

Progress in the implementation of national Geospatial Data Infrastructure in the Americas

Working Group SDI

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UN-GGIM

United Nations Committee of Experts on
Global Geospatial Information Management

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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

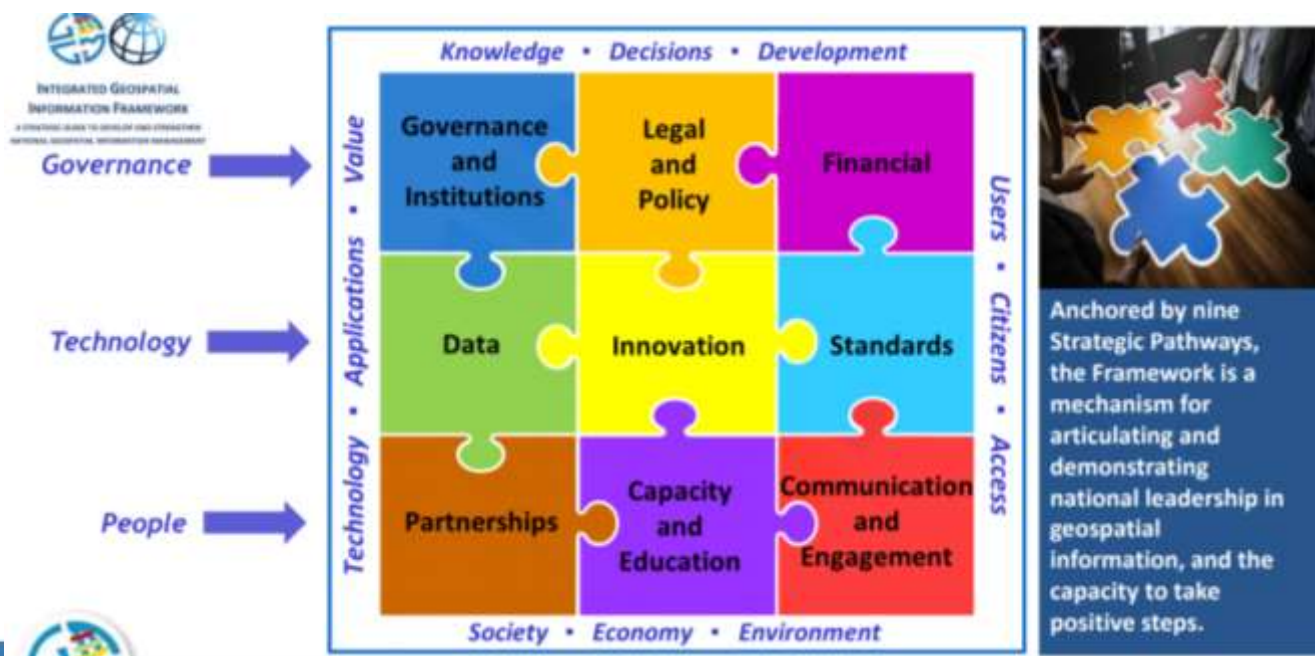
- A. To Diagnose the current status (2018) of the National Geospatial Data Infrastructures in the region, considering the components of the SDIs.
- B. To Design evaluation and monitoring tool regarding the state of progress of the National SDIs of the region.
- C. To Spread initiatives and good regional 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.



GENERAL CONTEXT

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.

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)



