

Seventh Session UN-GGIM: Americas

Séptima Sesión
UN-GGIM: Americas



UN-GGIM: Americas

REGIONAL COMMITTEE OF
UNITED NATIONS
ON GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT
FOR THE AMERICAS

Thursday September 10, 2020

@ 9:50 – 10:20 am (UTC-4)

@ 8:50 – 9:20 am (UTC-5)

Simone Lloyd, GISP

Jamaica Co-chair support

UN-GGIM Working Group On Geospatial Information and

Services for Disasters &

Senior GIS Manager

National Spatial Data Management Branch,
Ministry Of Economic Growth & Job Creation, Jamaica

Geospatial Information and Services for Disasters



UN-GGIM: Americas

Outline

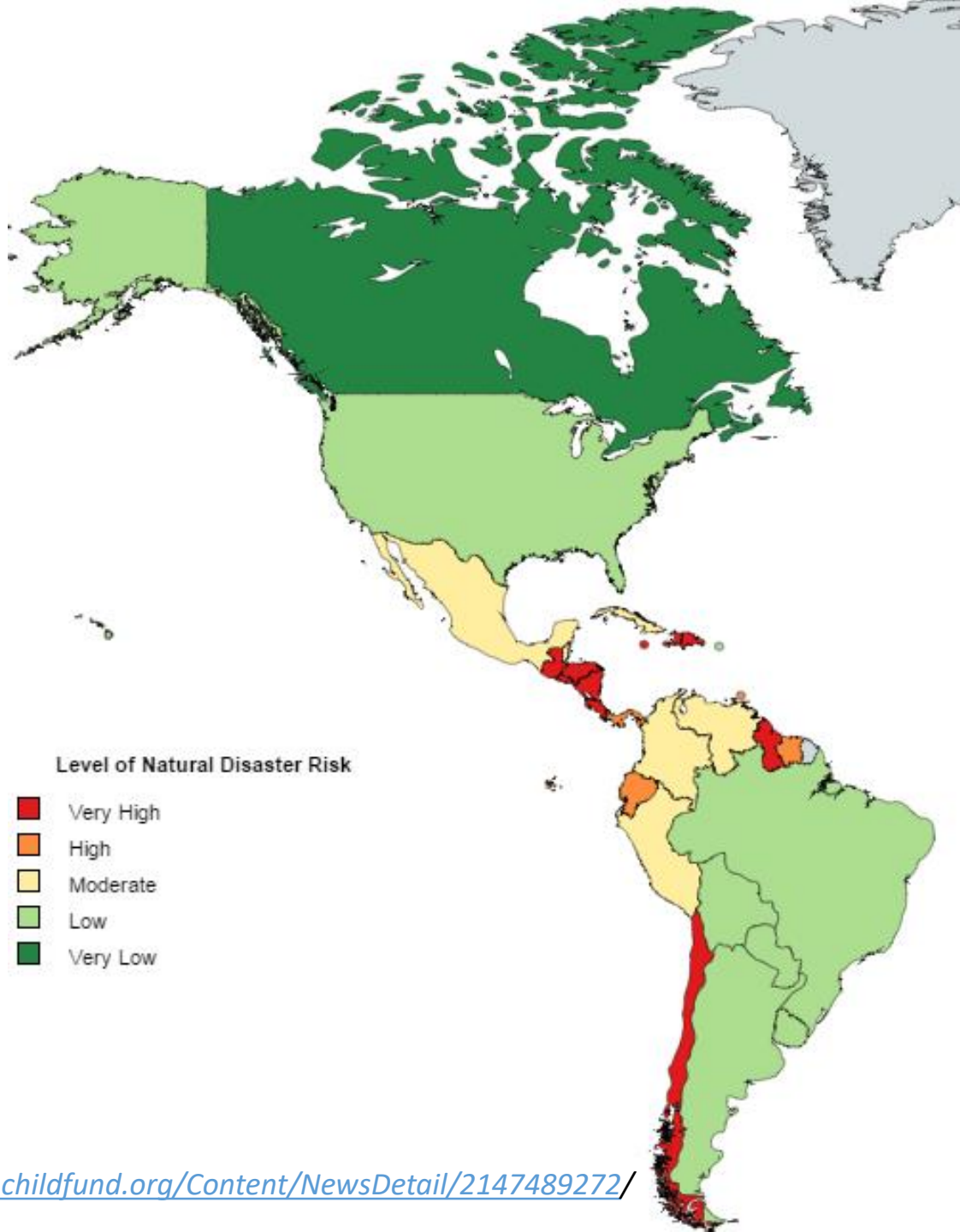
- Americas Disaster Vulnerability
- UN-GGIM WG Disasters Background
- Strategic Framework on Geospatial Information & Services for Disasters
- Status of Strategic Framework Implementation within the Americas
- Opportunities Presented by COVID-19
- COVID-19 Geospatial Response within the Americas



Americas' Disaster Vulnerability



UN-GGIM: Americas



Americas: North, Central, South America & the Caribbean *(multiple risk zone)*

Natural Disaster Risks:

- Hurricanes
- Tropical Storms
- Tropical Depressions
- Troughs
- Earthquakes
- Volcanoes
- Floods etc.

UN-GGIM WG Disasters



UN-GGIM: Americas

United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) in August 2015, under decision 5/110 supported the proposal to establish a working group to further develop and implement a strategic framework that would be:

Focused in a practical manner;

Aligned with the outcome and follow-up to the Sendai Framework for Disaster Risk Reduction 2015-2030 and its implementation;

Able to take into consideration the special needs of developing countries, especially with respect to capacity building and knowledge sharing and;

Broadly representative of different regions of the world and taking into account regional experiences.



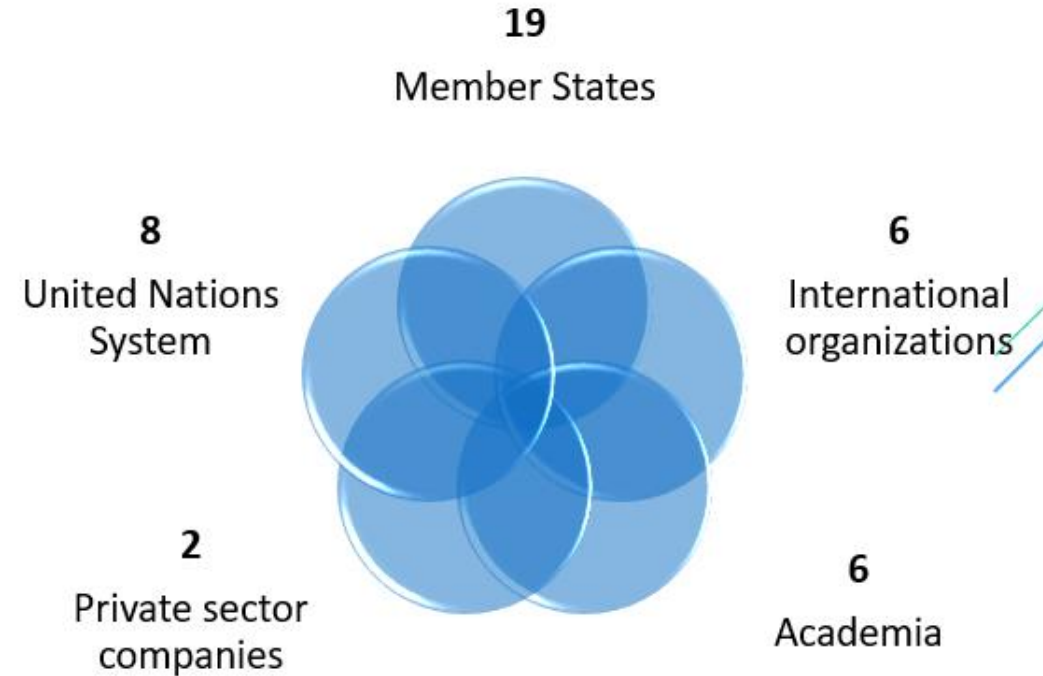
Leadership & Membership



- **Co-chairmanship:** Jamaica and Japan
(August 2019 – Present)



- **Previous Co-Chairmanship:** Jamaica and Philippines
(2016 – 2019)





Strategic Framework on Geospatial Information & Services for Disasters

UN-GGIM WG Disasters: Strategic Framework on Geospatial Information and Services for Disasters



Access the Strategic Framework here:

http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_final.pdf

The Strategic Framework on Geospatial Information and Services for Disasters was adopted by the UN Economic and Social Council in July 2018 under resolution 2018/14 (available in all 6 languages, see below, Documents then 2018)

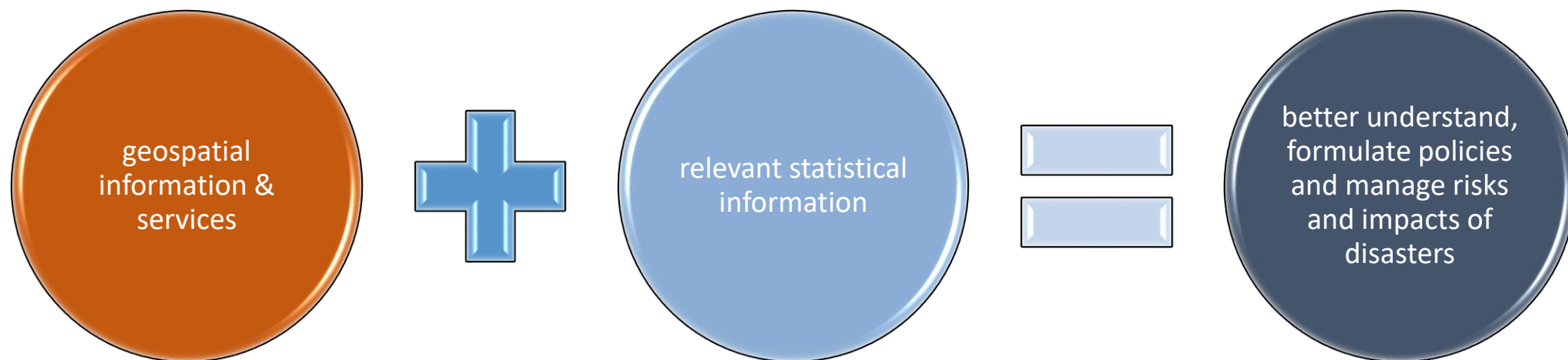
[Arabic](#) [Chinese](#) [English](#) [French](#) [Russian](#) [Spanish](#)



UN-GGIM: Americas

The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events.

Use of:



Member States



UN-GGIM: Americas

Five Priorities for Action



Governance
and Policies



Awareness Raising
and Capacity Building



Data
Management



Common Infrastructure
and Services



Resource
Mobilization

Advance the use of
Geographic
information to
support **Disaster
Risk Reduction in
the Americas.**



UN-GGIM: Americas

<http://ggim.un.org/meetings/2017-Kunming/documents/Session%207%20-%20UNGGIM%20WG%20on%20Geospatial%20Information%20and%20Services%20for%20Disasters.pdf>

Strategic Framework Assessment Tool



UN-GGIM: Americas

Assessment Survey

UN-GGIM WG-Disasters is conducting an Assessment Survey that:

- will help **gauge the level and status** of implementation of **geospatial information and services for disasters initiatives** relative to the **Strategic Framework** among Member States.
- aims to **understand the national geospatial information and services landscape** across all phases of disasters within Member States.
- can be used by Member States to **better develop their national implementation plans** for geospatial information and services in support of disaster risk reduction and management (DRRM).



