



UN-GGIM: AMERICAS




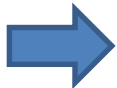
Working Group on Promotion and
Evaluation of SDI

**UN-GGIM: Américas Second Session 11-12
November 2015, México City**

General Objective

The overall objective of the WG ProIDE is to promote and monitor the development of the SDI and its components among the member countries of UN-GGIM:Americas, encouraging collaboration and exchange of experiences.

Specific Objectives

- | | | | |
|---|--|---|---|
| 1 | Research on the current situation of SDI in the countries of the region, in terms of institutional aspects |  | ACCESS TO DETAILED INFORMATION THROUGH WEB SITE AND EXCHANGE OF BEST PRACTICES |
| 2 | Promote collaborative work of national mapping agencies and those in charge of implementing the national SDI |  | DOCUMENTATION AND EXCHANGE OF BEST PRACTICES |
| 3 | Monitor the progress of the SDI of the countries |  | ANNUAL MEASUREMENT OF NATIONAL SDI PROGRESS |
| 4 | Facilitate the collaboration required in each country, in those areas where requirements and needs may be identified |  | NEWSLETTERS, TOOLS FOR KNOWLEDGE MANAGEMENT, VIRTUAL WORKSHOPS |

Working group composition

UN-GGIM: Americas Meeting (September 2014)

Antigua y Barbuda

Bahamas

Barbados

Brasil

Canadá

Chile

Cuba

Dominica

Ecuador

Estados Unidos

Granada

Guyana

Haití

Jamaica

Martinica

Nicaragua

Panamá

Paraguay

Perú

Uruguay

Secretariado UNGGIM

URISA Caribbean Chapter.

Working plan progress

1. Research on the current situation of SDI in the countries of the region, in terms of institutional aspects

Template (contents)

DONE

Validation of the template

DONE

Start gathering information

DONE

Tabulation of results

DONE

Design of interface in the Website

DONE

Interface validation

NOVEMBER

Interface implementation and loading

DECEMBER

Final report

APRIL 2016

Working plan progress

2. Promote collaborative work of national mapping agencies and those in charge of implementing the national SDI

Section in the questionnaire design

DONE

Gathering information through the questionnaire

DONE

Tabulation of results

DONE

Dissemination of best practices (Web site)

JANUARY 2016

Dissemination of best practices (final report)

APRIL 2016

Working plan progress

3. Monitor the progress of the IDE in the countries of the region

Collecting of background in international studies

IN PROCESS

Proposal of indicators for assessing the performance of SDI

IN PROCESS

Validation of indicators in a representative countries sample (pilot)

MARCH 2016

Elaboration of definitive version of indicators

MAY 2016

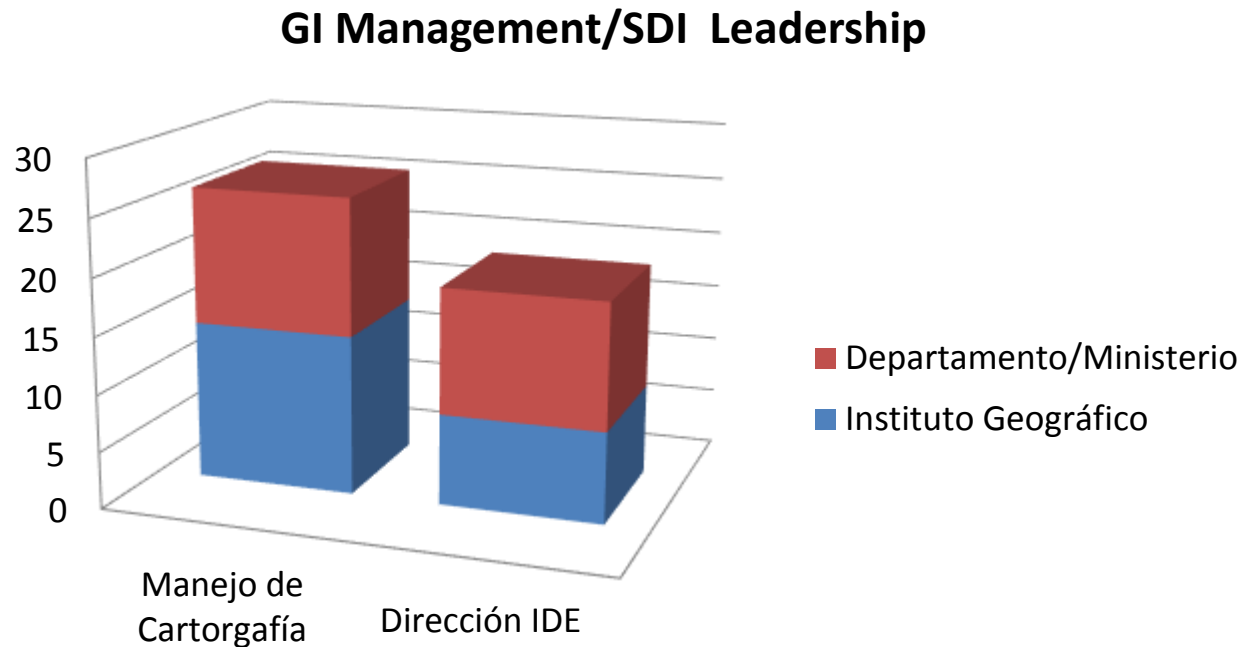
Application of first assessment of regional SDI

