

Working Group

**REGIONAL GEOSPATIAL DATA
INFRASTRUCTURES**

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UN-GGIM

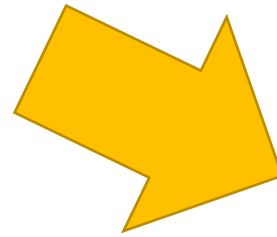
United Nations Committee of Experts on
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General Context for the Americas

2017-2021 UN-GGIM Strategic Framework

- Geospatial Information for Sustainable Development: 2030 Agenda, Sendai Framework, etc.
- Integration of Geospatial & Statistical Information: Implement the Global Statistical Geospatial Framework
- Geospatial Information & Services for Disasters: Implement Strategic Framework
- Determination of global fundamental data themes
 - Land administration and management
 - Legal and policy frameworks
 - National institutional arrangements
 - Implementation and adoption of standards for the global geospatial information community
 - National geospatial data and information systems



2017-2021 Working Groups UN-GGIM: Americas

- 1 Integration of Statistical & Geospatial Information
- 2 Disasters
- 3 Geospatial Data Infrastructure in the Region



2017-2021 Working Groups UN-GGIM: Americas

1
Integration of Statistical &
Geospatial Information

2
Disasters

3
Geospatial Data
Infrastructure in the Region

Work Lines

- Academic Network Americas
- Geodetic Reference Framework
- Joint Action Plan
- Private Sector Network in the Americas
- Regional Cooperation and Collaboration



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GENERAL CONTEXT AND BASIS

It is possible to understand a Geospatial Data Infrastructure (SDI) as a collection of technologies, policies and institutional arrangements that facilitate the availability and access to spatial or geographic information (GI)

Regional advances in this area are disparate, and largely respond to initiatives that address the particular reality, giving answers to situations of natural risks, cadastral surveys or others, being a mission for UN-GGIM Americas, **to contribute in the definition of regional policies that are linked to the Global Framework.**

WORKGROUP REGIONAL SDI



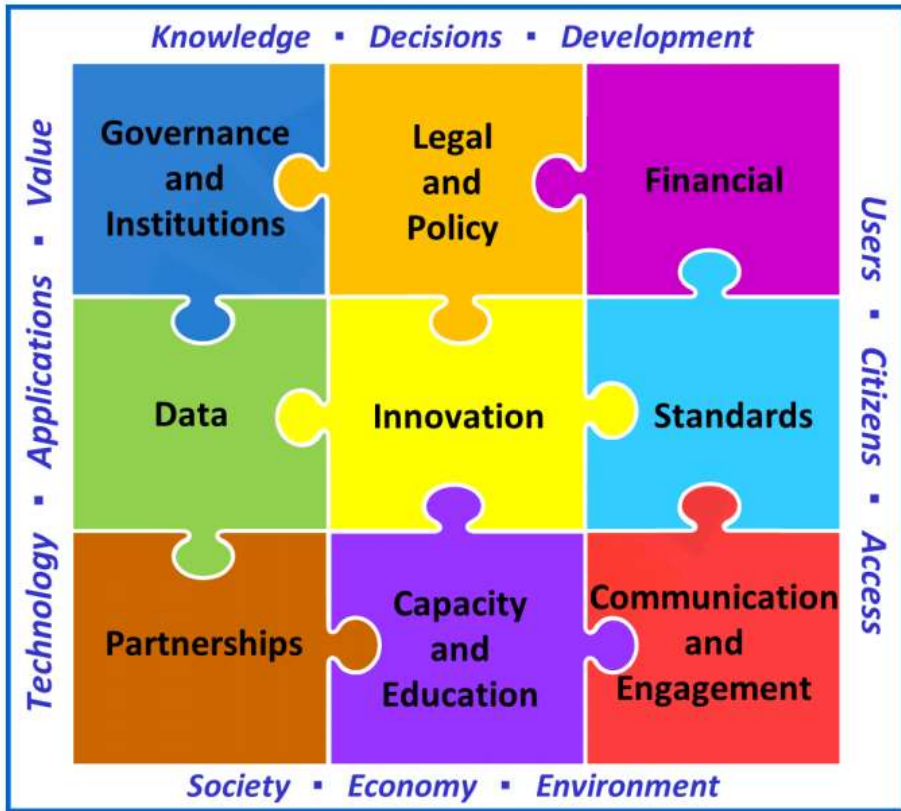
INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK A STRATEGIC GUIDE TO DEVELOP AND STRENGTHEN NATIONAL GEOSPATIAL INFORMATION MANAGEMENT



