



CARIGEO

Caribbean Geospatial
Development Initiative

GEO-EMPOWERING THE CARIBBEAN



Challenges and Opportunities

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Outline of Talk

1. Existing situation
 - Economic
 - Geospatial Information Management/SDI development
2. Issue
 - Challenges
3. Discussion
 - Opportunities
4. Future



The Caribbean- in Figures

Population 2020 – 43,532,000 with **Surface area** 234,000 km²
84% population live on the coastline

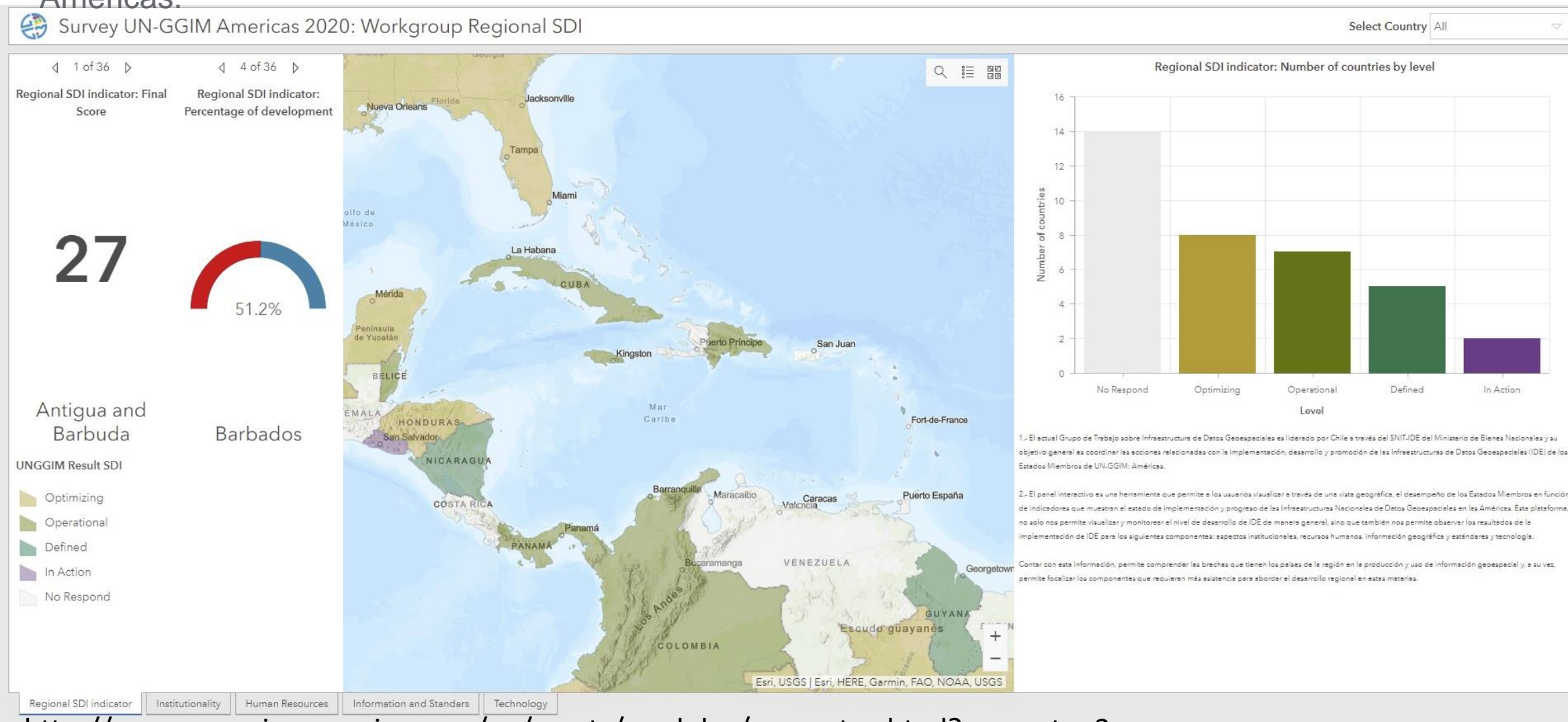
	2010	2015	2020
GDP: Gross Domestic Product (million US\$)	290 518	344 059	371 468
GDP growth rate (annual %)	1.7	2.5	-6
Individuals using the internet (per 100 inhabitants)	23.7	39.6	58.7

- High external debt
- Debt service ratio in 2019 was 29% of government revenue
- Between 1970 and 2019 – 543 disasters in the Caribbean – with total damage of 161 Billion dollars.
- In 2020 Caribbean economies contracted by 8.6%



UN-GGIM Americas, SDI Interactive dashboard

allows users to visualize through a geographical view, the performance of Member States based on indicators that show the status of implementation and progress of National Geospatial Data Infrastructures in the Americas.