JUNE 2016

Report of first SDI assessment

AUGUST 2016

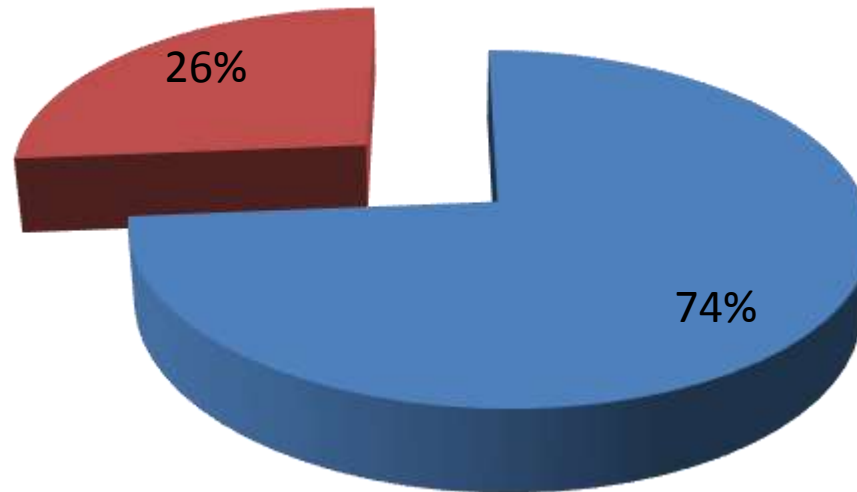
1. Current situation of SDI in the countries of the region, in terms of institutional aspects



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GI Management/SDI Leadership

■ La misma organización ■ Organismos distintos



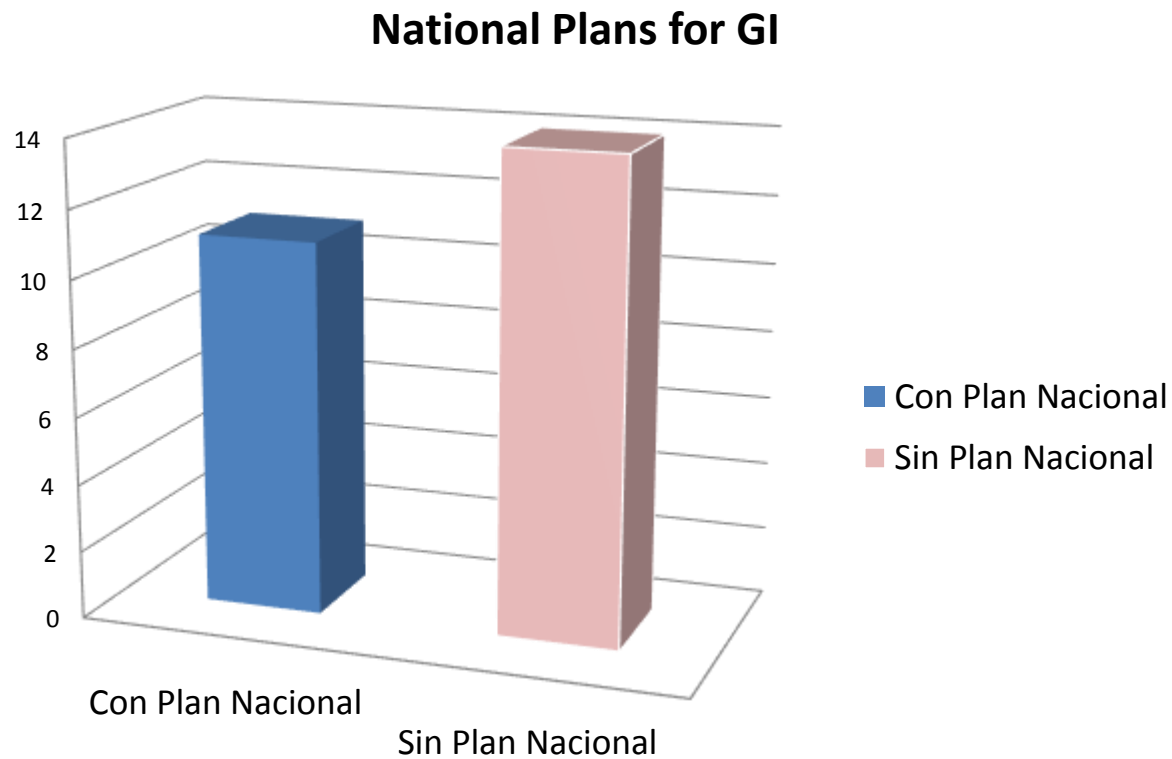
Current situation of SDI in the countries of the region, in terms of institutional aspects