Governance →

Technology →

People →



Anchored by nine Strategic Pathways, the Framework is a mechanism for articulating and demonstrating national leadership in geospatial information, and the capacity to take positive steps.



OBJECTIVE OF THE WORKING GROUP

GENERAL

To Coordinate the actions related to the implementation, development and promotion of the Geospatial Data Infrastructures (SDIs) of the Member States of UN-GGIM Americas.

SPECIFIC

- A. To Diagnose the current status (2018) of the National Geospatial Data Infrastructures in the region, considering the components of the SDIs.
- B. To Design evaluation and monitoring tool regarding the state of progress of the National SDIs of the region.
- C. To Spread initiatives and good regional practices in the field of IDES, generating a basic guideline document regarding the operation of SDIs.
- D. To Promote and carry out training and improvement instances in the region regarding different components of the SDIs.



Work for 2018 – Objectives

OBJECTIVES	RESULTS	TIME LIMIT
<p>A. Diagnose the current status (2018) of the Geospatial Data Infrastructures in the Region, considering the components of the SDIs.</p>	<p>* Diagnostic instrument (survey)</p>	<p>April-18</p>
	<p>* Document Summary of regional results (Excel spreadsheets, Report)</p>	<p>June 2018 - Julio 2018</p>
	<p>* Panel of dynamic mapping of results by country. First advance August 2018</p>	<p>August 2018- Octubre 2018</p>



Who will answer the survey?



Representative of each country in the regional committee.

*For example the professional in charge of the SDI

what do we want to know?



State of the components of the SDI



Design an indicator

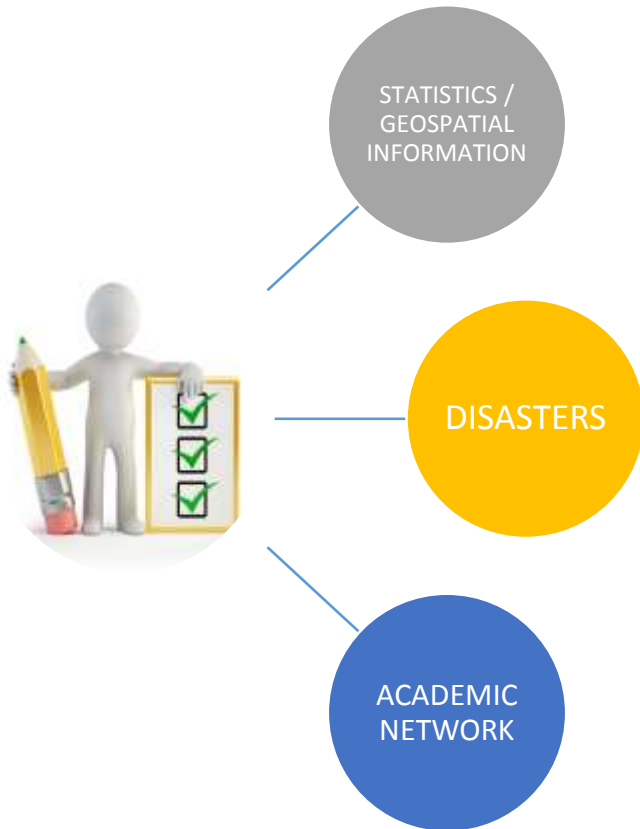
how will we show the results



Dynamic Dashboard.



