Advancing in the implementation of the GSGF in the Americas

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Seventh Meeting of the Expert Group on Integration of Statistical and Geospatial Information
Santiago de Chile, 1 – 2 December 2022
Some results of the GSGF Global Survey in the region of the Americas

DA 13 Project – Increasing capacities for the integration of Statistical and Geospatial information

Facility Project to implement Statistical geoportals at NSOs

UN-GGIM: Américas work plan for the integration of statistical and geospatial information

Closing remarks
Some results of the GSGF Global Survey in the region of the Americas

Regional average on the knowledge about GSGF

<table>
<thead>
<tr>
<th></th>
<th>ONE</th>
<th>ANIG</th>
<th>Other public organizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Awareness on the Global Statistical Geospatial Framework (GSGF)</td>
<td>4,5</td>
<td>4,1</td>
<td>2,6</td>
</tr>
</tbody>
</table>

Less awareness:

- 1
- 2
- 3
- 4
- 5
- 6

More awareness:

- No Information
Some results of the GSGF Global Survey in the region of the Americas

Work relationship between ONE and ANIG

- 24% Coordinated under a formal agreement
- 32% Coordinated without a formal agreement
- 12% With formal agreement but not yet working in a coordinated manner
- 24% Not sufficiently coordinated in their work
- 8% Combined in one organisation
- No data
Some results of the GSGF Global Survey in the region of the Americas

**Implementation of a national statistical-geospatial framework in countries**

- **36%** Regional/national statistical-geospatial framework already implemented.
- **12%** In the process of establishing a framework.
- **40%** Early stage of implementation.
- **12%** Not initiated work to work on the establishment of the framework.

No data, don’t know
Some results of the GSGF Global Survey in the region of the Americas

**Main obstacles preventing an effective integration of statistical, administrative and geospatial data**

<table>
<thead>
<tr>
<th>Obstacle</th>
<th>Regional Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existence of a national fundamental spatial data infrastructure</td>
<td>3.3</td>
</tr>
<tr>
<td>Restricted access to fundamental data</td>
<td>3.3</td>
</tr>
<tr>
<td>Lack of know-how and/or human resources</td>
<td>3.5</td>
</tr>
<tr>
<td>Lack of standardisation</td>
<td>3.6</td>
</tr>
<tr>
<td>Lack of coordination or responsibilities between data custodians</td>
<td>3.7</td>
</tr>
<tr>
<td>Lack of funding</td>
<td>4.6</td>
</tr>
</tbody>
</table>

*Not problem at all* 0 1 2 3 4 5 6 *Significant problem*
Increase capacities to integrate different sources (national accounts, tax information and household surveys).

Increase capacities to integrate geospatial and statistical data and information.

Strengthen capacities to produce disaggregated statistics (using Small Area Estimation techniques).
DA 13 Project – Increasing capacities for the integration of Statistical and Geospatial information

Adoption of geocoding methodologies.

Strengthening capacities in the use of common geographies.

Implementation of policies, standards, good practices and technologies.

National agreement between NSOs and NGIAs to establish a national geostatistical framework.

Roadmap to integrate statistical and geospatial information.

COVID-19 Variables Pilot Geospatial Platform.
DA 13 Project – Increasing capacities for the integration of Statistical and Geospatial information

- Needs assessment
  - UN-GGIM global questionnaire response analysis
  - Technical meetings

- Technical assistance
  - Institutional strengthening
  - Capacity building

- National workshops
  - Promote coordination and
  - Establish a roadmap

- Regional workshop
  - Present the results of the project and good practices for the successful implementation of the GSGF

Current stage: July 2021 to June 2024
Facility Project to implement Statistical geoportals at NSOs

- Adapted to the requirements of each ONE.
- Interoperable with pre-existing architectures.
- Support for internal statistical data management processes.
- Interoperable with other solutions that implement open standards.

Improve access to geostatistical data produced by National Statistical Offices.

Facilitate the integration of NSOs data with public and non-governmental sector geospatial information.

Support decision-making and the elaboration of public policies.
Facility Project to implement Statistical geoportals at NSOs

- **Diagnosis.**
  - Diagnostic meetings.
  - Sending executive summaries.
  - Stage completed

- **Design.**
  - Definition of technological components to be developed.
  - Stage completed

- **Development.**
  - Software development.
  - Testing pre-developed components.
  - Current stage

- **Implementation.**
  - Installation of components into the infrastructure of the National Statistical Offices.
  - Training.

- **Monitoring.**
  - Periodic monitoring.
  - Continuous support.

**YEAR 1**
- 2021

**YEAR 2**
- 2022

**YEAR 3**
- 2023
Facility Project to implement Statistical geoportals at NSOs

1. Use of fundamental geospatial infrastructure and geocoding
2. Geocoded unit record data in a data management environment
3. Common geographies for dissemination of statistics
4. Statistical and geospatial interoperability
5. Accessible and usable

Data integration processes:
- Statistical data manager
- Statistical data dashboard
- Data bank
- Data as a service (API)

Metadata management:
- Geospatial data manager

Roles:
- Data collector
- Microdata manager
- Geocoder
- Data Orchestrator
UN-GGIM: Américas work plan for the integration of statistical and geospatial information

✓ Improve knowledge of the GSGF and its working documents

✓ Strengthen geocoding/georeferencing processes and fundamental geostatistical data infrastructures

✓ Explore methodologies that promote the use of common geographies for the analysis and dissemination of geostatistical analysis

✓ Strengthen capacities focused on interoperability, standards and good practices of geostatistical data
UN-GGIM: Américas work plan for the integration of statistical and geospatial information

✓ Compilation of use cases and technical documentation

✓ Publication of use cases and technical documentation on the UN-GGIM website: Americas

✓ Regional training workshops

✓ Virtual courses for the regional geostatistical community
Closing remarks

✓ The implementation of the GSGF is a priority in the region

✓ The GSGF Implementation Guide is a valuable resource to support the works being conducted

✓ In general, capacity building resources generated by the EG-ISGI will be very useful in this process

✓ UN-GGIM: Américas work plan for the integration of statistical and geospatial information
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