OBJETIVES 2019

B. Design evaluation and monitoring tool regarding the progress status of the Regional SDI



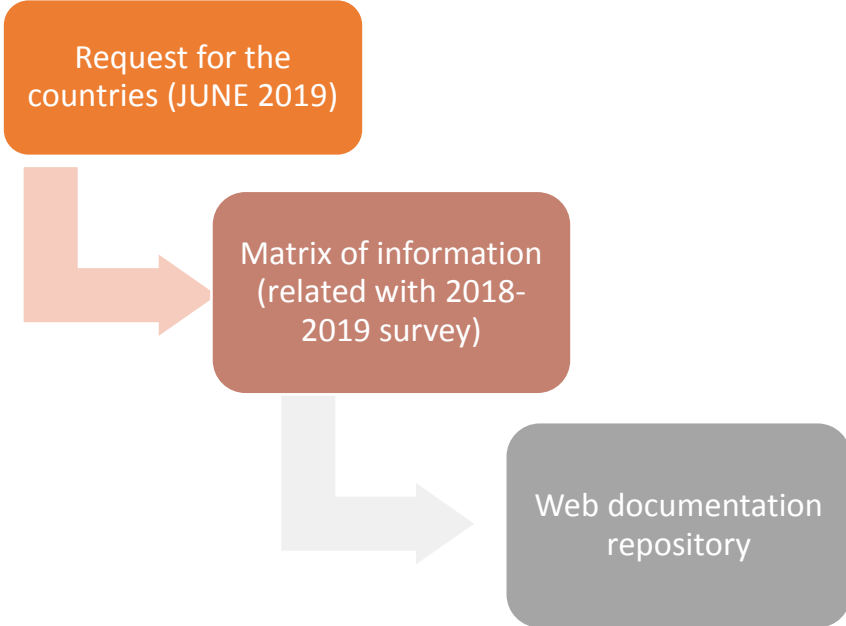
C. Disseminate regional initiatives and good practices in the area of IDES, generating a basic guideline document regarding the operation of SDI

OBJETIVES	RESULTS	TIME LINE
Regional diagnostic survey of initiatives in terms of use, standards and other elements associated with the use of IDES in the region.	<ul style="list-style-type: none"> *Report *Dashboard 	Marzo 2019- Junio 2019
Systematization of information. Web documentation repository	<ul style="list-style-type: none"> • Matrix of information (related with 2018-2019 survey) 	Julio 2019- Diciembre 2019
	<ul style="list-style-type: none"> * Web documentation repository 	Julio 2019- Diciembre 2019