País	Institución rectora de la cartografía	Entidad responsable de la IDE
Argentina	Instituto Geográfico Nacional	Instituto Geográfico Nacional
Bahamas	THE BAHAMAS NATIONAL GEOGRAPHIC INFORMATION SYSTEMS(BNGIS) CENTRE	THE BAHAMAS NATIONAL GEOGRAPHIC INFORMATION SYSTEMS(BNGIS) CENTRE
Barbados	Lands and Surveys Department under Ministry of Housing Lands and Rural Development	
Belice	Ministry of natural Resources and Agriculture, Land and Survey Department, Land Information Center	Ministry of Natural Resources and Agriculture, Land and Survey Department, (Land Information Center)
Brasil	La Comisión Nacional de Cartografía - CONCAR - órgano colegiado del Ministerio de la Planeamiento, Presupuesto y Gestión.	La Comisión Nacional de Cartografía - CONCAR - órgano colegiado del Ministerio de la Planeamiento, Presupuesto y Gestión.
Canada	Canadian GeoSecretariat and GeoConnections Program within the Canada Centre for Mapping and Earth Observation at Natural Resources	GeoConnections is a national initiative led by Natural Resources Canada's Canada Centre for Mapping and Earth Observation
Chile	No existe una única institución. En cuanto a cartografía son los servicios militares: Instituto Geográfico Militar (IGM), Servicio Aerofotogramétrico de la Fuerza Aérea (SAF) y Servicio Hidrográfico y Oceanográfico de la Armada (SHOA).	La entidad responsable de la IDE Chile es el Ministerio de Bienes Nacionales.
Colombia	Instituto Geográfico Agustín Codazzi, adscrito al Departamento Administrativo Nacional de Estadística (DANE)	Responsable Técnico: Instituto Geográfico Agustín Codazzi (IGAC)
Costa Rica	Instituto Geográfico Nacional (Registro Nacional)	El Instituto Geográfico Nacional (IGN)
Cuba	Oficina Nacional de Hidrografía y Geodesia (ONHG)	Oficina Nacional de Estadística e Información (ONEI)
Dominica	LANDS AND SURVEYS AND THE PHYSICAL PLANNING DEPARTMENTS	
Ecuador	Cartografía Base del Ecuador. INSTITUTO GEOGRÁFICO MILITAR / MINISTERIO DE DEFENSA Información Geográfica - CONSEJO NACIONAL DE GEOINFORMATICA (CONAGE) / SECRETARIA NACIONAL DE PLANIFICACIÓN Y DESARROLLO (SENPLADES)	Responsable Administrativo: CONAGE (Consejo Nacional de Geoinformática) que se encuentra presidido por la Subsecretaría de Información de la SENPLADES (Secretaría Nacional de Planificación y Desarrollo) http://sni.gob.ec
Estados Unidos	FGDC activities are administered through the FGDC Secretariat, hosted by the U.S. Geological Survey, Department of the Interior	FGDC activities are administered through the FGDC Secretariat, hosted by the U.S. Geological Survey.
Guatemala	Instituto Geográfico Nacional - organo consultivo del Ministerio de Agricultura Ganadería y	
Jamaica	National Spatial Data Management Division, Ministry of Water, Land, Environment & Climate Change	National Spatial Data Management Division, Ministry of Water, Land, Environment & Climate Change
Martinica	A nivel de la Martinica: Consejo Regional. A nivel de Francia: Instituto Nacional de Información Geográfica (IGN)	Consejo Nacional de la Información Geográfica