Caribbean Status: SDI development

COUNTRIES	INSTITUTIONAL	HUMAN RESOURCES	INFORMATION	TECHNOLOGY	AVERAGE SCORE	STATE OF SDI
Antigua and Barbuda	55%	100%	55%	20%	57%	CONCRETE
Bahamas	91%	33%	55%	60%	60%	CONCRETE
Barbados	27%	33%	45%	20%	32%	IN ACTION
Belize	82%	100%	64%	80%	81%	OPTIMIZED
Cuba	73%	100%	100%	40%	78%	OPERATIONAL
Dominica	45%	67%	55%	40%	52%	CONCRETE
Grenada	0%	0%	0%	0%	0%	NOT RESPOND
Guyana	55%	67%	55%	20%	49%	CONCRETE
Haiti	0%	0%	0%	0%	0%	NOT RESPOND
Jamaica	73%	100%	64%	60%	74%	OPERATIONAL
Dominican Republic	73%	100%	55%	80%	77%	OPERATIONAL
Santa Lucia	0%	0%	0%	0%	0%	NOT RESPOND
Saint Vincent and the Grenadines	0%	0%	0%	0%	0%	NOT RESPOND
Saint Maarten	36%	67%	55%	60%	54%	CONCRETE
Suriname	27%	0%	36%	60%	31%	IN ACTION
Saint Kitts and Nevis	0%	0%	0%	0%	0%	NOT RESPOND
Trinidad and Tobago	0%	0%	0%	0%	0%	NOT RESPOND

STATE	RANGE
INITIAL	0-20%
IN ACTION	20,01-40%
CONCRETE	40,01-60%
OPERATIONAL	60,01-80%
OPTIMIZED	80,01-100%



The Issue

Why is there a slow or no uptake of GIM in support of sustainable national development across the Caribbean – particularly English speaking countries and territories.



Caribbean Status:GIM/SDI development



The Caribbean Mapping Organization

- Carries out core traditional functions
- Old organizational structures
- Human resource and financial constraints
- Cyclical organizational changes and varied placement across Ministries
- Little or no integration and sharing of geospatial data across agencies
- At various stages of modernization
- Few with strong presence on the web

Traditional Mapping Functions

MANAGE GOVERNMENT LANDS

- Survey Govt. lands
- Check & approve survey plans
- Archive plans and other maps