Disseminate regional initiatives and good practices in the area of SDI

4 Countries / Survey



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

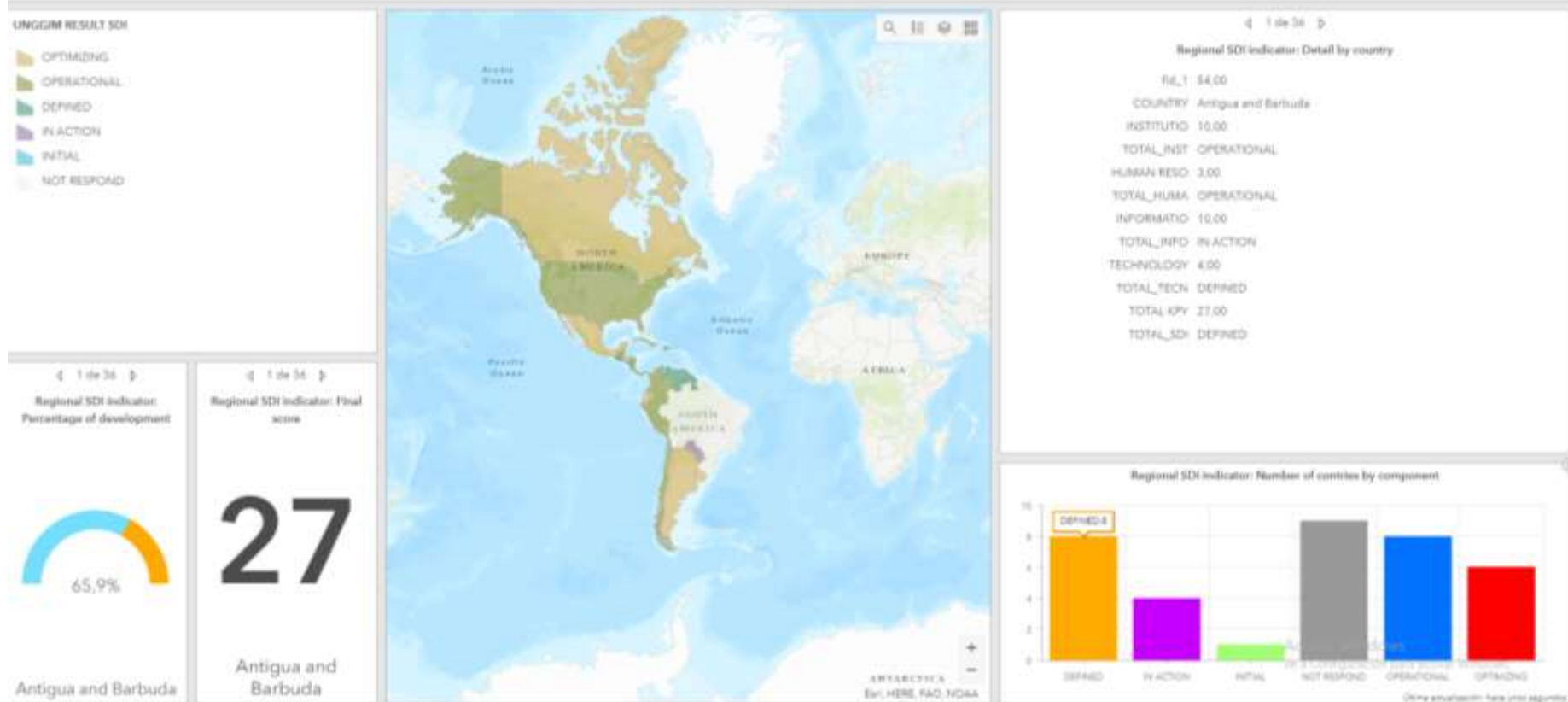


Dynamic Dashboard.

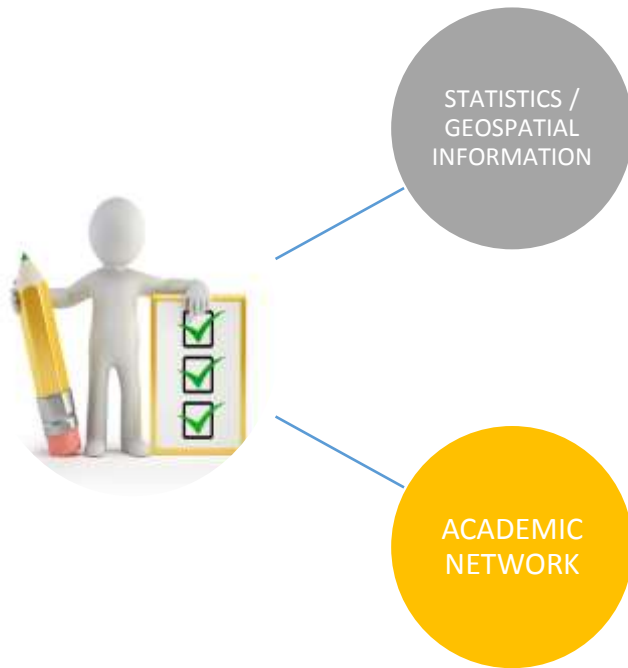


Design evaluation and monitoring tool regarding the progress status of the Regional SDI