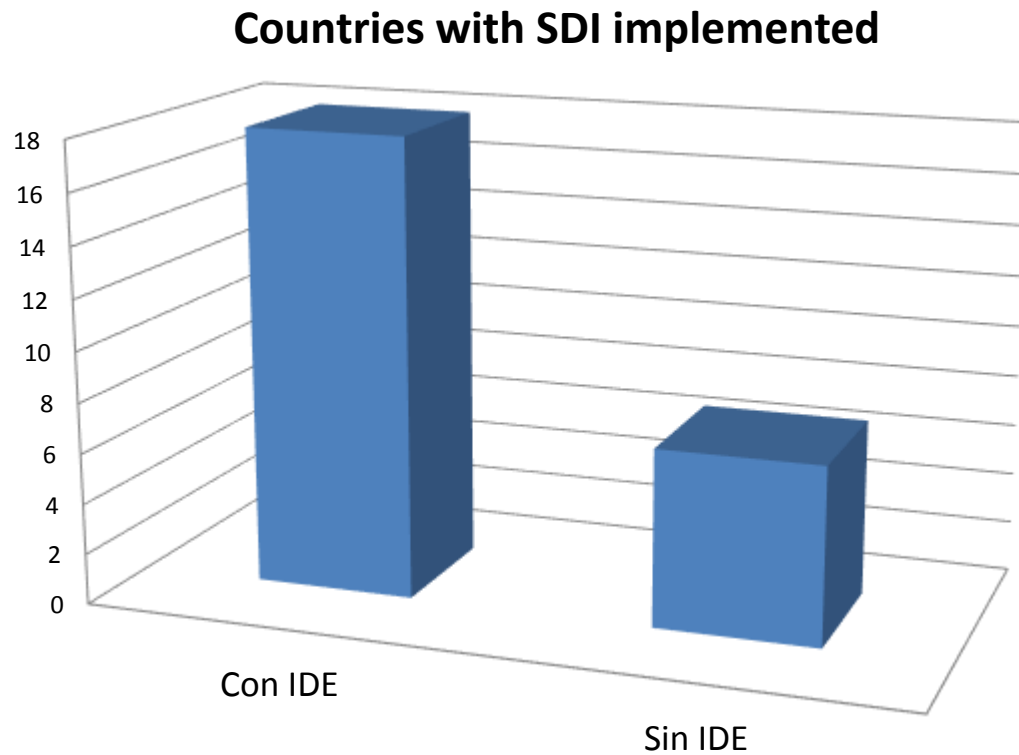
Current situation of SDI in the countries of the region, in terms of institutional aspects

País	Institución rectora de la cartografía	Entidad responsable de la IDE
Mexico	Instituto Nacional de Información Estadística y Geográfica (INEGI)	Instituto Nacional de Información Estadística Geográfica (INEGI)
Nicaragua	Instituto Nicaragüense de Estudios Territoriales (INETER) es un ente descentralizado del Gobierno bajo la rectoría sectorial de la Presidencia de la República. (Conforme a Ley 311).	
Panamá	Autoridad Nacional de Administración de Tierras a través del Instituto Geográfico Nacional Tommy Guardia	Autoridad Nacional de Administración de Tierras a través del Instituto Geográfico Nacional Tommy Guardia
Peru	Instituto Geográfico Nacional	Presidencia de Consejo de Ministros
Republica Bolivariana de Venezuela	Instituto Geográfico de Venezuela Simón Bolívar -IGVSB	
Saint Martin		Ministry of VROMI (Housing, Spatial Planning, Environment and Infrastructure)
San Vicente y las Granadinas	GIS UNIT, PHYSICAL PLANNING DEPT. AND LAND MANAGEMENT UNIT LAND AND SURVEYS DEPT. MINISTRY OF HOUSING, INFORMAL HUMAN SETTLEMENTS, LAND & SURVEYS AND PHYSICAL	
Santa Lucia	Currently in development, but essentially it is the Ministry of Physical Development	Currently being developed, but lies between the Ministry of Physical Development and Ministry of Finance
Surinam	Management Institute for the Cadastre, Geomatics and Land Information System. An autonomous institute operating under the responsibility of the Ministry of Spatial Planning and Land Policy	
Trinidad y Tobago	National Spatial Data Infrastructure Council, Ministry of Planning and Sustainable Development	
Uruguay	Servicio Geográfico Militar, dependiente del Ministerio de Defensa Nacional, es el responsable de desarrollar y mantener las Redes Geodésicas y de Geofísica Nacionales y producir y actualizar la Cartografía de Base del Territorio.	Presidencia de la República Oriental del Uruguay.

