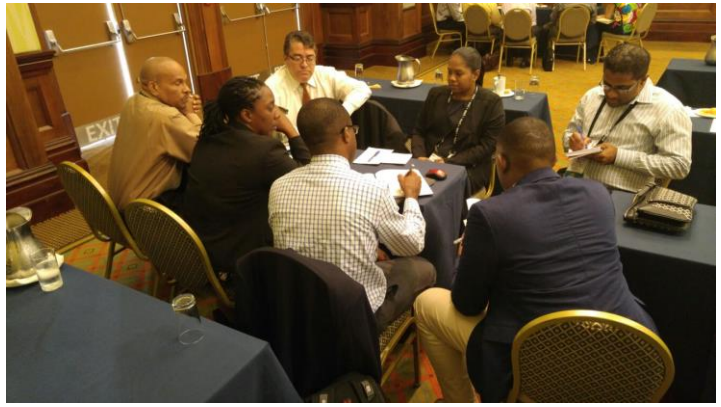
Details:

- **Funding Amounts – US $ 4.5 m**
- **Start Date: 2014**
- **End Date: 2018**
- **Countries:** Antigua and Barbuda, Bahamas, Barbados, Belize, Cuba, Grenada, Guadeloupe, Guyana, Haiti, Jamaica, Martinique, Dominican Republic, Saint Kitts and Nevis, Saint Lucia, Saint Martin, Saint Vincent and the Grenadines, Suriname, and Trinidad and Tobago

PAST INITIATIVE - OUTCOMES

Business Unit: Caribbean Project		Strategic option:		STRENGTHEN				
Strategic Objective		Strategies		Indicators Tracing	GOALS / Specific objectives			
					minimum	medium	optimum	Actual
1	Strengthen the geodetic network	Increase stations	Increase number of stations	5% further in the region	3%	5%	10%	More than 10%
			Increase data availability					
			Increase security location					
2	Broadcast Geographic Information	Create Digital Map of the Caribbean	Increase number of geoportals	10% further in the region	5%	10%	15%	5%
			Increase dissemination of G.I.					
			Increase the number of users					
3	Promote the use of G. I.	Construct Land Cover Map	Consider Project countries	90% of the coverage for the region	80%	90%	100%	100%
			Ensure the quality of the project					
			Disseminate results by geoportal					
4	Capacity Building	Training in geographic skills	Increase basic skills	90% of participations for the countries in the project	80%	90%	100%	80%
			Increase intermediate skills					
			Increase transversal competences					
5	Using geographical standards	Apply standards in processes	Increase in production processes	20% of processes	10%	20%	30%	20%
			Increase in integration processes					
			Increase in dissemination processes					
6	Update computer technology	Renew computers	Update servers	2% of equipment available	1%	2%	3%	More than 3%
			Update computers					
			Update network equipment					
7	Geographic Metadata	Promote the Application	Define a profile for the Region	20% of the countries in the project	10%	20%	30%	Less than10%
			Train them on application					
			Implement use					

PAST INITIATIVE - OUTCOMES



CARIGEO'S PURPOSE

To improve Spatial Data Infrastructures at the national and regional levels in the Caribbean

- *building on recent and on-going developments*
- *leveraging indigenous skills and resources*
- *utilising external resources and technical expertise*

PARTICIPANTS

National Mapping Agencies

&

National Statistical Offices

PARTNERS

UN-GGIM
UNITED NATIONS INITIATIVE ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

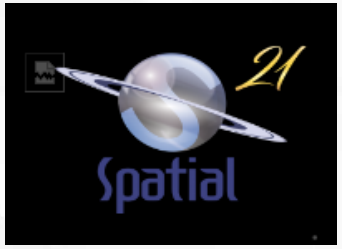
UN-GGIM:Americas
REGIONAL COMMITTEE OF
UNITED NATIONS
ON GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT
FOR THE AMERICAS