Survey UN-GGIM Americas 2019: Workgroup Regional SDI



Structure of the survey 2019



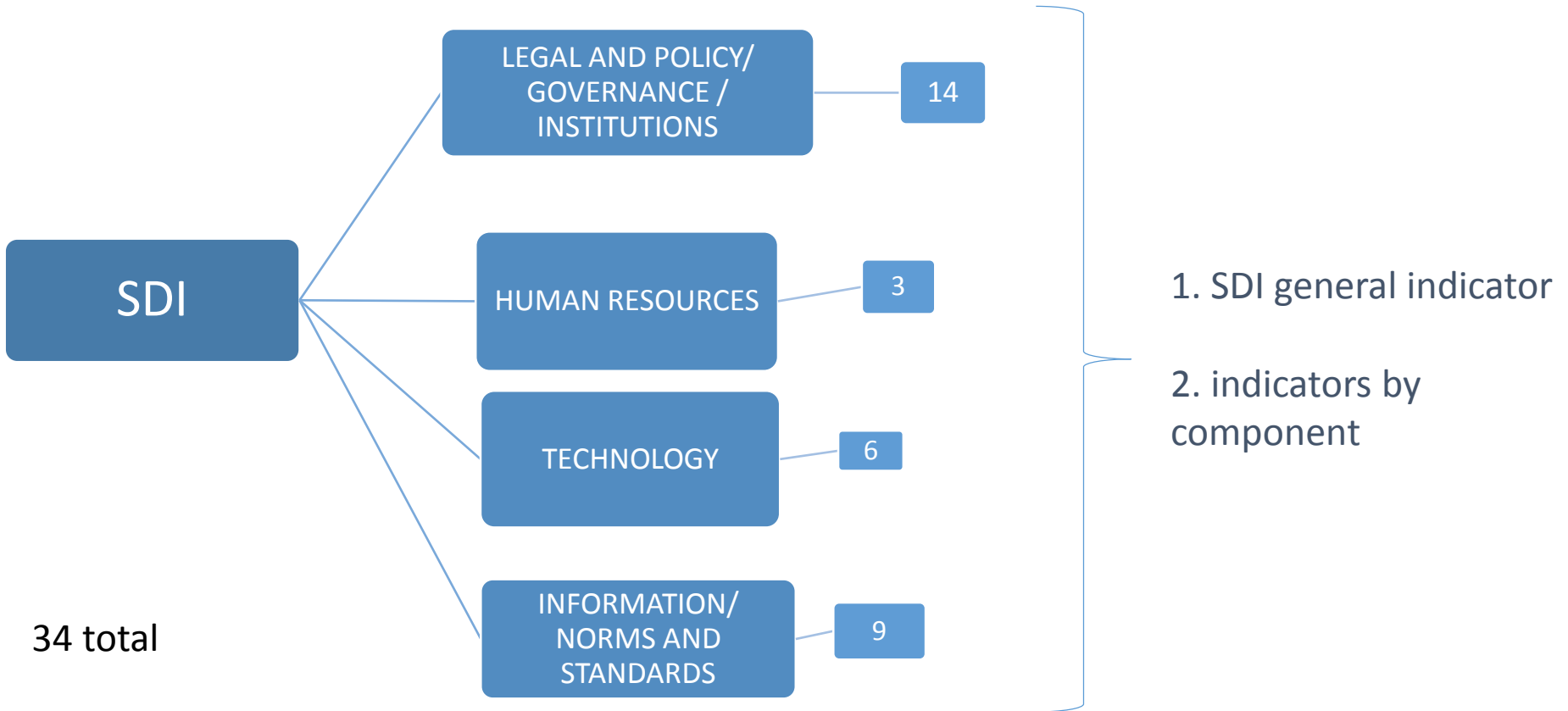
- Instrument design (2018)
- Applied during the months of May to June 2019.
- 27 countries responded.



Examples

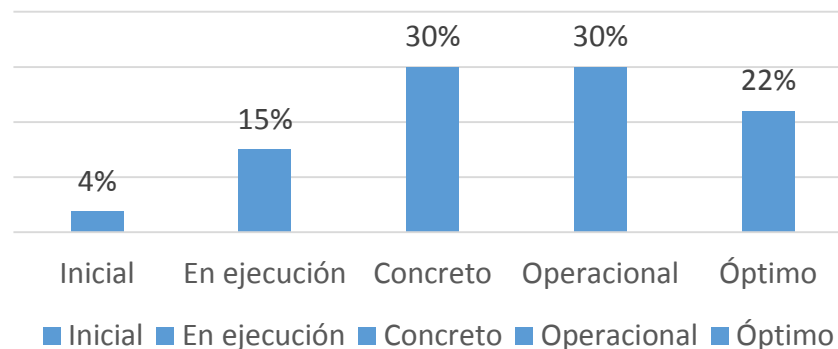
How many digital data is available for viewing on the platform of the Geospatial Data Infrastructure in your country?