1. Current situation of SDI in the countries of the region, in terms of institutional aspects



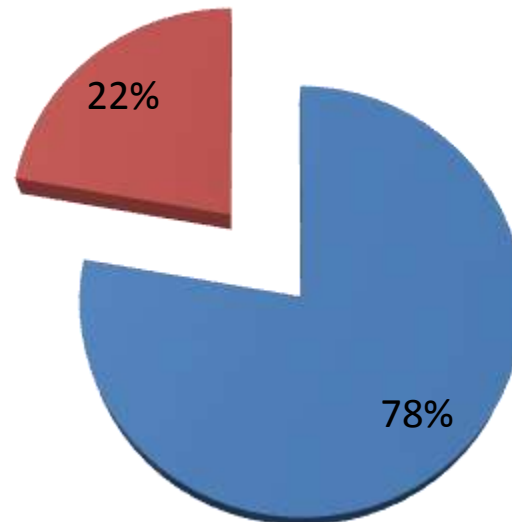
1. Current situation of SDI in the countries of the region, in terms of institutional aspects



1. Current situation of SDI in the countries of the region, in terms of institutional aspects

SDI initiatives supported by legal framework

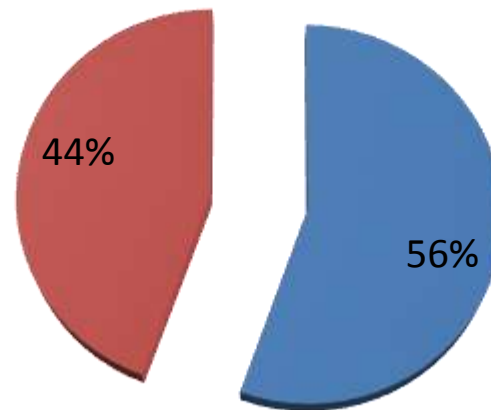
■ Con marco legal ■ Sin marco legal



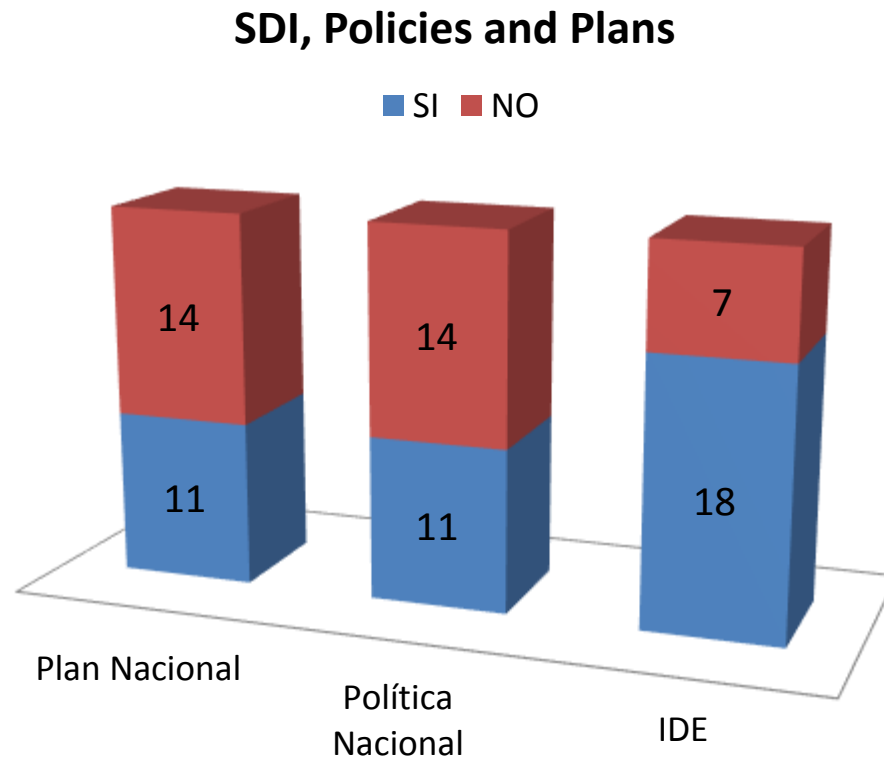
1. Current situation of SDI in the countries of the region, in terms of institutional aspects