NACIONES UNIDAS
UNITED NATIONS
CEPAL
ECLAC

esri
THE
SCIENCE
OF
WHERE™

INEGI

wkkf
W.K.
KELLOGG
FOUNDATION™

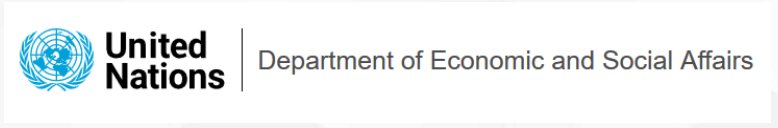

21
Spatial

URISA
Caribbean
Chapter

THE UNIVERSITY
OF THE
WEST INDIES

UNAM
Universidad Nacional
Autónoma de México

GeoTechVision
DELIVERING VALUE THROUGH INNOVATIVE SOLUTIONS


United
Nations
Department of Economic and Social Affairs

IDB
Improving lives

ACS
AEC
ASSOCIATION OF CARIBBEAN STATES
ASOCIACION DE ESTADOS DEL CARIBE
ASSOCIATION DES ETATS DE LA CARAIBE

SITUATIONAL ANALYSIS: ROUNDTABLE DISCUSSIONS

Current state of IT and GIS infrastructure

Data needs and gaps

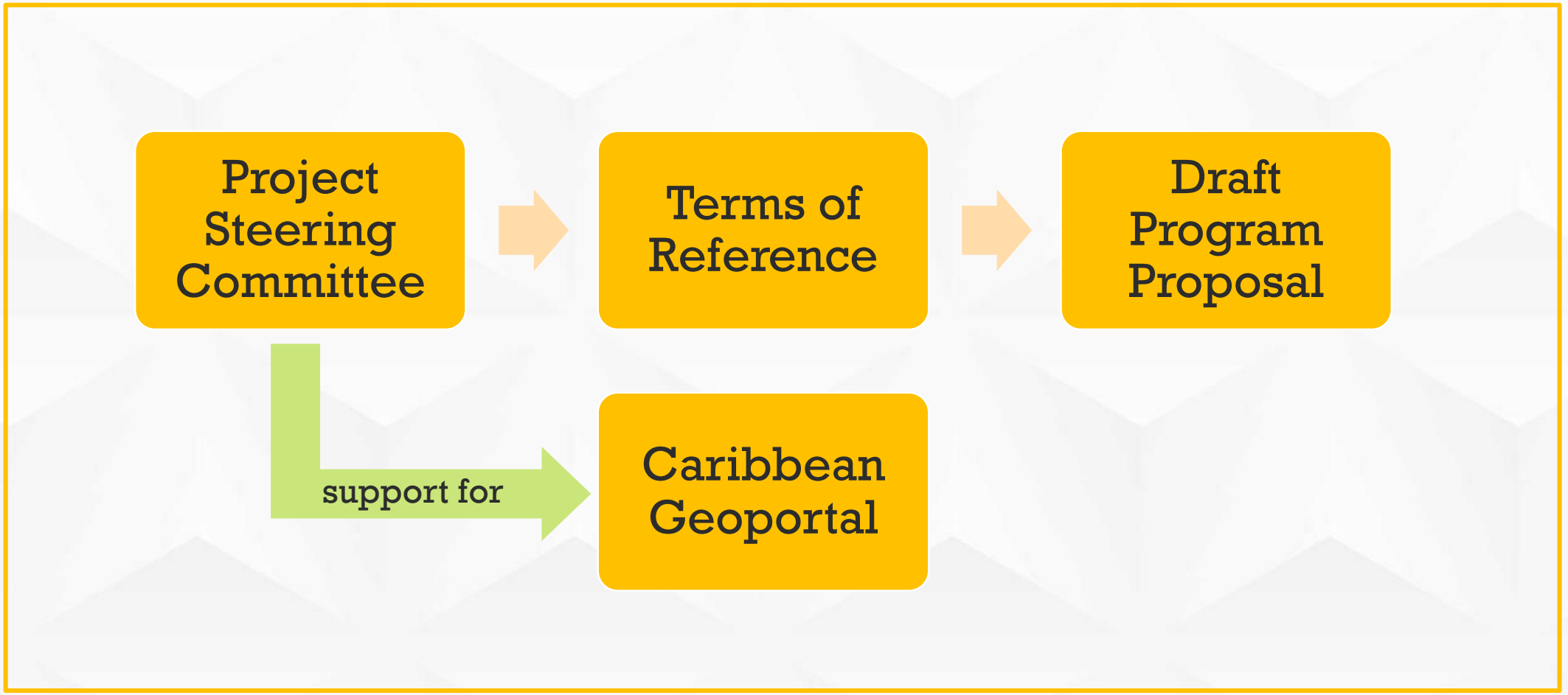
How to impact change

SITUATIONAL ANALYSIS: ROUNDTABLE DISCUSSIONS

Major Issues Identified

- Funding
- Governance
- Fundamental Data
- Data Management
- Data Sharing
- Capacity Building
- Infrastructure Investment