UN-GGIM Strategic Framework on Geospatial Information and Services for Disasters ASSESSMENT SURVEY

The Working Group on Geospatial Information and Services for Disasters (WG-Disasters) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) has formulated a Strategic Framework on Geospatial Information and Services for Disasters which has been adopted by the Committee of Experts in August 2017, and by the United Nations Economic and Social Council (ECOSOC) on 2 July 2018. The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events. More about the Framework is available at this link <http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_Final.pdf>.

In view of this, the WG-Disasters is conducting an Assessment Survey that will help gauge the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among Member States. The Survey aims to understand the national geospatial information and services landscape across all phases of disasters within Member States. Alternatively, the tool can be used by Member States to better develop their national implementation plans for geospatial information and services in support of disaster risk reduction and management (DRRM).

The Survey will require approximately 30-45 minutes to complete. It is intended to be accomplished by the representative of each Member State in the WG-Disasters or the designated focal organization that has the mandate for national DRRM. While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.

The activities in each priority area will be rated using the rating scale shown in the table below. It is important that the assessment be made in reference to established policies, infrastructures, systems or procedures in the national context and NOT at the organizational level. As assessments may be based on perception, additional remarks, and supporting document/s may be attached or provided to make the results as factual as possible. We commit to ensuring that all personal information will be treated with utmost confidentiality.

Category	Description
4	The initiative is fully implemented in my country
3	The initiative is currently being implemented in my country, with minor tasks still need to be done
2	The initiative is currently being implemented in my country, with major tasks still need to be done
1	The initiative is not yet implemented in my country
0	Unaware of the initiative, and its implementation in my country

Your usual cooperation will be highly acknowledged. Thank you!

Co-Chairs, WG-Disasters

Category	Description
4	The initiative is fully implemented in my country
3	The initiative is currently being implemented in my country, with minor tasks still need to be done
2	The initiative is currently being implemented in my country, with major tasks still need to be done
1	The initiative is not yet implemented in my country
0	Unaware of the initiative, and its implementation in my country

Complete Strategic Framework Assessment tool:
<https://bit.ly/2TxLF0t>

Americas Region deadline: August 31, 2020
Global deadline: extended to Oct 2, 2020



UN-GGIM: Americas

a. GOVERNANCE AND POLICIES

Policies, collaborative agreements and legal frameworks aiming at improving the availability and accessibility of quality geospatial information and services among all stakeholders and partners established and implemented before, during and after disasters

1. Political support in terms of policy and leadership is provided by the government in implementing the **five priorities**¹ for action contained in the strategic framework

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____

2. Financial support is provided by the government in implementing the **five priorities** for action contained in the strategic framework

0

c. DATA MANAGEMENT

Geospatial databases and information products are developed based on common standards, protocols and processes as important tools in every decision-making process across all phases of DRM

1. A common and accessible database system of minimum/baseline geospatial information and services requirements, including an initial list of essential elements of information (EIs) is developed and used

0 1 2 3 4

- Remarks: _____

Questions
focused on:

Action

Survey
tool

Five

for

Priorities

b. AWARENESS RAISING AND CAPACITY BUILDING

Awareness is raised among concerned entities on the importance of geospatial information and services and all necessary technical and human capacities are built and/or strengthened

1. Geospatial information and services are translated into strategies and tools that can easily be understood and used by a wider audience (e.g., using local languages, reflecting area and issue-based scenarios, use of social media)

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____

Inclusion of geospatial information management as applied to disaster risk management (DRM) in academic programs is promoted and advanced

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____

d. COMMON INFRASTRUCTURE AND SERVICES

Common facilities and services are established for all key stakeholders and partners to have a common operational picture of emergency scenarios

1. A common infrastructure and facility, particularly a national operations center is established

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____

2. A maintenance program supporting the common infrastructure and facility, particularly a national operations center, is established

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____

e. RESOURCE MOBILIZATION

All necessary technical, human and financial resources are available to sustain all the activities of DRM

1. DRM organizations are sensitized on the necessity of funding the acquisition, maintenance and updating of geospatial information and services for disasters

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____

2. The academe and other scientific and research institutions are encouraged to prioritize funding for the conduct of researches, development and extension activities in the implementation of the strategic framework

0 1 2 3 4

- Remarks: _____
- Attach pertinent document to support your assessment or provide the title of document _____



UN-GGIM: Americas



Strategic Framework on Geospatial Information and Services for Disasters ASSESSMENT SURVEY

The Working Group on Geospatial Information and Services for Disasters (WG-Disasters) of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) has formulated a Strategic Framework on Geospatial Information and Services for Disasters which has been adopted by the Committee of Experts in August 2017, and by the United Nations Economic and Social Council (ECOSOC) on 2 July 2018. The Framework aims to guide Member States and other stakeholders in making available and accessible all quality geospatial information and services before, during and after disaster events. More about the Framework is available at this link <http://ggim.un.org/documents/UN-GGIM_Strategic_Framework_Disasters_final.pdf>.

In view of this, the WG-Disasters is conducting an Assessment Survey that will help gauge the level and status of implementation of geospatial information and services for disasters initiatives relative to the Strategic Framework among Member States. The Survey aims to understand the national geospatial information and services landscape across all phases of disasters within Member States. Alternatively, the tool can be used by Member States to better develop their national implementation plans for geospatial information and services in support of disaster risk reduction and management (DRRM).

The Survey will require approximately 30-45 minutes to complete. It is intended to be accomplished by the representative of each Member State in the WG-Disasters or the designated focal organization that has the mandate for national DRRM. While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.

The activities in each priority area will be rated using the rating scale. It is important that the assessment be made in reference to established policies, infrastructures, systems or procedures in the national context and NOT at the organizational level. As assessments may be based on perception, additional remarks, and supporting document/s may be attached or provided to make the results as factual as possible. We commit to ensuring that all personal information will be treated with utmost confidentiality.

* Required

BACKGROUND INFORMATION

1. Full Name *

Enter your answer



Strategic Framework on Geospatial Information and Services for Disasters ASSESSMENT SURVEY

RATING SCALE AND PRIORITIES

Category Description

- 5 The initiative is fully implemented in my country
- 4 The initiative is currently being implemented in my country, with minor tasks still need to be done
- 3 The initiative is currently being implemented in my country, with major tasks still need to be done
- 2 The initiative is not yet implemented in my country
- 1 Unaware of the initiative, and its implementation in my country

The five priorities of the Strategic Framework on Geospatial Information and Services for Disasters are:

- Priority 1: Governance and policies,
 - Priority 2: Awareness-raising and capacity-building,
 - Priority 3: Data management,
 - Priority 4: Common infrastructure and services, and
 - Priority 5: Resource mobilization.
- (para 12 of the Annex of E/2018/L.15).



Strategic Framework on Geospatial Information and Services for Disasters ASSESSMENT SURVEY

a. GOVERNANCE AND POLICIES

Policies, collaborative agreements and legal frameworks aiming at improving the availability and accessibility of quality geospatial information and services among all stakeholders and partners established and implemented before, during and after disasters.

7. Political support in terms of policy and leadership is provided by the government in implementing the five priorities for action contained in the strategic framework (a.1)

Select the category (1, 2, 3, 4, 5) that best corresponds to your assessment.

- 1

2

3

4

5
- ☐

☐

☐

☐

☐



Results of Strategic Framework Assessment Tool within the Americas

Strategic Framework - Survey Results

- While the Survey intends to capture national perspective, the views and opinions of other national government agencies, sub-national government units, private sector and other stakeholders in DRRM is encouraged in order to aid Member States in preparing an integrated national assessment.
- **Respondents:**
 - 42/198 UN-GGIM Member States
 - **12/36 UN-GGIM: Americas Member States**
 - **16 respondents within UN-GGIM: Americas**



Priority 1:



Governance and Policies

Good governance and science-based policies are essential

Outlines strategies at the National and Local Levels & Global and Regional Levels

To make available and accessible all quality geospatial information and services across all phases of the DRRM

Specific activities:

- Assessment and Planning
- Institutional Arrangements
- Collaboration and Coordination
- Monitoring and Evaluation

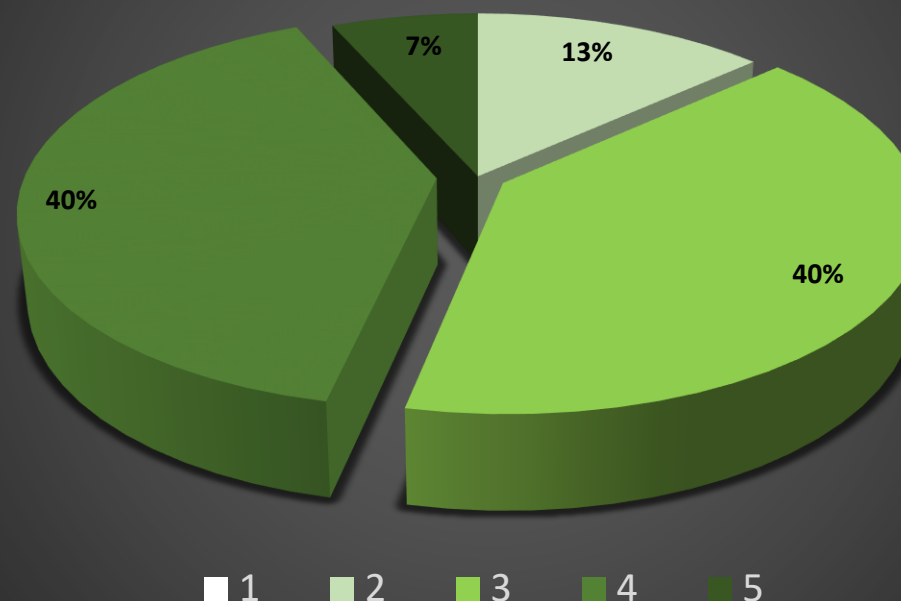


Priority 1:



Governance and Policies

Political Support



*Political support in terms of **policy and leadership** is provided by the government in **implementing the five priorities** for action contained in the strategic framework*

Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country



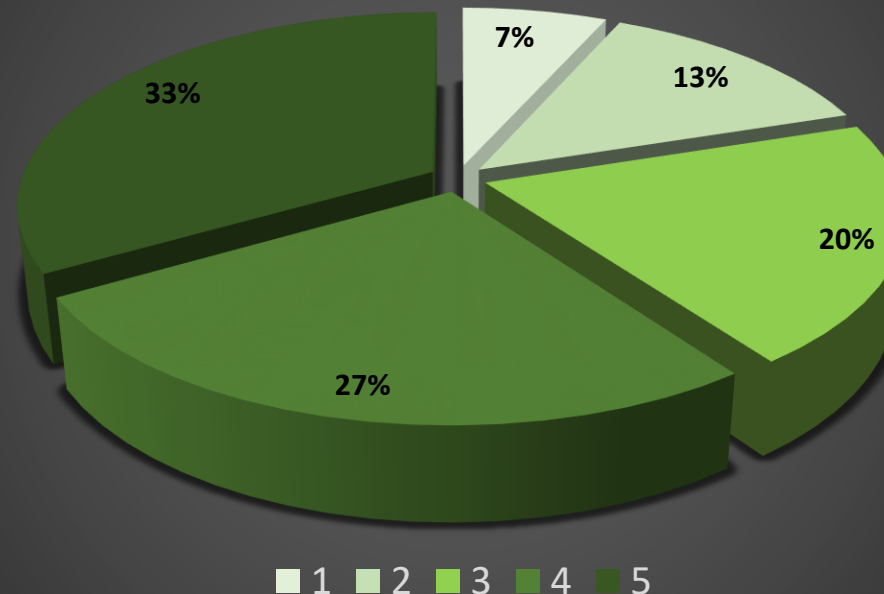
UN-GGIM: Americas

Priority 1:



Governance and Policies

Financial Support



Financial support is provided by the government in implementing the five priorities for action contained in the strategic framework.

Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

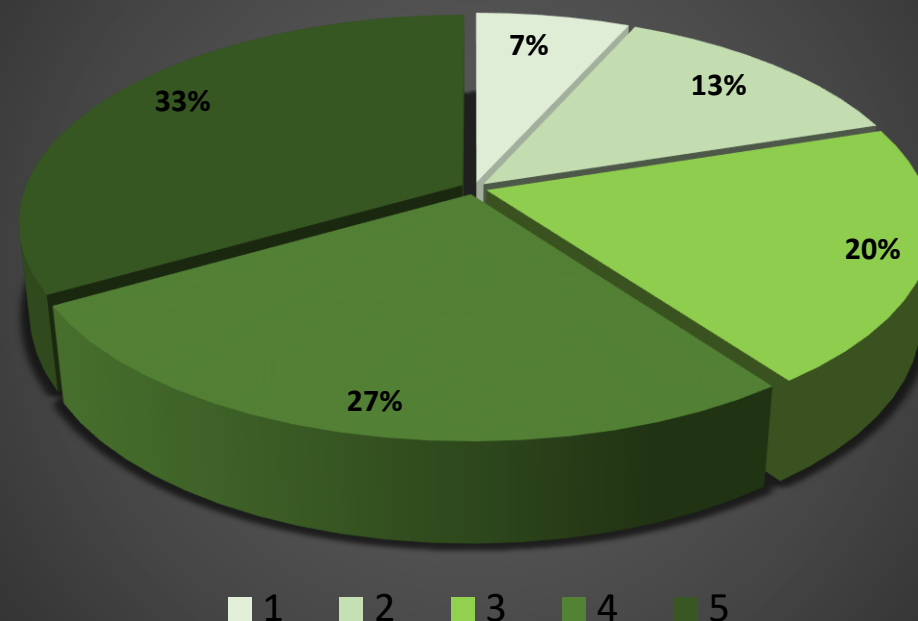


Priority 1:



Governance and Policies

Champion Identified



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

*A champion, i.e., **individual or organization that oversees the implementation of the five priorities for action and ensures an inclusive participation of all stakeholders and key.***



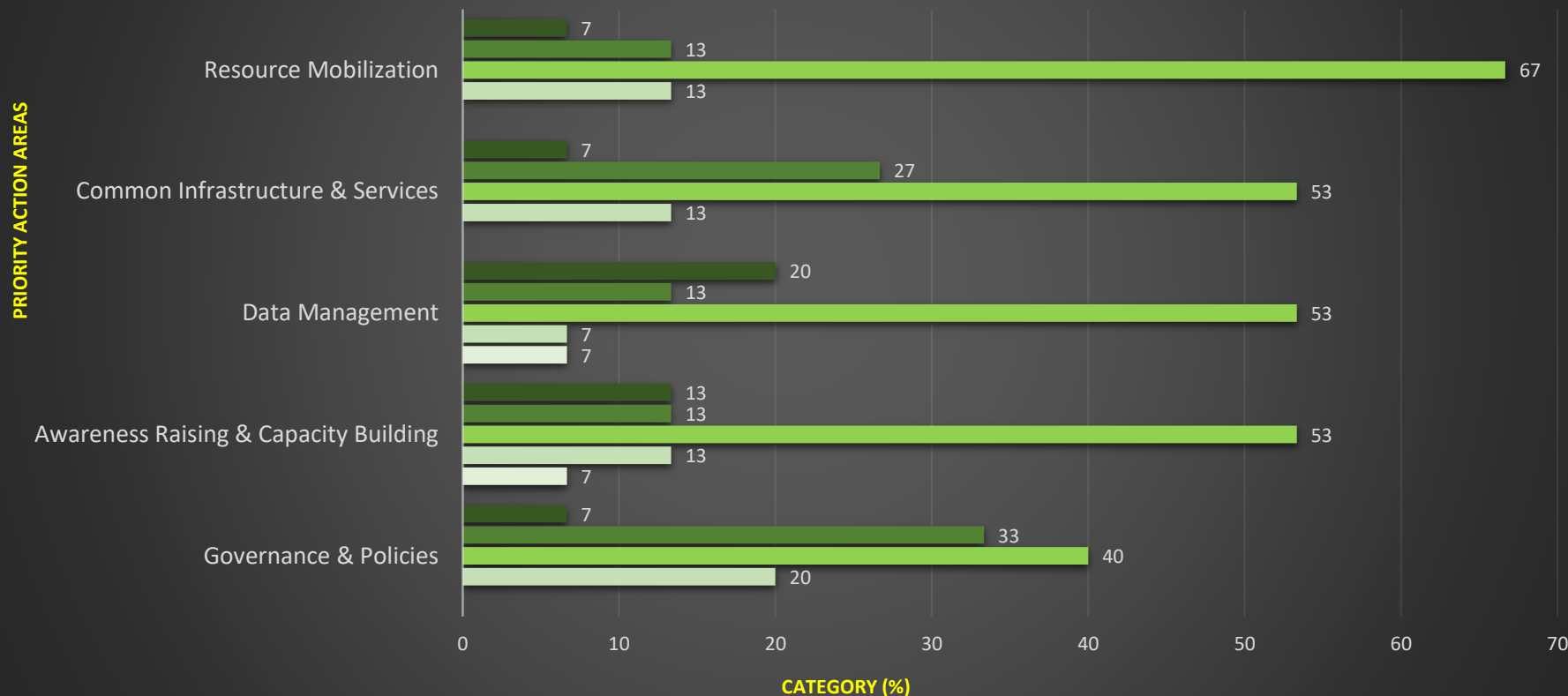
UN-GGIM: Americas

Priority 1:



Governance and Policies

Monitoring & Evaluation Program Implemented to track the Country's Progress



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country



UN-GGIM: Americas

Priority 2:



Awareness Raising and Capacity Building

Involves pursuing awareness raising and capacity building initiatives leading to better understanding and appreciation of the relevance of geospatial data and information to DRRM

Awareness of geospatial data and information holdings and gaps

Inclusion of geospatial information management as applied to DRM in academic programs

Geospatial information management training programs



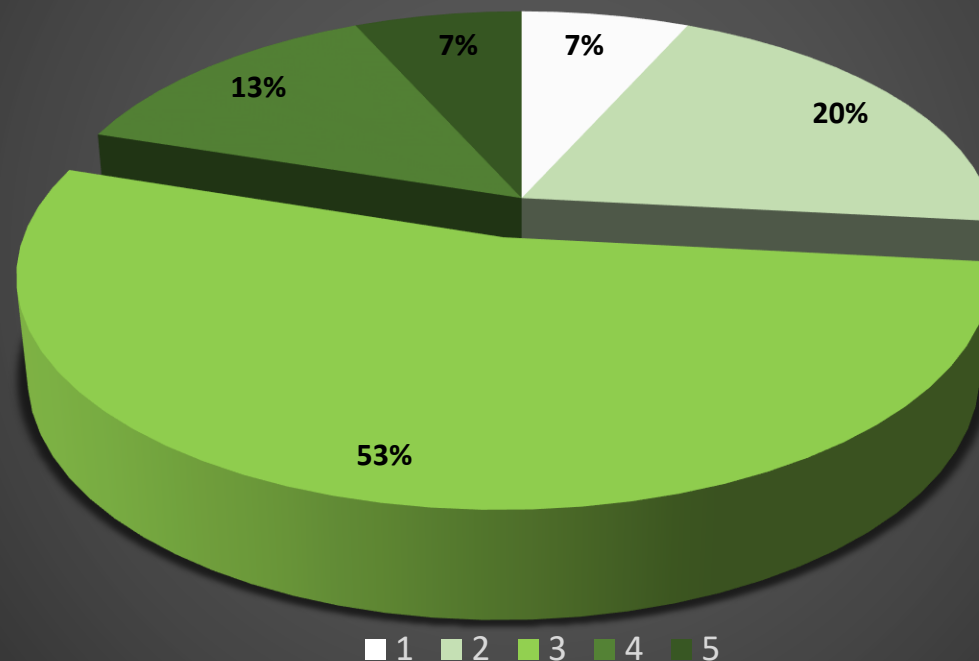
UN-GGIM: Americas

Priority 2:



Awareness Raising and Capacity Building

Geospatial information and services are translated into easily understood strategies and tools



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country



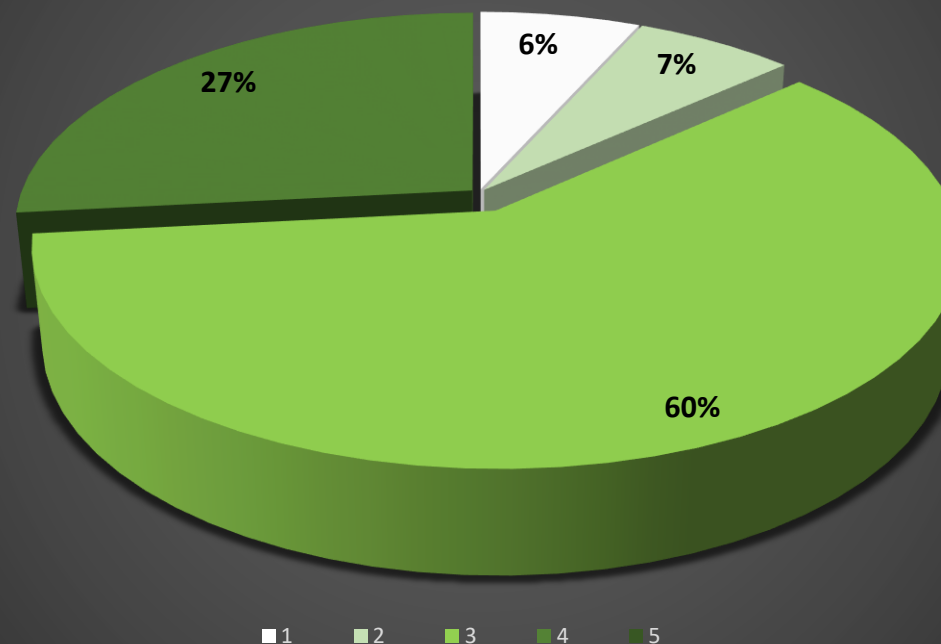
UN-GGIM: Americas

Priority 2:



Awareness Raising and Capacity Building

GI & Services integrated in Academic Programs



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

Inclusion of geospatial information management as applied to disaster risk management (DRM) in academic programs is promoted and advanced



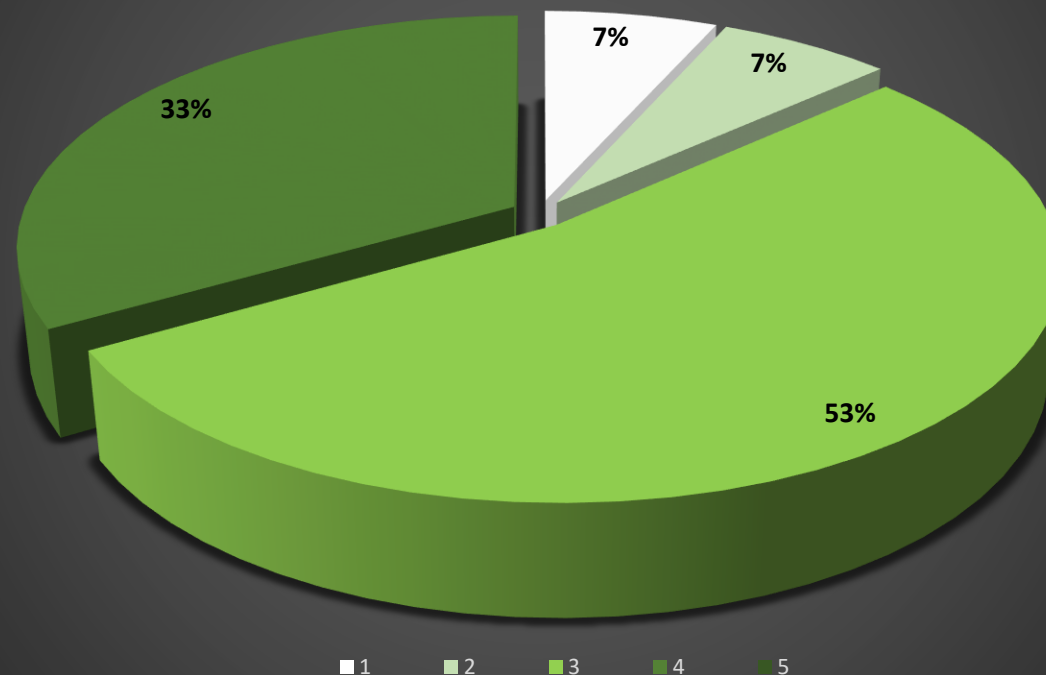
UN-GGIM: Americas

Priority 2:



Awareness Raising
and Capacity Building

DRM-related researches using GI & Services are
initiated and managed



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

Inclusion of geospatial information management as applied to disaster risk management (DRM) in academic programs is promoted and advanced



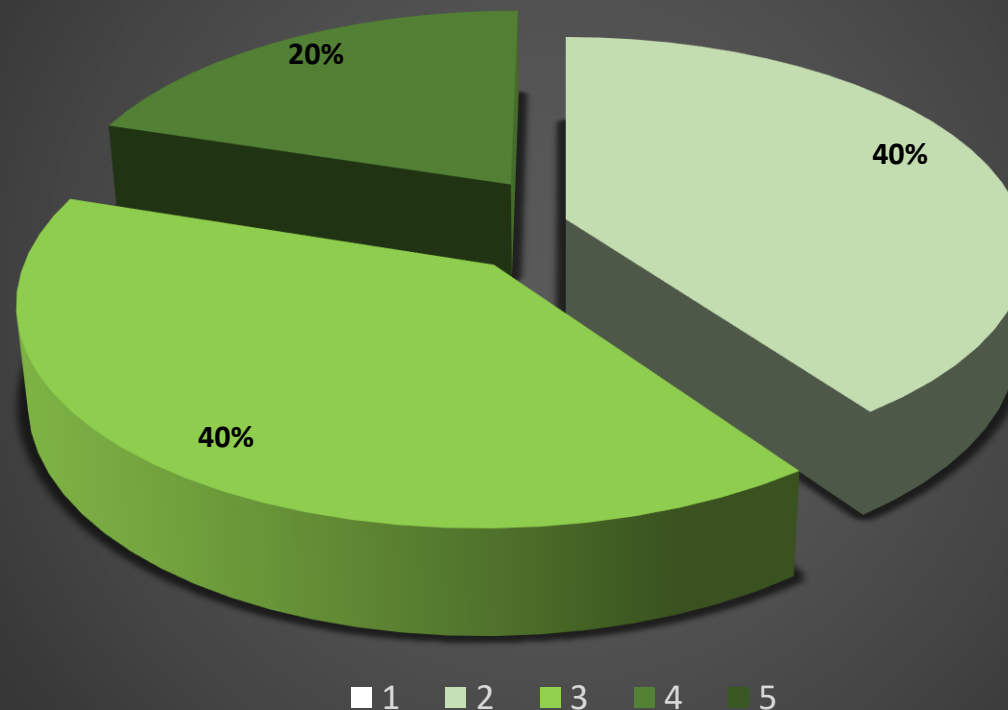
UN-GGIM: Americas

Priority 2:



Awareness Raising and Capacity Building

Training programs on the use of GI & Services



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

Inclusion of geospatial information management as applied to disaster risk management (DRM) in academic programs is promoted and advanced



UN-GGIM: Americas

Priority 3:



Data Management

Comprehensive methods of collecting and managing geospatial data and information:

- o Data Development

- o Data Standards and Protocols

- o Data Use Guidelines

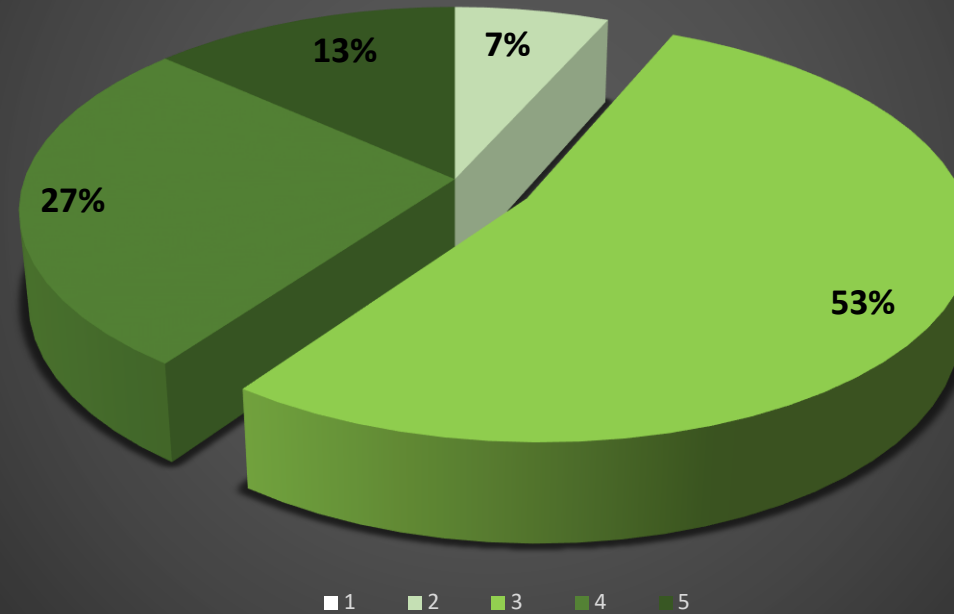


Priority 3:



Data Management

Existence of a common and accessible database system



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

A common and accessible database system of minimum/baseline geospatial information and services requirements, including an initial list of essential elements of information (EEl)s is developed and...



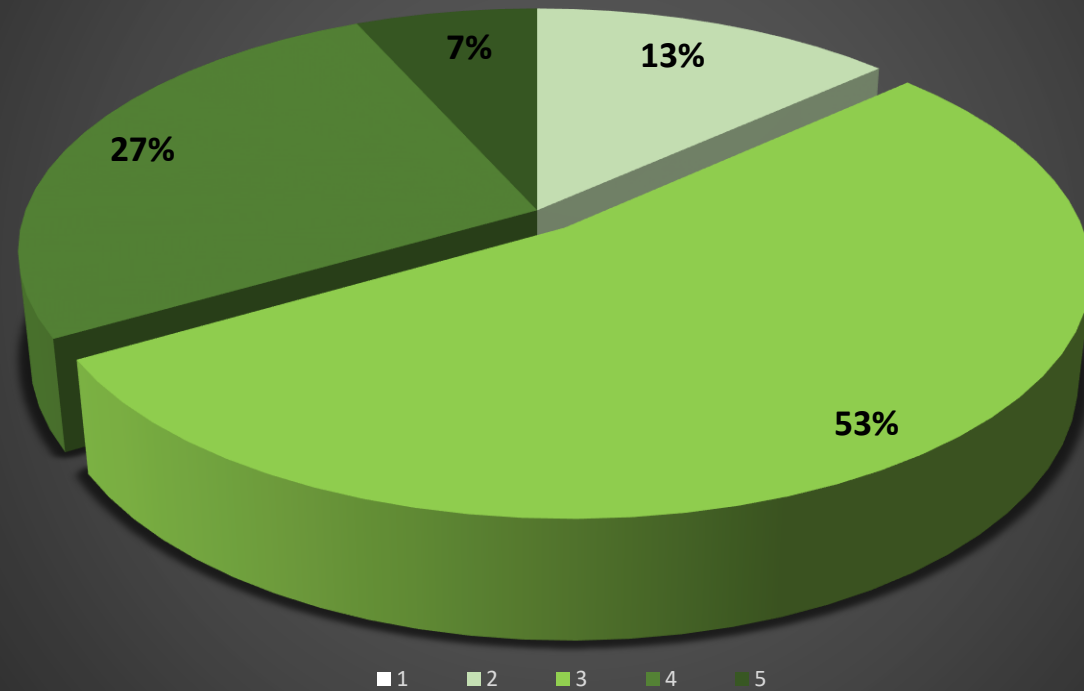
UN-GGIM: Americas

Priority 3:



Data
Management

National and local DRM plans include hazard, vulnerability and disaster risk assessment maps, etc.