National policies for GI management in countries with SDI

■ Con política nacional ■ Sin política nacional

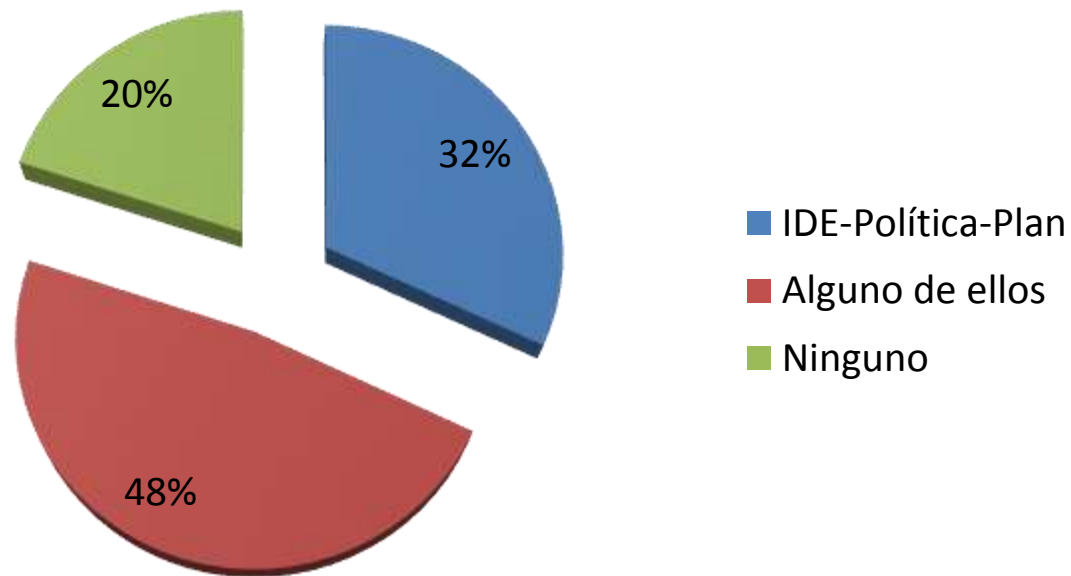


1. Current situation of SDI in the countries of the region, in terms of institutional aspects



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Institutional framework for GI Management