Structure of the survey Components



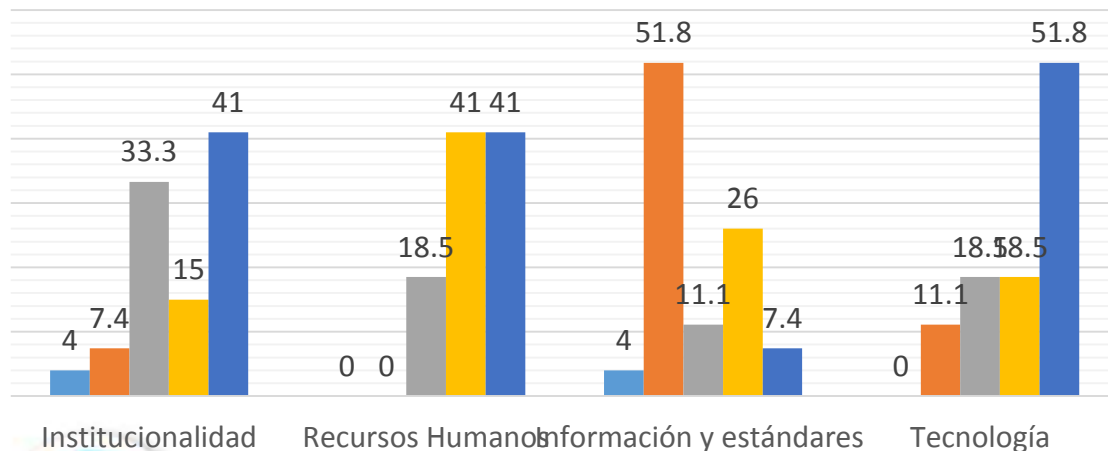
General Results Survey 2019

SDI Implementation level 2019



Porcentajes de estado de implementación a partir de categorías
Indicador IDE 2019

■ Inicial ■ En ejecución ■ Concreto ■ Operacional ■ Óptimo



Survey UN-GGIM Americas 2019: Workgroup Regional SDI



No hay leyenda



◀ 1 de 36 ▶

Regional SDI indicator: Detail by country

rid_1	54,00
COUNTRY	Antigua and Barbuda
INSTITUTIO	10,00
TOTAL_INST	OPERATIONAL
HUMAN RESO	3,00
TOTAL_HUMA	OPERATIONAL
INFORMATIO	10,00
TOTAL_INFO	IN ACTION
TECHNOLOGY	4,00
TOTAL_TECN	DEFINED
TOTAL_KPY	27,00
TOTAL_SDI	DEFINED

◀ 1 de 36 ▶

Regional SDI indicator:
Percentage of development



Antigua and Barbuda

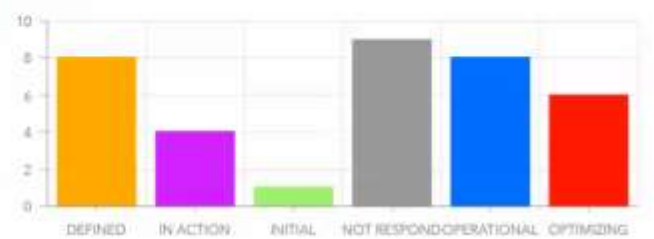
◀ 1 de 36 ▶

Regional SDI indicator:
Final score

27

Antigua and Barbuda

Regional SDI indicator: Number of contries by component



Última actualización: Hace un minuto



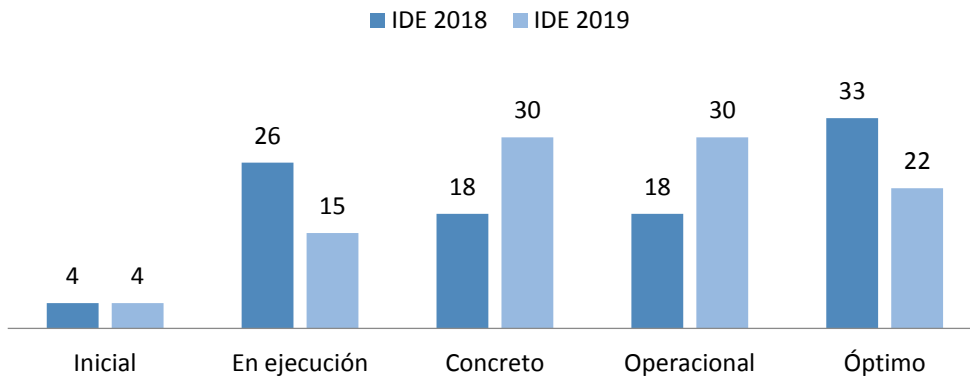
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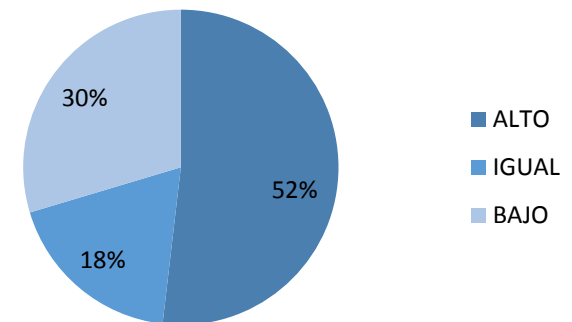
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Comparative analysis of general results: regional IDE indicators years 2018-2019