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

Hazard, vulnerability and disaster risk assessment maps, and other information products as crucial inputs to national and local DRM plans are developed and used



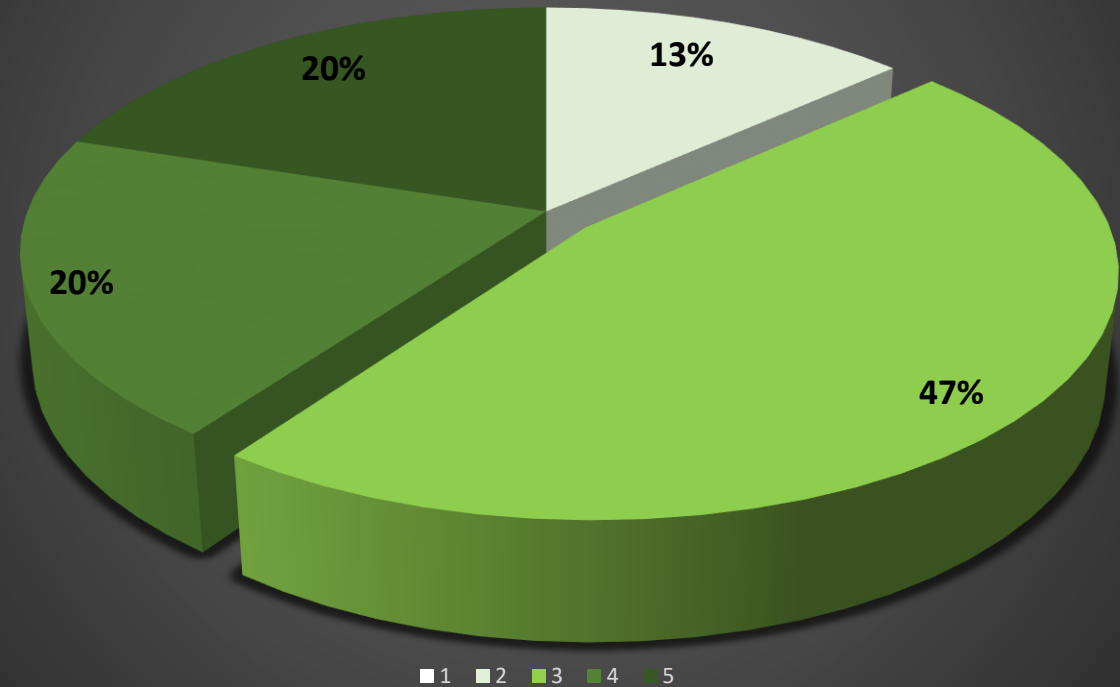
UN-GGIM: Americas

Priority 3:



Data
Management

A common contact database of national and local emergency responders



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

A common contact database of national and local emergency responders, as well as a registry of all humanitarian response/assistance organizations are established, maintained and updated



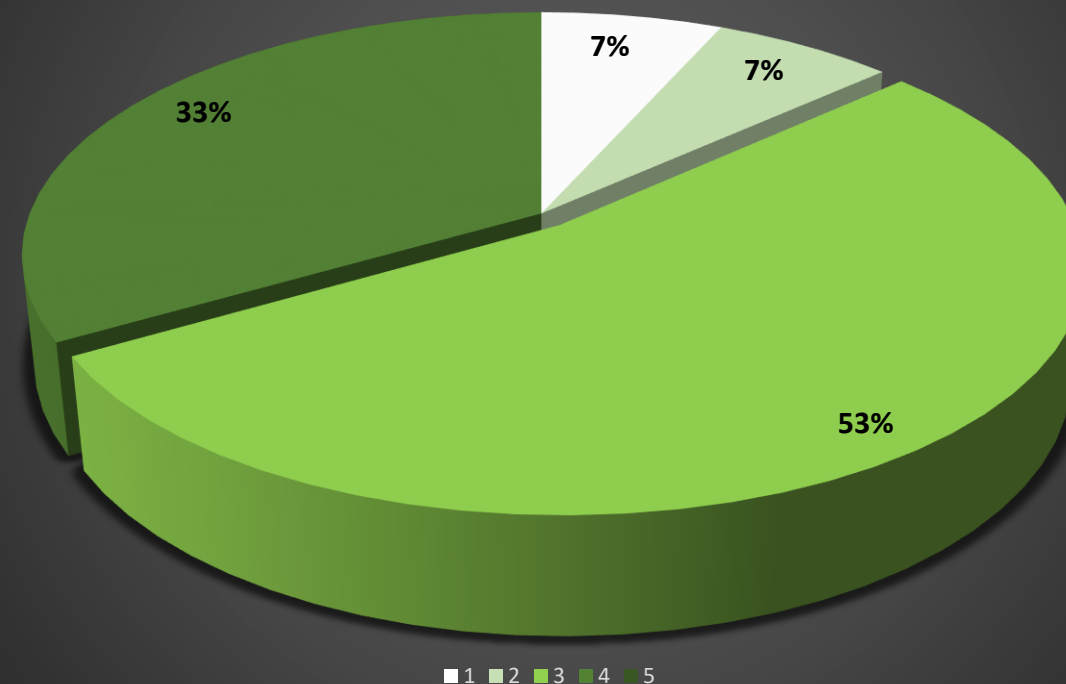
UN-GGIM: Americas

Priority 3:



Data Management

Data management guidelines incorporates key factors



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

Data management guidelines including, but not limited to data sharing; data classification; data custodianship; data stewardship; metadata; data security and control; and data backup and recovery ...



UN-GGIM: Americas

Priority 4:



Common Infrastructure and Services

Infrastructure support is essential towards institutionalizing geospatial information and services

Infrastructure such as hardware, software, network and manpower capacities needed to process and further improve geospatial information and services

Possible establishment of a **Common Operations Center** by national governments, focused on the interoperability of systems and processes to allow geospatial data and information sharing among all DRM actors

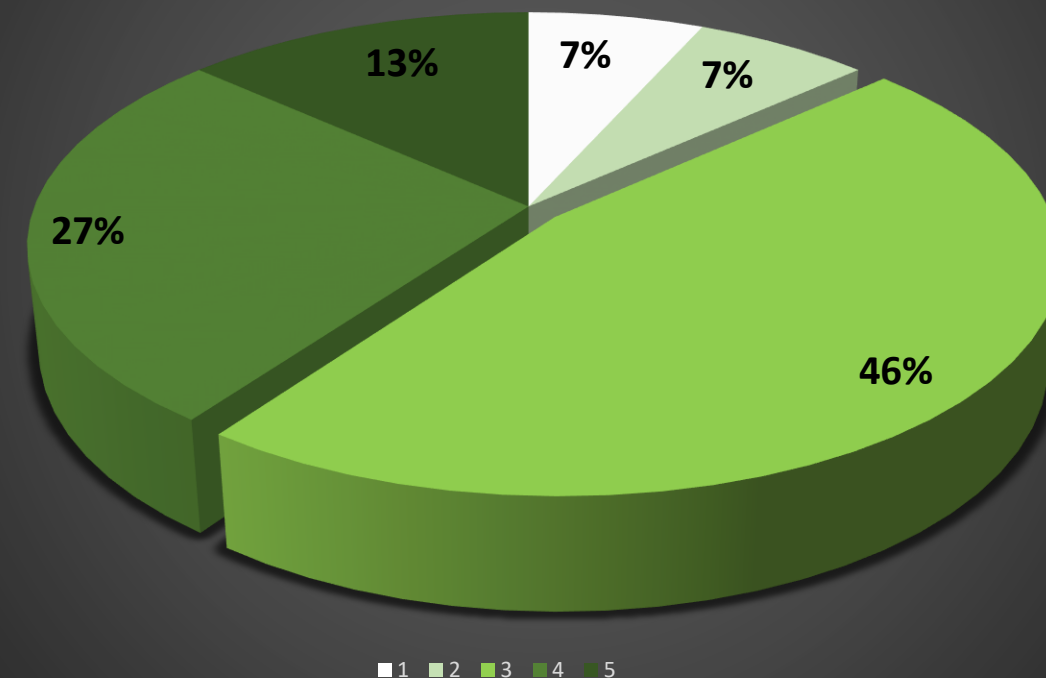


Priority 4:



Common Infrastructure and Services

A common infrastructure and facility, particularly a national operations center is established



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

A common infrastructure and facility, particularly a national operations center is established.



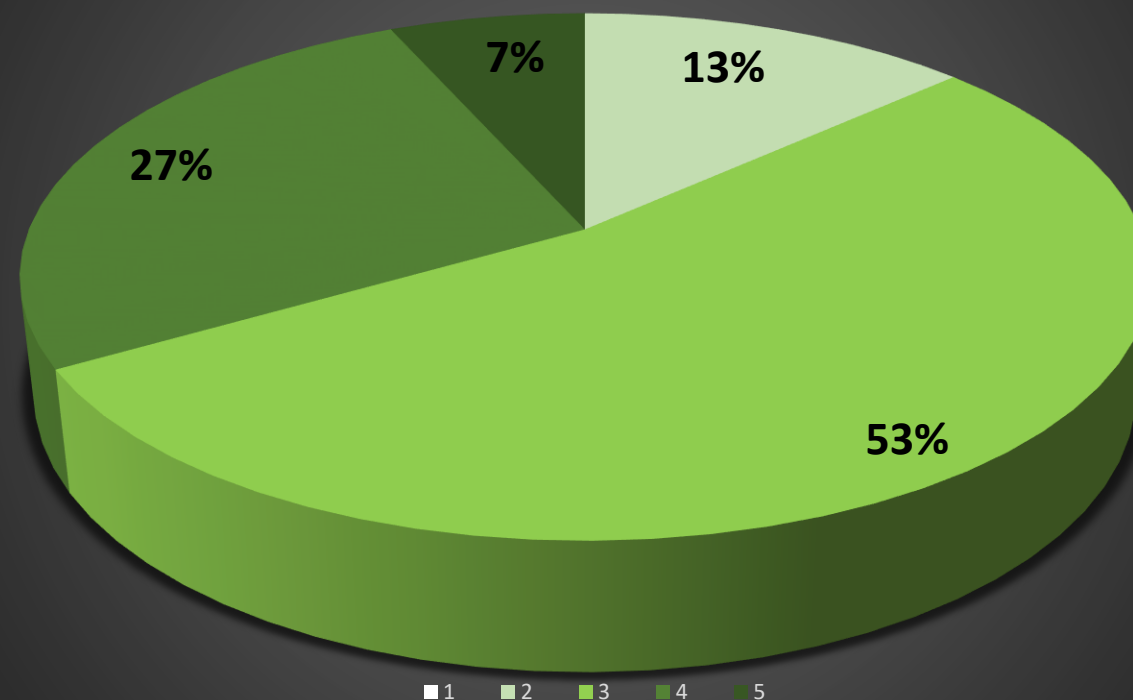
UN-GGIM: Americas

Priority 4:



Common Infrastructure and Services

A backup facility for online and offline access to geospatial data



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

*A backup facility for online and offline access to geospatial data **to sustain operations during disasters** is established.*



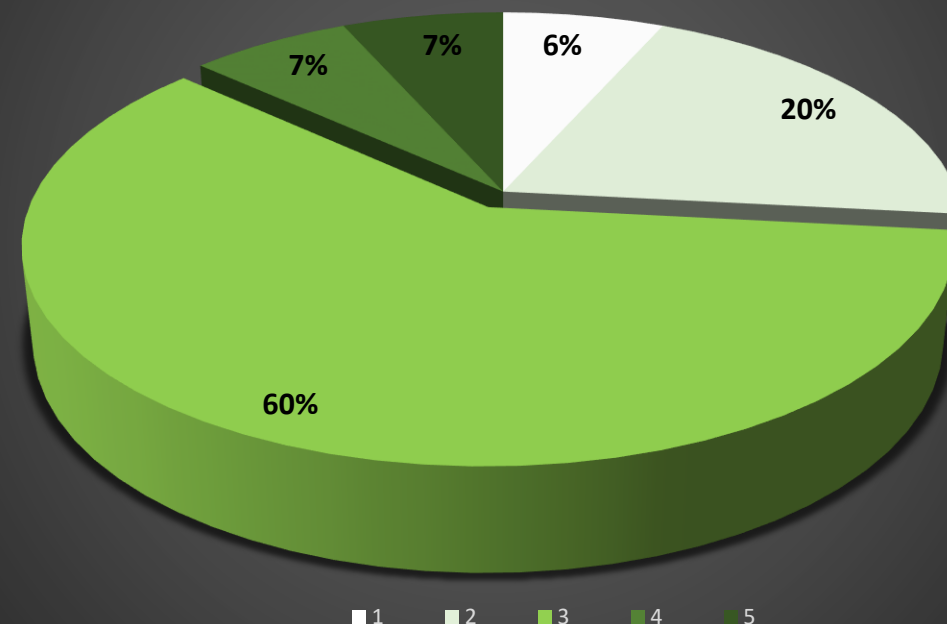
UN-GGIM: Americas

Priority 4:



Common Infrastructure and Services

Interoperability of all systems and processes in DRM organizations



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

Interoperability of all systems and processes in DRM organizations is ensured.