1. Current situation of SDI in the countries of the region, in terms of institutional aspects



<http://www.ide.cl/unggim-americas/index.php/ides-america>

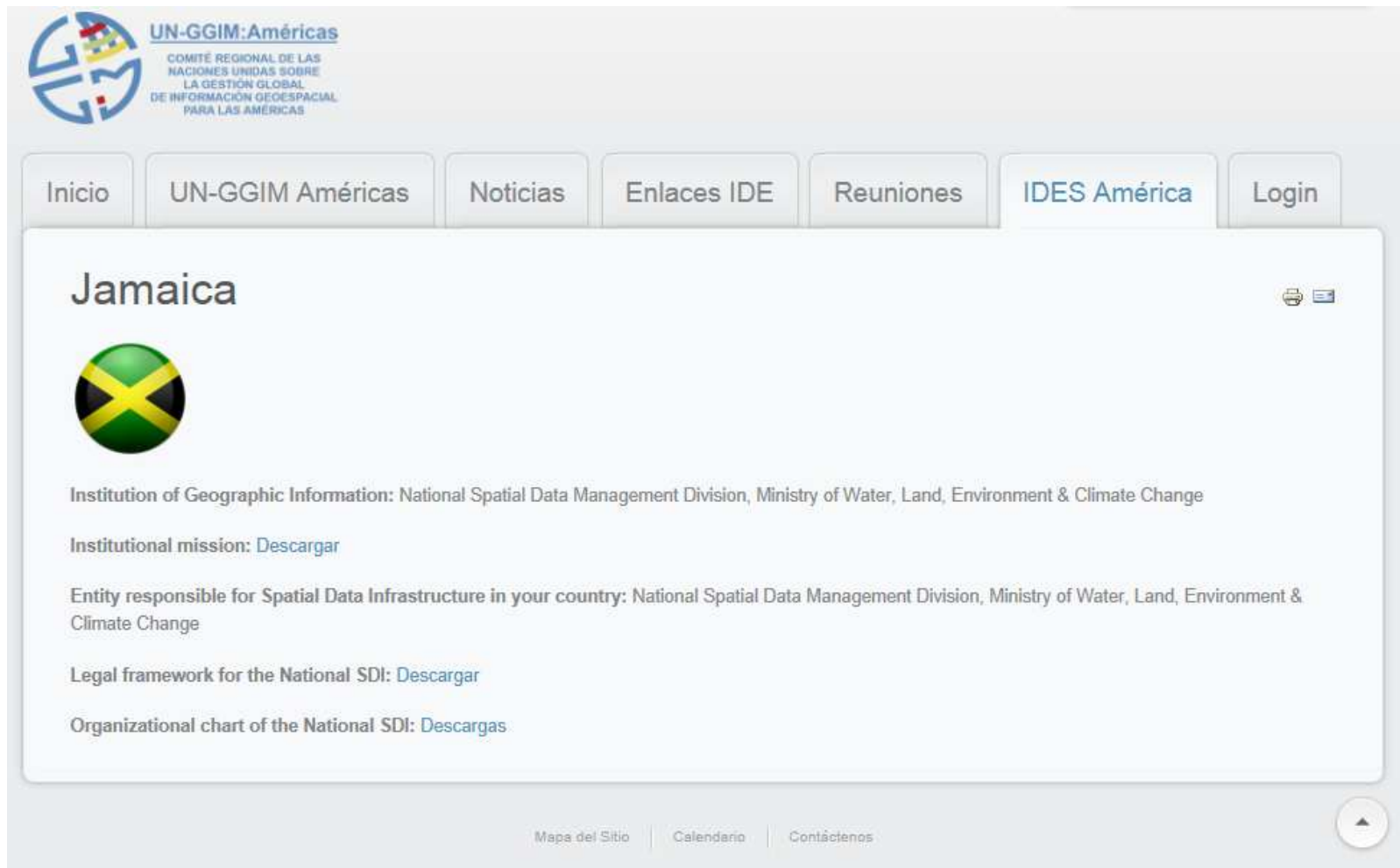
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1. Current situation of SDI in the countries of the region, in terms of institutional aspects



The screenshot shows the UN-GGIM:Américas website interface. At the top left is the logo and text: "UN-GGIM:Américas COMITÉ REGIONAL DE LAS NACIONES UNIDAS SOBRE LA GESTIÓN GLOBAL DE INFORMACIÓN GEOESPACIAL PARA LAS AMÉRICAS". A navigation bar contains buttons for "Inicio", "UN-GGIM Américas", "Noticias", "Enlaces IDE", "Reuniones", "IDES América", and "Login". The main content area displays the profile for "Jamaica", featuring the national flag and the following information:

- Institution of Geographic Information:** National Spatial Data Management Division, Ministry of Water, Land, Environment & Climate Change
- Institutional mission:** [Descargar](#)
- Entity responsible for Spatial Data Infrastructure in your country:** National Spatial Data Management Division, Ministry of Water, Land, Environment & Climate Change
- Legal framework for the National SDI:** [Descargar](#)
- Organizational chart of the National SDI:** [Descargas](#)

At the bottom of the page, there are links for "Mapa del Sitio", "Calendario", and "Contáctenos", along with a scroll-up arrow icon.