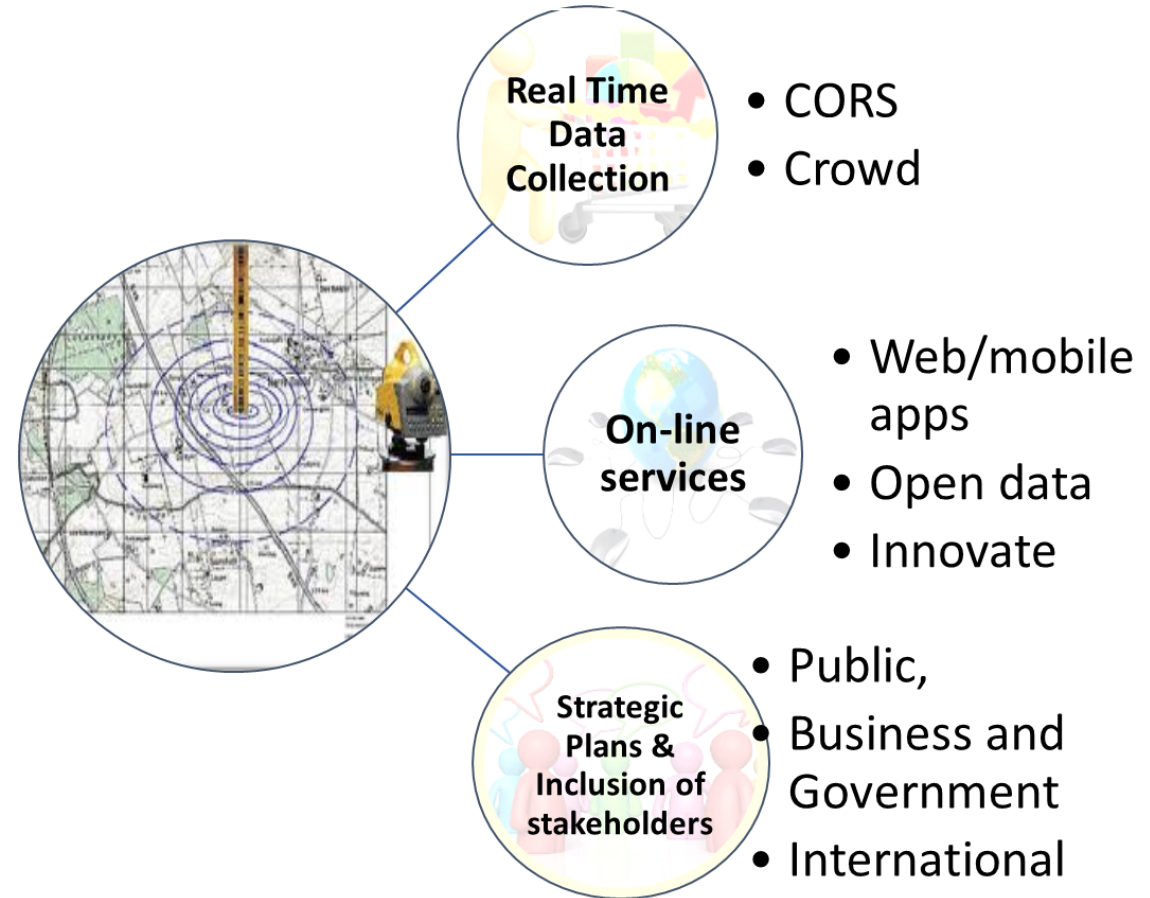
MAPPING

- Prepare, archive and sell topographic, cadastral and hydrographic charts and maps
- Procure imagery & aerial photography

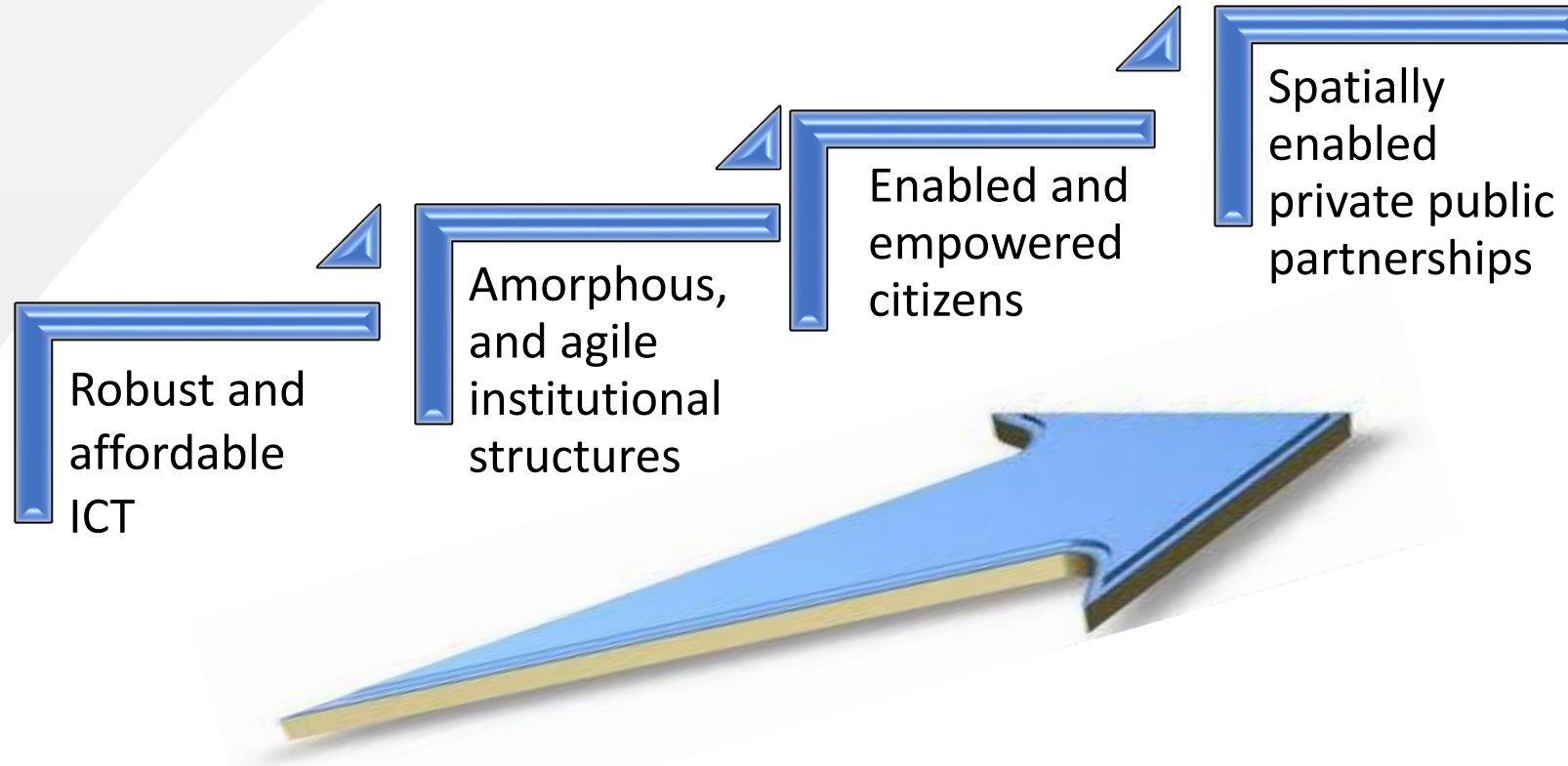
GEODETTIC NETWORK

- Build and maintain geodetic network

Modern Geospatial Organization



Geospatial Rejuvenation



Transform from production organisations to national knowledge driven shared service centres





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Thank you!

DATE