WORK EXECUTED



CARIGEO – GUIDING PRINCIPLES

Collaboration and coordination

Use of and adherence to geospatial standards

Ownership and accountability

Transparency

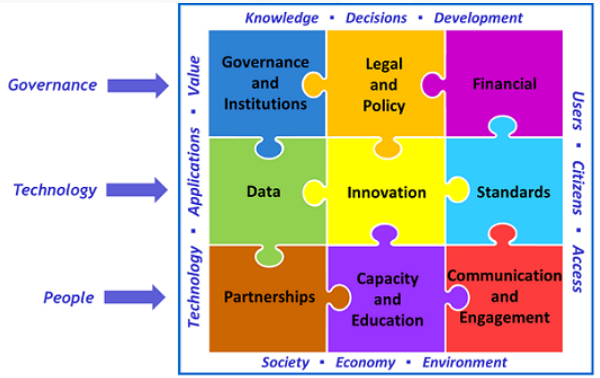
Respect and confident

Standards of service

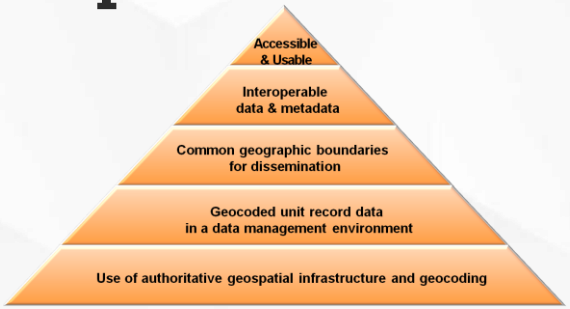
Adherence to law

CARIGEO – ALIGNMENT TO FRAMEWORKS

Integrated Geospatial Information Framework



Global Statistical Geospatial Framework



Global Geodetic Reference Frame

Strategic Framework for Disasters

CARIGEO – SCOPE OF WORK

Objectives
&
Scope of Work

1. Assessment of Current Situation in the Caribbean

TRACK

a) Secure preliminary agreements for participation

b) Secure a list of country representatives

c) Develop an assessment strategy

d) Assess the current situation on geoinformation management

2. Governance & Policies

TRACK

a) Strengthen national geospatial strategies

b) Develop country level action plans

c) Establish a monitoring and evaluation framework

d) Address national geographical names issues

e) Secure a regional strategy

f) Establish a policy basis for data sharing

3. Collaboration & Partnerships

TRACK

a) Identify key stakeholders in various sectors

b) Develop strategy to assess needs of stakeholders

c) Develop service delivery strategy

d) Establish general cooperation agreements with stakeholders

e) Monitor and evaluate implementation of agreements

f) Identify funding sources and develop financing proposals

4. Datasets & Tools

TRACK

a) Develop data inventories

b) Prepare roadmaps for the creation of regional fundamental datasets

c) Implement data management mechanisms

d) Implement national geostatistical frameworks

e) Evaluate Earth Observations solutions for the region

5. Capacity Development

TRACK

a) Support a capacity building strategy

b) Transfer knowledge to maintain technological platforms

c) Implement a knowledge base

6. Communications

TRACK

a) Design and create communication and engagement strategies

b) Conduct communication activities

c) Design and implement online tools

OUR EXPECTED FUTURE

- A **community** of spatial data producers and users is **formed** and remains **active**
- GIS and data management **capacities** are **improved** across the region
- **Increased funding** is available for the creation and updating of **fundamental spatial datasets**
- Spatial data is **shared** more broadly and **more openly** in the Caribbean
- Development decisions and **policy-formulation** take more advantage of geoinformation
- **National Legislation** to regulate and promote the use of geoinformation is enacted
- **Agreements** are instituted for **collaboration** and **corporation** on the use of geoinformation regionally