1. Current situation of SDI in the countries of the region, in terms of institutional aspects

Organizational chart of the National SDI

The LICJ is therefore charged with the task of providing national strategic direction, policy development, leadership, management and implementation of Jamaica's spatial data infrastructure. Its main objectives are to:

1. develop the policy framework and guidelines for the development and growth of the local geoinformatics sector.
2. foster the creation and maintenance of a skilled, relevant and innovative geoinformatics workforce.
3. create the framework which facilitates and provides access to geospatial data among all stakeholders.
4. create and manage a national geospatial portal/clearinghouse.
5. adopt/adapt/create and maintain national data, mapping, metadata and other standards for spatial data collection, management, discovery and exchange.
6. promote and facilitate the creation and maintenance of digital spatial data sets.

1. Current situation of SDI in the countries of the region, in terms of institutional aspects

NEXT

- Complete the data with the missing countries (**Executive Secretariat**)
- Review and comment structure of contents and formal aspects of the map interface (**Working Group**)
- Integrate map interface in UN-GGIM: Americas Web Site (**Executive Secretariat**)
- Qualitative analysis of SDI institutional topics (**Working Group**)
- Final report (**Coordinator team/Working Group**)

1. Current situation of SDI in the countries of the region, in terms of institutional aspects

Working Group

Qualitative Analysis:

National **Plans** for Geographic Information/SDI

National **Policies** for Geographic Information /SDI

Legal Framework for SDI

Organizational Structure for SDI

Participation of National Mapping Agencies in the development of national SDIs

Spanish/Port

English/French

	Spanish/Port	English/French
National Plans for Geographic Information/SDI		
National Policies for Geographic Information /SDI		
Legal Framework for SDI		
Organizational Structure for SDI		
Participation of National Mapping Agencies in the development of national SDIs		

2. Promote collaborative work of national mapping agencies and those in charge of implementing the national SDI

Participation of National Mapping Agencies in the development of national SDIs

Relevant findings

- SDI Executive coordination
- Fundamental data sets provision
- Working groups coordination
- Distribution of thematic data
- Leading or participating in national committees for standards
- National ISO TC 211 counterpart
- National platform provision

2. Promote collaborative work of national mapping agencies and those in charge of implementing the national SDI

National experiences and best practices can be reviewed in the map of the americas



2. Promote collaborative work of national mapping agencies and those in charge of implementing the national SDI

NEXT



Qualitative analysis as presented in Section 1

3. Monitor the progress of the SDI of the countries

SDI development status	SDI components					
	Institutional Framework	Technology	Information	Standards	Human resources	Funding
Advanced	Legal framework supporting SDI	-Interoperable map viewer and catalog, highly usable. Other tools (BI, WPS) and high usability of the national platform. - Applications to Mobile Devices	-Value-added information - interoperable data -Real-time information -Citizen participation -Satisfaction of the needs of users	- Adoption of standards for the management of GI. - Institutional framework for the management of standards	Expert analysis of geospatial data and interoperability standards	Permanent government funding, which covers the needs
Medium	National Policy for geospatial information management - Coordination structure at national level	National map viewer and data download center	- Core data sets and thematic data sets available by downloading - Partial satisfaction of users needs	- Adopted standards for publishing web services. - Diffusion of Technical recommendations and study of standards	- Web map viewer and catalog management experts - Professionals with expertise in standards	Permanent government funding for the initiative, which partially covers the needs
Basic	There is an institutional framework limited to only a public agency	National metadata catalog	Geospatial information discoverable and accessible to the users	Adopted standards for documentation of geospatial information	GIS, documentation and metadata management experts (formal training or certified)	Discontinuous government funding for the initiative
Initial	There is an initiative to establish a national infrastructure, but without an institutional framework	- GIS tools in some public institutions - Dissemination of SDI initiative on website	Disperse and non documented geospatial information	No established procedures and guidelines	Non expert personnel, with basic knowledge in GIS, involved in the SDI initiative	No officially assigned funding for the initiative

3. Monitor the progress of the SDI of the countries

NEXT

- Send the chart to the working group for comments and proposals
- Propose indicators that can be used to measure the defined levels for the established SDI components
- Identify the data coming from the questionnaire useful for these indicators
- Test the indicators in a number of countries
- Apply the first assessment

4. Collaboration

Subgroup 4

Facilitate collaboration between countries to strengthen their national processes on geospatial information

- ✓ Responsible
- ✓ Scope

Coordination with NIA

- ❖ Exchange of data collected through questionnaires
- ❖ Elaboration of indicators

Thank you very much i