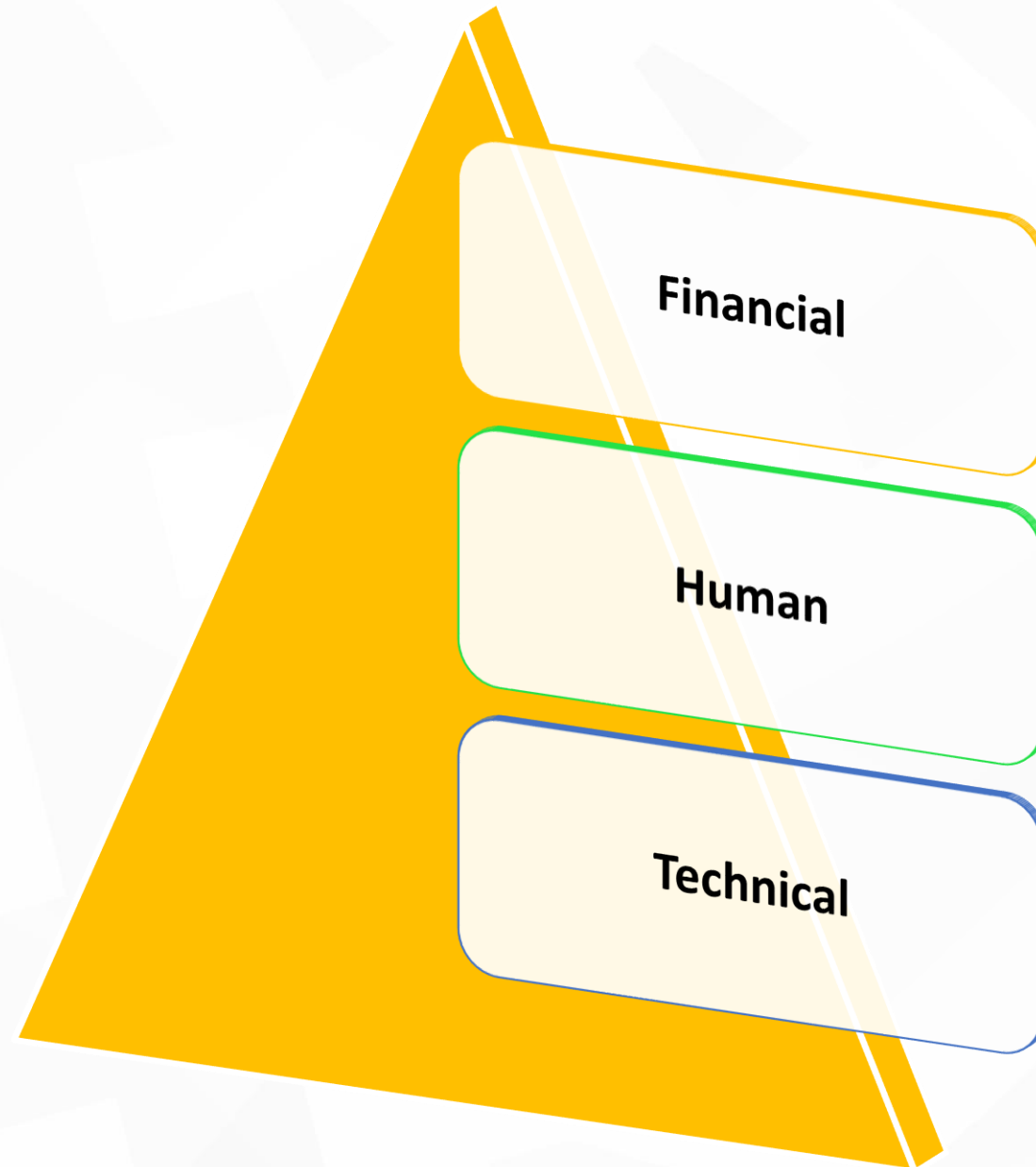


UN-GGIM: Americas

Priority 5:



Resource Mobilization



Extensive resources needed for the creation, improvement and maintenance of all geospatial information and services in order to sustain all DRRM activities:



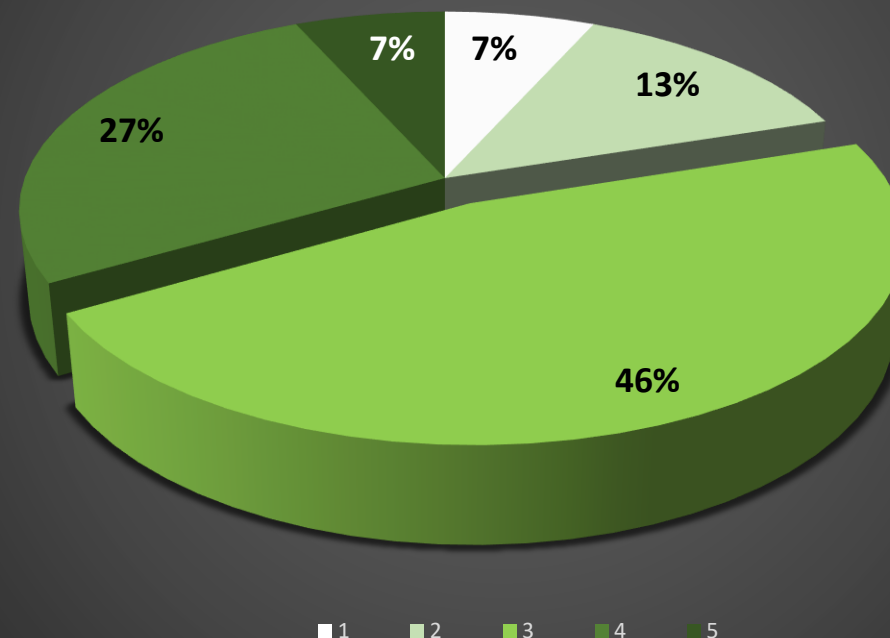
UN-GGIM: Americas

Priority 5:



Resource Mobilization

DRM organizations are sensitized on the necessity of funding GI & Services for DRM



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

DRM organizations are sensitized on the necessity of funding the acquisition, maintenance and updating of geospatial information and services for disasters.



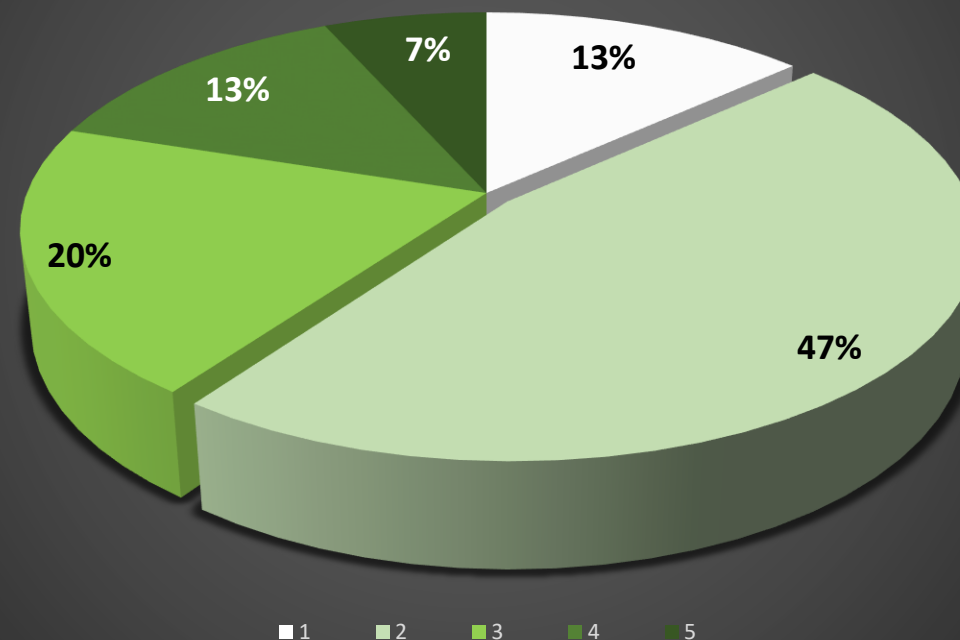
UN-GGIM: Americas

Priority 5:



Resource Mobilization

The private sector encouraged to invest in GI & Services for DRM



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

The private sector, including financial institutions are encouraged to invest in the provision of geospatial information and related services for DRM.



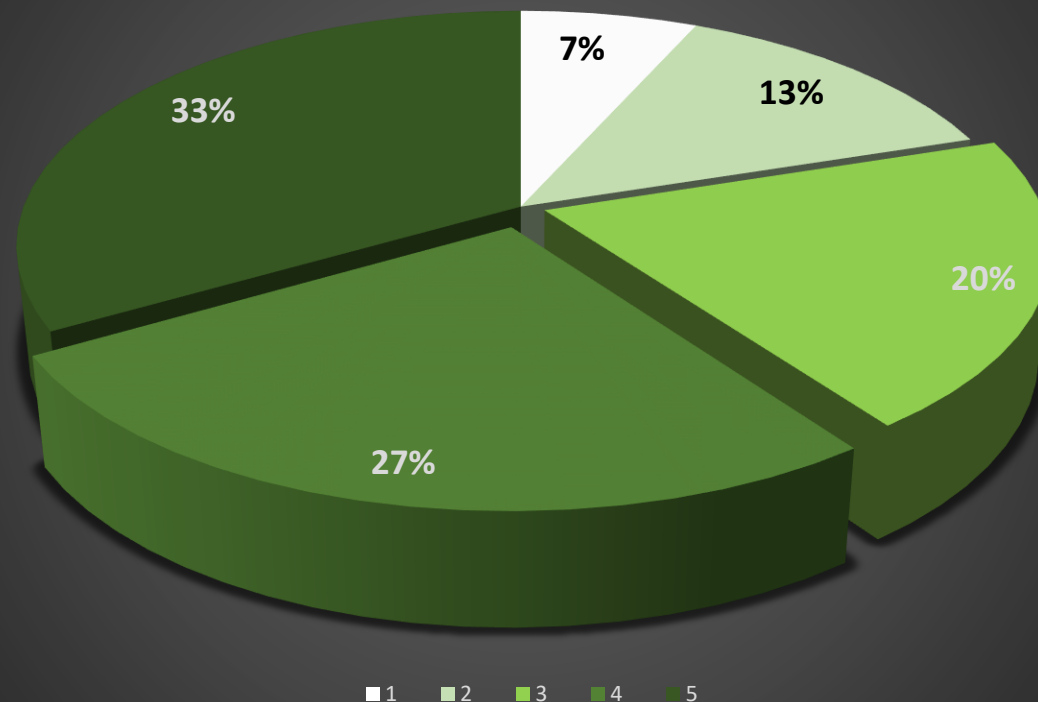
UN-GGIM: Americas

Priority 5:



Resource Mobilization

Funding support easily accessible for implementation of the five priorities for action



Category	Description
5	The initiative is fully implemented in my country
4	The initiative is currently being implemented in my country, with minor tasks still need to be done
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country
1	Unaware of the initiative, and its implementation in my country

*Funding support for the activities in the implementation of the five priorities for action, including **grants, loans and other forms of financial support** are easily accessible.*



UN-GGIM: Americas

Results Summary: Americas Region

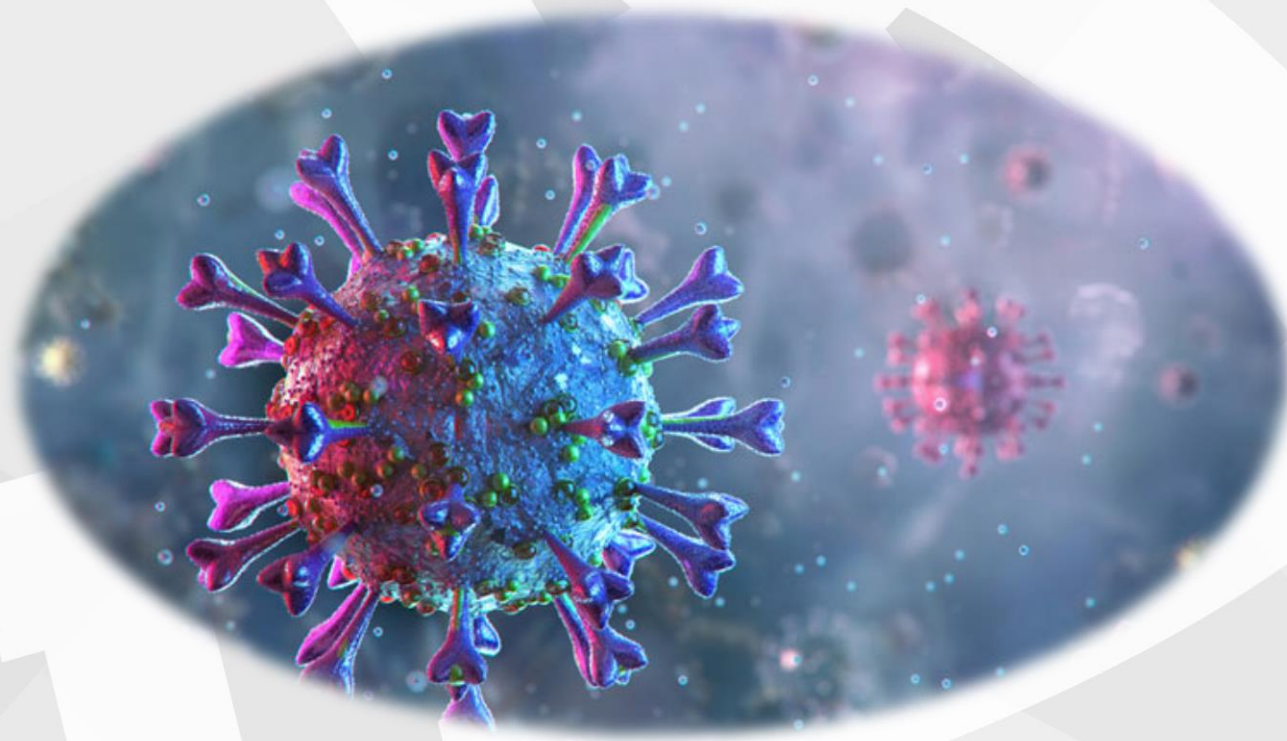
PRIORITIES OF ACTION



Category	Description
3	The initiative is currently being implemented in my country, with major tasks still need to be done
2	The initiative is not yet implemented in my country



UN-GGIM: Americas



**Opportunity presented by
COVID-19**

Opportunity Presented by COVID-19

- **COVID-19 pandemic** is the largest global disaster challenge recorded. As horrific as it has been, it has created an ideal opportunity to **test and apply the Strategic Framework**.
- COVID-19 pandemic has demonstrated the **critical importance of access to available and trusted geospatial information** to support **decision-making** during all phases of disaster risk management.
- UN-GGIM WG Disasters encourages Member States to consider implementing the Strategic Framework, particularly given that the COVID-19 pandemic provides a unique opportunity for monitoring and tracking each country's progress across the Framework's five priorities for action. *Outlined in Decision 10/108 proposal, as per UN-GGIM 10th session (Sept. 2020).*
- Reliable, accurate, available and timely Geospatial information are key towards facilitating better decision making



***ECLAC and
UN-GGIM Americas:***
***“Questionnaire on geospatial support
to COVID-19”***

(April to May 2020)



UN-GGIM: Americas

Organizational agreements for geospatial support to COVID-19

- **Technical groups/committees** to define data needs and facilitate provision eg. Brazil, Mexico
- Activation of **National Emergency Operation Centers (NEOCS)** and provision of geospatial support eg. Sint Maarten, Antigua y Barbuda, Ecuador, Jamaica - National Emergency Response GIS Team (NERGIST)
- Establishment of **National Taskforce** eg. Guyana
- **High Level Commission** for the Prevention and control of Coronavirus eg. Dominican Republic



Geospatial Support provided for COVID-19

- **Products:** Static GIS maps, dynamic web maps and applications, ArcGIS Survey 123 forms
- **Incident maps** were generated as well as case count per district/neighborhood webmaps
- Mapping of **COVID19 cases** (confirmed, recovered, deaths, quarantined, contact tracing, etc.)
- **Hot spots analysis** for COVID-19 cases
- **Vulnerable groups mapping** and analysis (elderly etc.)



UN-GGIM: Americas



Geospatial Support provided for COVID-19

- Quarantine area mapping
- Isolation centres mapping
- Hospital beds occupancy and availability
- Mapping and monitoring of **travel patterns and health status of public health workers**



UN-GGIM: Americas



Platforms or dashboards for the integration and publication of geospatial data

- **ArcGIS Operational Dashboards** were primarily used for visualization, monitoring and management.
- Some were public facing and others private for internal government use.
- Many benefitted from the **ESRI Disaster Response Programme**.





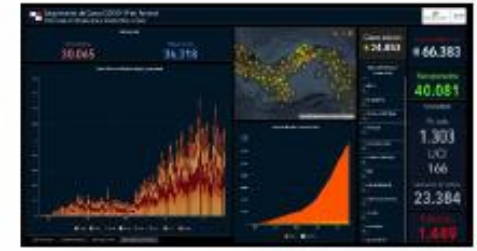
Chile



Mexico



Dominican Republic



Panama



Antigua&Barbuda



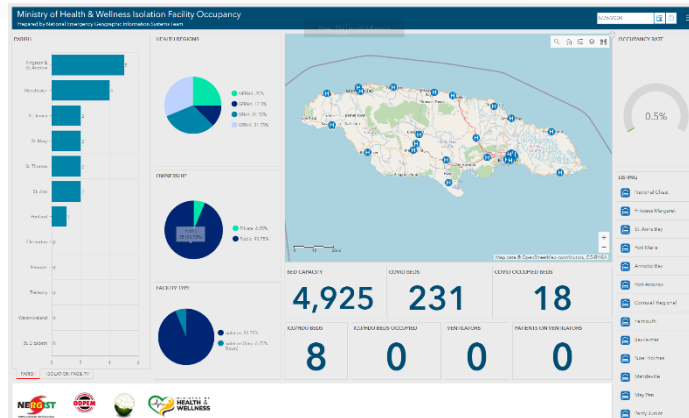
Colombia



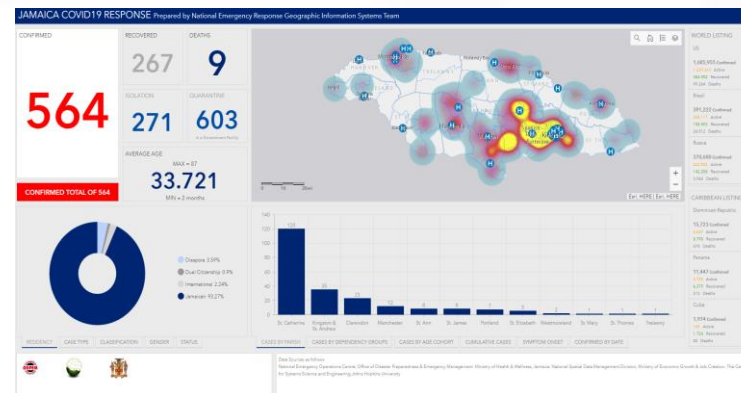
United States



Honduras



Jamaica

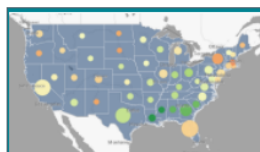


ArcGIS Dashboards



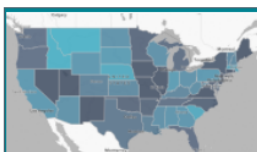
New Covid-19 Surveys and Estimates

These Census Bureau experimental data products are innovative statistical products created using new data sources or methodologies that benefit data users in the absence of other relevant products.



Weekly Business Formation Statistics

The BFS provide timely and high frequency information on new business applications and formations in the United States.

Dashboard 

Weekly Small Business Pulse Survey

This experimental survey measures the changes in business conditions on our nation's small businesses during the coronavirus (COVID-19) pandemic.

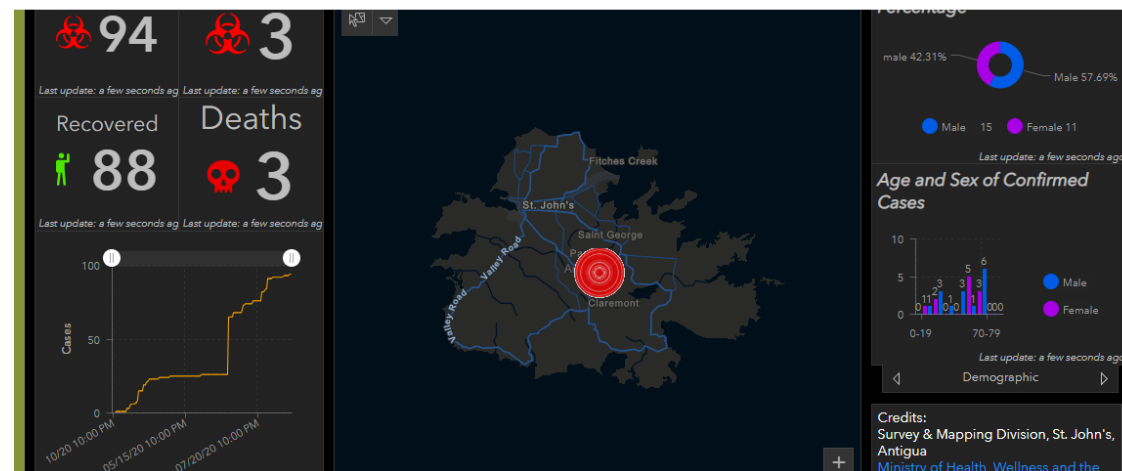
Dashboard Weekly Household
Pulse Survey

This is a 20-minute online survey studying how the COVID-19 pandemic is impacting households across the country from a social and economic perspective.