Estado comparativo indicador IDE en porcentajes año 2018-2019



Variabilidad indicador IDE regional años 2018 - 2019



Total de países que responden ambas encuestas	SUBE / HIGH	IGUAL / EQUAL	BAJA / LOW
27 (100%)	14 (52%)	5 (18%)	8 (30%)
KPI	Presentación positiva 70%		Presentación negativa 30%



Dashboard 2019

Variability indicator SDI regional members UN-GGIM Americas years 2018 - 2019



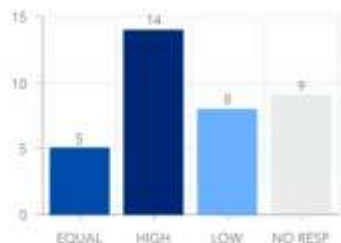
15 de 36

No hay leyenda

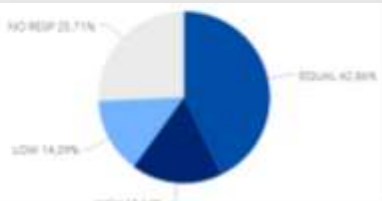
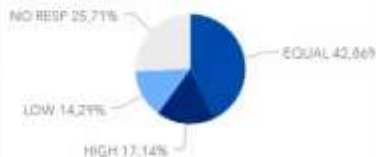
El Salvador: TOTAL KPI: HIGH

COUNTRY El Salvador:
 INST_2018 6,00
 INST_2019 8,00
 VARIA_INT HIGH
 RH_2018 3,00
 RH_2019 2,00
 VARIA_RH LOW
 INF_2018 10,00
 INF_2019 10,00
 VARIA_INF EQUAL
 TEC_2018 4,00
 TEC_2019 5,00
 VARIA_TEC HIGH
 KPY_2018 23,00
 KPY_2019 25,00
 VARIA_KPY HIGH

Variability indicator regional SDI years 2018 - 2019



Variability indicator regional SDI years 2018 - 2019 by component: Human Resources

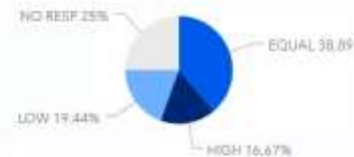


En: HERE, FAO, NOAA

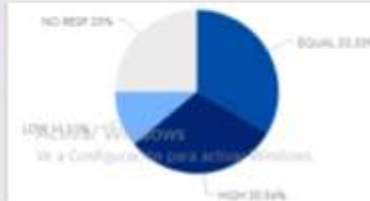
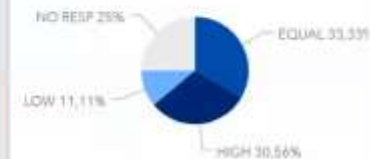
Variability indicator regional SDI years 2018 - 2019 by component: Institutional



Regional SDI indicator variability years 2018 - 2019 by component: Information



Variability regional SDI indicator years 2018 - 2019 by component: Technology



Final thoughts

- Regional challenge in both the application of an indicator
- About the preliminar results ... a challenge to understand or explain the results
- The importance of every country participate, study the results. Share the information of good practices and examples.

NEXT TASKS

- 2019 results analysis / UN GGIM Americas Oct.
- Repository





UN-GGIM:Americas

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