Structure of the survey



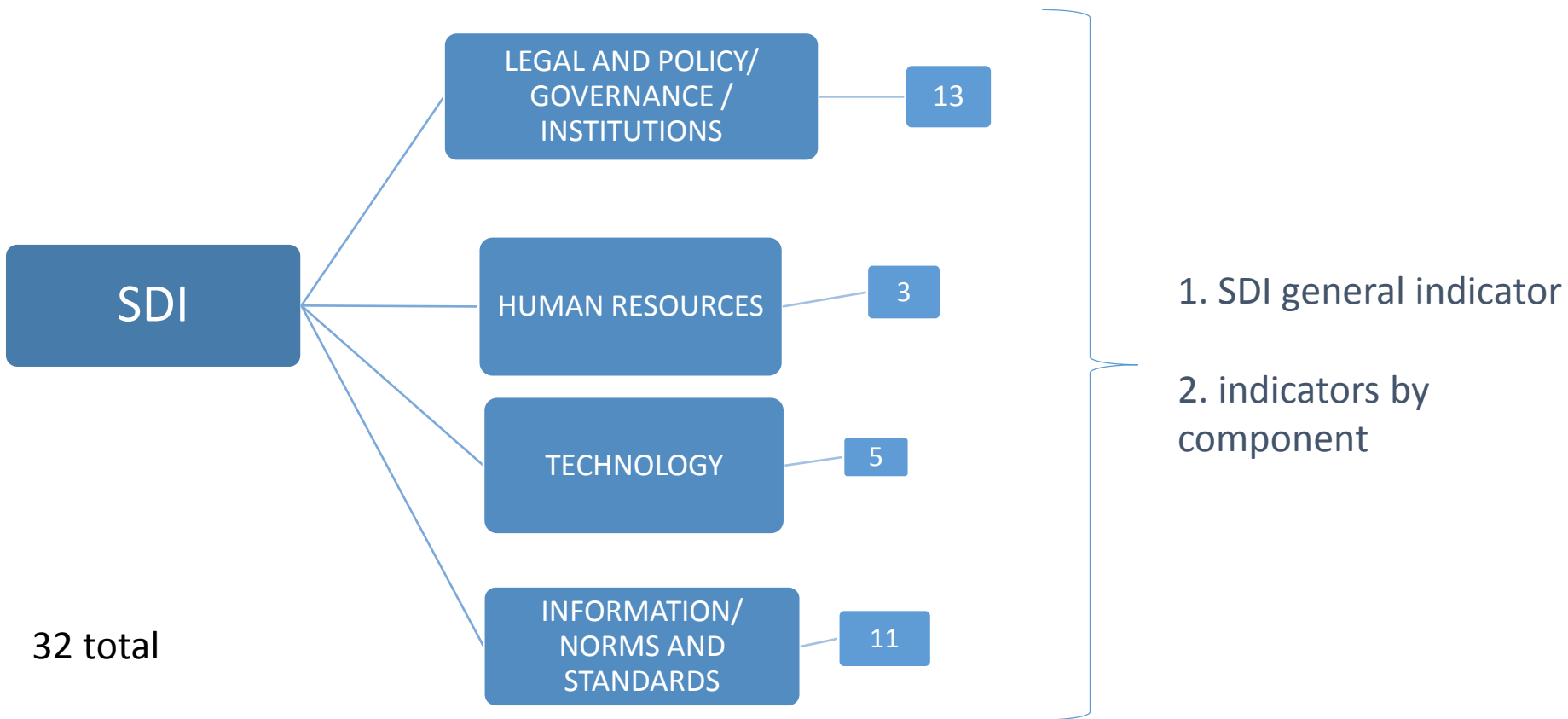
- Instrument design
- Applied during the months of May to June 2018.
- 35 countries responded.



Examples

How many digital data is available for viewing on the platform of the Geospatial Data Infrastructure in your country?