Go to

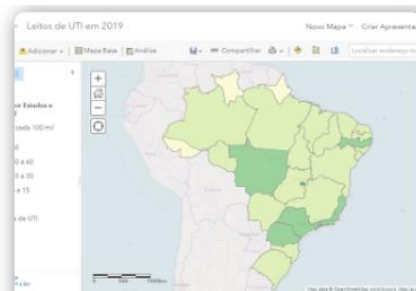
Community Resilience
Estimates (CRE)

The capacity of individuals and households within a community to absorb, endure, and recover from the health, social, and economic impacts of a disaster.

Go to 

Antigua & Barbuda

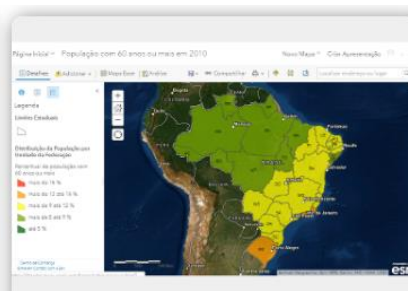
USA



Saúde

Mapas que associam as informações de infraestrutura de saúde, obtida a partir do CNES, à população, às regiões de busca a serviços de saúde.

Explorar



Sociedade

Mapas, painéis e informações sobre sociedade e demografia consideradas relevantes para o enfrentamento da pandemia por coronavírus.

Explorar



Limites Territoriais

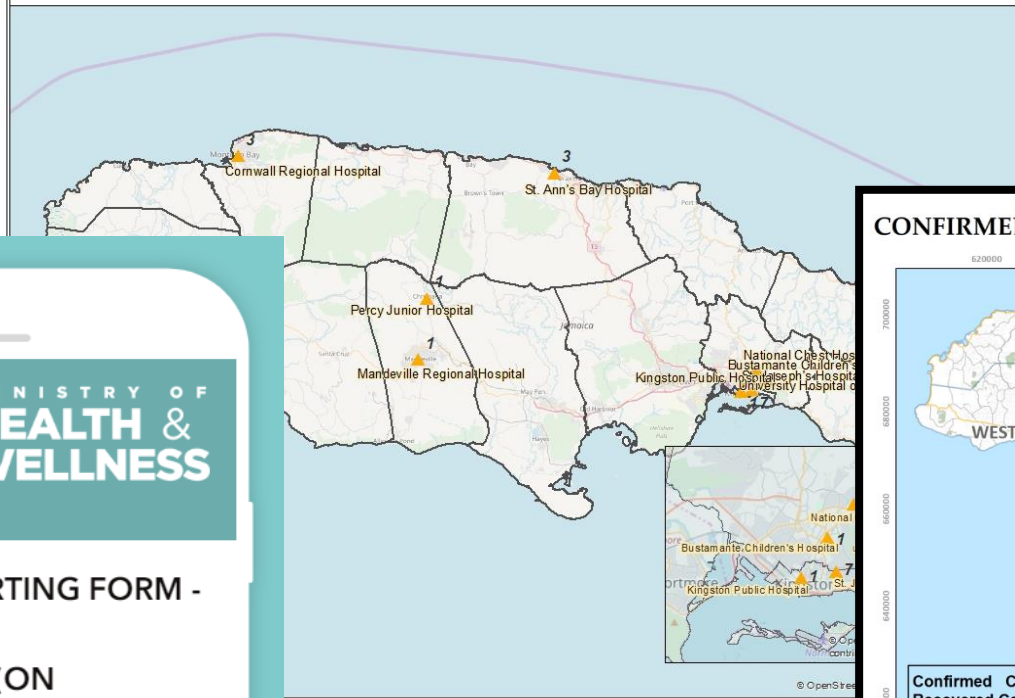
Mapas, painéis e informações relacionadas aos limites de divisões territoriais consideradas relevantes para o enfrentamento da pandemia, ta...

Explorar

Brazil



COVID 19 ISOLATION CENTRES DISTRIBUTED NATIONALLY



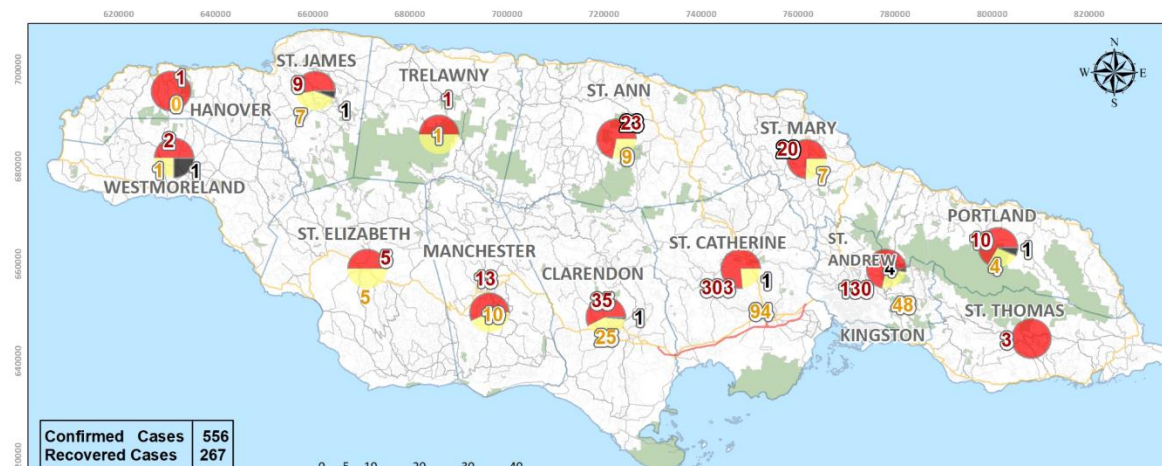
CLASS 1 REPORTING FORM - INDIVIDUAL NOTIFICATION(ON SUSPICION)

Next

Page 1 of 5

Powered by Survey123 for ArcGIS

CONFIRMED AND RECOVERED CASES OF NOVEL CORONAVIRUS (COVID 19) ACROSS JAMAICA



Jamaica



NATIONAL EMERGENCY RESPONSE GIS TEAM

COVID-19 QUARANTINE AREAS SEVEN(7) - NINE (9) MILES BULL BAY - ST ANDREW



Legend

- 7 Miles Bull Bay Area
- 8 Miles Bull Bay Area
- 9 Miles Bull Bay Area

Created on: March 18, 2020
Created by: NERGIST
Created for: Novel Coronavirus 2019
National Emergency Operations Centre
Data Source: Ministry of Health & Wellness
National Land Agency
Coordinate System: JAD 2001



Use of satellite images for obtaining georeferenced information or statistical data

- **38%** indicated use of satellite imagery eg. optical images, radar images, living atlas and ArcGIS online satellite tiles. Eg. Argentina, Brasil, Jamaica, Dominican Republic, Panama
- **62%** did not use satellite imagery. This is a potential area to examine access and capacity building in the use of raster datasets.



Geospatial Gaps Observed While Responding to COVID-19

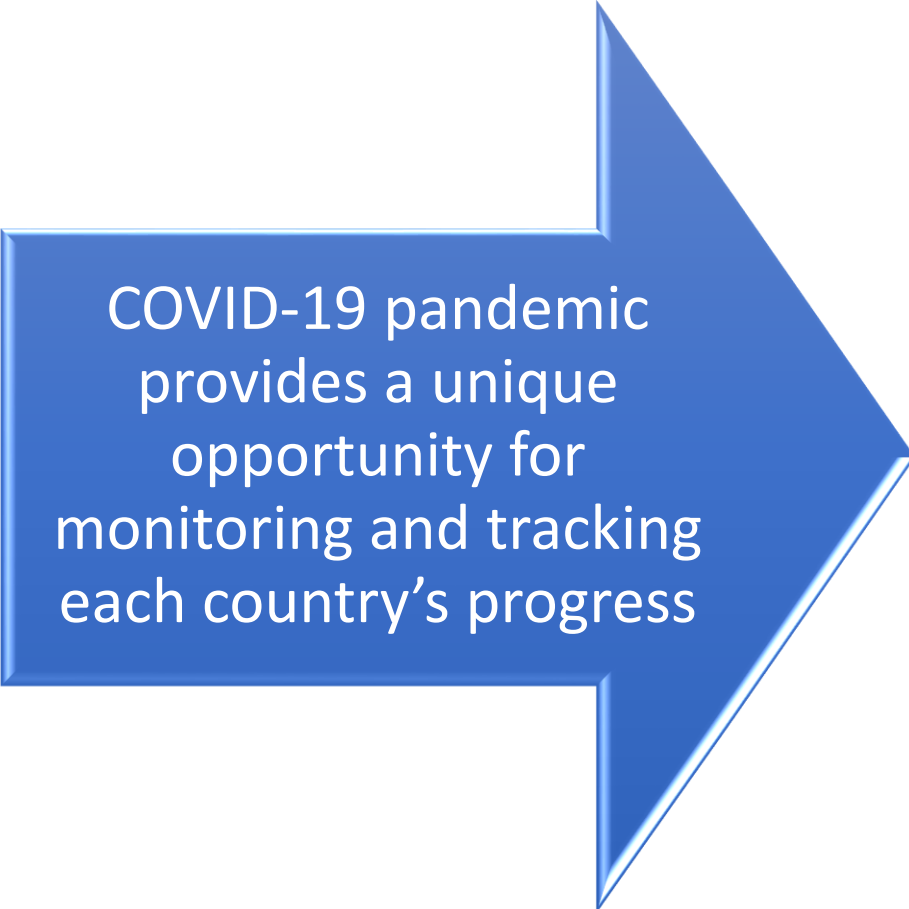
- Lack of or limited data **interoperability**
- High levels of **data disaggregation** between various entities, with little communication among them (silos).
- Lack of **human resource with geospatial skills** eg. One GIS Officer in some smaller Caribbean countries
- Need for a **national address system**



Geospatial Gaps Observed While Responding to COVID-19


- Difficulties in **data availability at the local level**, especially in rural areas
- Need for **continuous upgrading of the geospatial skills level**
- Need for **effective coordination for the exchange and analysis** of inter-institutional geospatial information





COVID-19 pandemic
provides a unique
opportunity for
monitoring and tracking
each country's progress

**Strategic
Framework's
Five Priorities
of Action**



Utilize the gaps
identified as areas for
opportunity and growth



Thank you !



UN-GGIM: Americas

• ***Simone Lloyd, GLSP***

Jamaica Co-chair support

*UN-GGIM Working Group on Geospatial Information and Services For
Disasters*

&

Senior GIS Manager/Trainer

National Spatial Data Management Branch
Ministry Of Economic Growth & Job Creation,
Jamaica W.I

simone.Lloyd@megjc.gov.jm



UN-GGIM: Americas