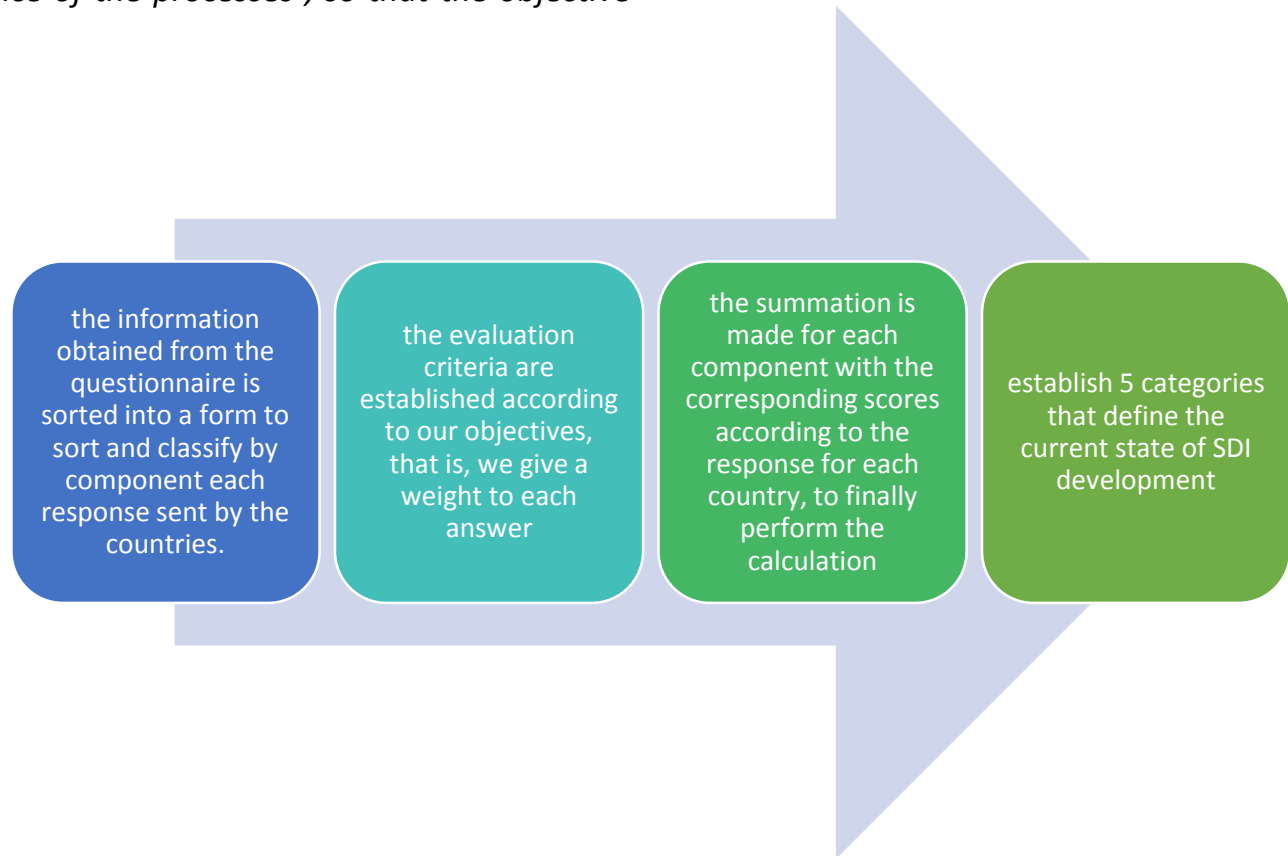
Structure of the survey Components



information processing

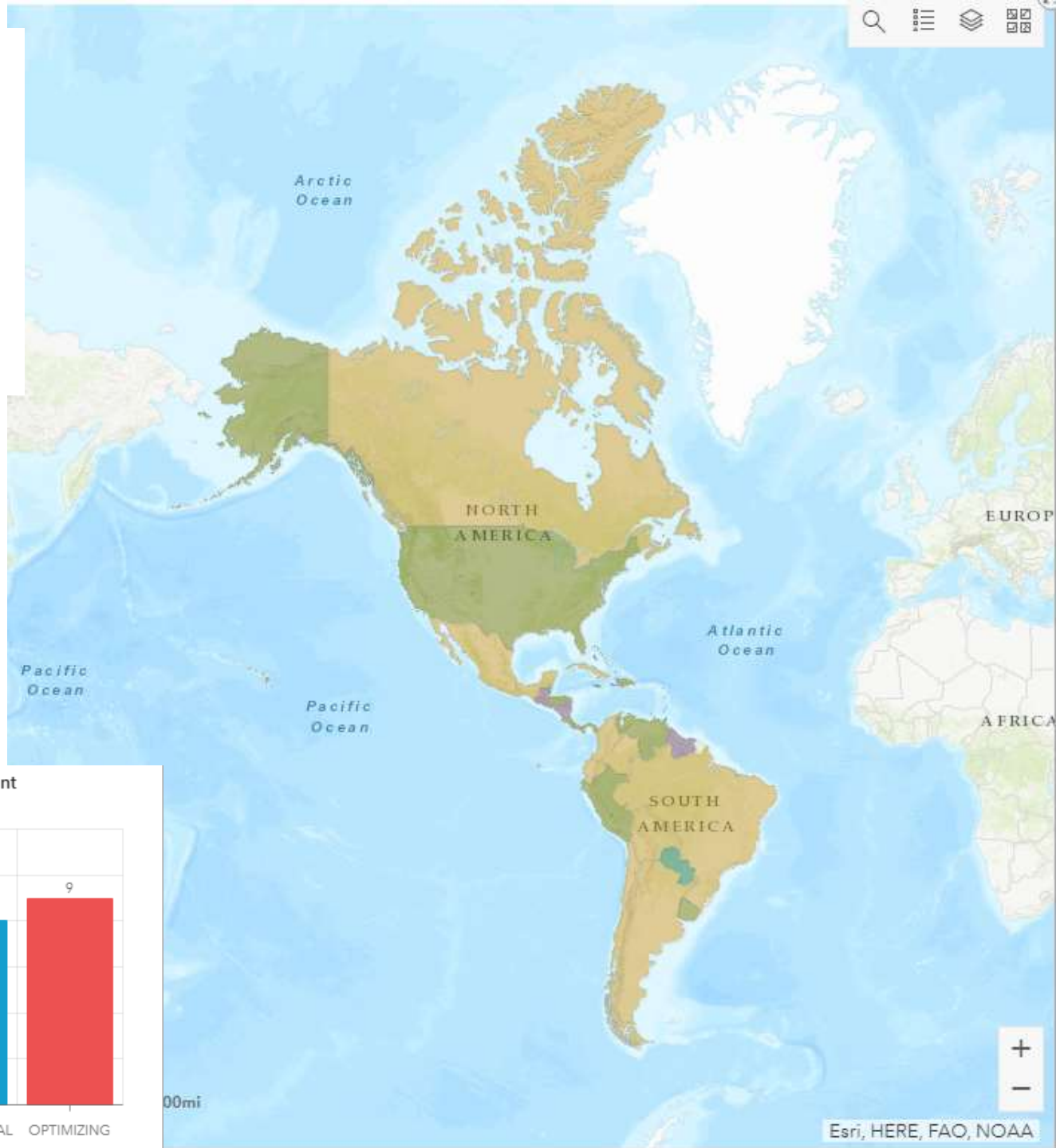
-For the systematization of data in conjunction with its analysis, it was determined that the best way to evaluate each component of an SDI is to generate metric indicators that identify the status of each component.

-A very useful metric indicator is the key indicator commonly known as KPI (Key Performance Indicator), which is defined as *"a unit that measures the level of performance of a process, focusing on the" how "and indicating the performance of the processes , so that the objective set can be achieved "*

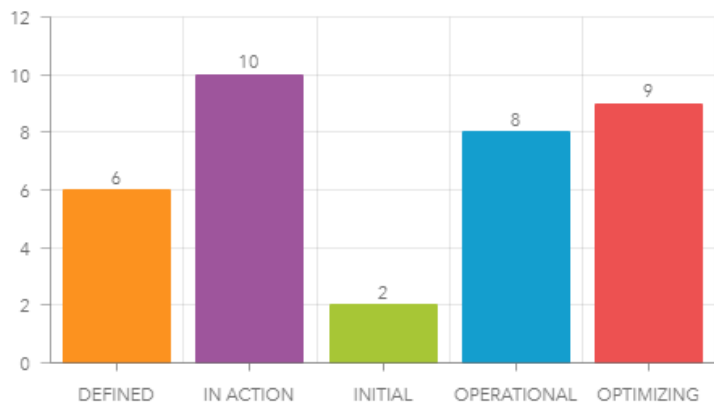


UNGGIM RESULT SDI

- OPTIMIZING
- OPERATIONAL
- DEFINED
- IN ACTION
- INITIAL



Regional SDI indicator: Number of contries by component





INFORMATION AND STANDARDS

- OPTIMIZING
- OPERATIONAL
- DEFINED
- INITIAL
- IN ACTION



◀ 1 de 35 ▶

Regional SDI indicator:
Final score

27

Antigua and Barbuda

◀ 1 de 35 ▶

Regional SDI indicator:
Percentage of development



Antigua and Barbuda

◀ 1 de 35 ▶

Regional SDI indicator: Detail by country

COUNTRY	Antigua and Barbuda
INSTITUTO	8,00
TOTAL_INST	DEFINED
HUMAN RESO	4,00
TOTAL_HUMA	OPTIMIZING
INFORMATIO	10,00
TOTAL_INFO	IN ACTION
TECHNOLOGY	5,00
TOTAL_TECN	OPERATIONAL
TOTAL KPY	27,00
TOTAL_SDI	DEFINED

Regional SDI indicator: Number of contries by component



which are the next steps ?

December -2019
Designation of tasks to
Member States



request to answer brief interview about specific components of SDI. To know elements of the regional situation.

November 2018 : Results for the Region, separated by component



which are the next steps ?

B. Design evaluation and monitoring tool regarding the progress of the Regional SDIs.	1. Design of an evaluation instrument for Regional IDEs	* Diagnostic survey results. * Documentation (papers or others) regarding models of evaluation of IDEs.	* Instrument for evaluating Regional IDEs	Noviembre 2018- Enero 2019
	2. Application of periodic evaluation of the IDEAS of the region.	* Evaluation and monitoring instrument	* Annual report regarding the progress status of the regional SDIs. * Comparative dynamic mapping.	Aplicación anual (Marzo 2019 - Marzo 2020 - Marzo 2021)



which are the next steps ? 2019

C. Disseminate initiatives and good regional practices in the field of IDES, generating a basic guideline document regarding the operation of IDEs.	1. Regional diagnostic survey of initiatives in terms of use, standards and other elements associated with the use of IDES in the region.	* Information of the countries that make up the region.	Existing information matrix by country. Management model	Marzo 2019- Junio 2019
	2. Systematization of information. Web documentation repository	* Documents from countries in the region. * Links to web pages etc.	* Web information repository	Enero 2019- Octubre 2019
	2. Preparation of a base document for the management of the SDI.	Systematization of base information of SDI in the region.	* A document validated in the annual meeting of the committee, which establishes guidelines for regional action.	Diciembre 2019 -2020-2021



Final thoughts

- Regional challenge in both the application of an indicator
- Use of technology to visualize the information and status of each of the countries
- Do not generate a comparative ranking, but improve and learn from the particular situations of each country.
- As a region this information will allow us to visualize through the information platforms how we are advancing and where we should focus programs, financing and improvements.



Final thoughts

- each country of the region is invited to review the results of the instrument, for necessary improvements or modifications.
- We need to actively participate in the interviews we will carry out with countries of the region for the fulfillment of the group's next objectives. This information will be input for the documents to be published of good practices and examples
- As the coordinating country of this working group, we thank each of the countries of the region for their responses and contributions. The Americas region has a tool that will allow us to continue advancing, and considering the differences of each country.
- I thank the professionals of my team in the executive secretary of the SNIT of Chile, for their work and support in this challenge.





UN-GGIM:Americas

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



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