Working Group on Trends in national institutional arrangements in geospatial information management

Task Group 2 (TG2)
Founding Structures, Dissemination systems and Data Policies Models
Resultados de Aplicación de Cuestionario

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Training Tool
TG2

Task Group 2 (1.2, 1.3, 1.4):
Questionnaire on Geospatial Reference Information (GRI) funding structures, dissemination systems and data policy models

Section I. Funding Structures
6 Questions

Section II. Dissemination Systems
1 Questions

Section III. Data Policy Models
8 Questions

Section I. Funding Structures

Funding Sources

1. Are there any structured models for funding?

2. What is the main source of funding in your country for GRI production?

3. Does your country received any international funding for GRI production?

4. How much is the amount allocated (USD) and what percentage represents regarding the GDP of the country?

Funding Destination

5. How is the funding used?

Return of Investment

6. Is there a model for the return of investment (ROI) derived from services, rent or sale of GRI?

Section II. Dissemination Systems

Dissemination Media

7. Which authority is responsible for spreading the official GRI in your country?

8. Which is currently the principal means for access and consulting GRI in your country?

9. Do you consider that the dissemination mechanisms for GRI implemented in your country are adequate to meet the needs for different users?

10. Which means is used to publish available GI or GRI to the population of your country?

Promotion of Knowledge and Best Practices

11. Do you maintain relationship with the academy to promote awareness and use of GRI?

12. Do you maintain relationship with the private sector and/or non-governmental organizations to promote awareness and use of GI or GRI?

13. Is there awareness in your country of best practices for better dissemination of GI or GRI that have or not been implemented?

Products / Services y Accessibility

14. Which are the main products and services offered of GRI?

15. Which is the accessibility level of official GI or GRI generated in your country?

16. Does GI or GRI use have a cost for the population?

17. Is there a feedback mechanism from users regarding the GRI available?

Section III. Data Policy Models

Legal Framework

18. Does the country have a legal framework that regulates the collection, generation, analysis, processing, dissemination and/or receipt of Geospatial Information?

19. Is the legal framework aligned with international standards?

20. Is there any law or regulation being developed currently regarding the subject?

21. Is the application of the legal framework required at a national, regional, local level (municipalities or districts), on the public or private industry, etc.?

22. Is there a law that promotes the establishment and maintenance of a national SDI?

Data Policy and Governance

23. List the main policies or regulations that standardize access and distribution of geospatial data

24. Has your country developed or is in process of having an open geospatial data initiative?

25. Is there a policy or strategy relating geospatial awareness or governance information?

Answers:

The following table shows the total number of countries that answered the TG2 questionnaire by Region:

Region	Total of Countries	Respondidg	Nor Respondidg
Africa	54	2	52
America	35	7	28
United Arab	22	2	20
Asia – Pacific	49	4	45
Europe	49	12	37
Total	196	27	169

Response by Region
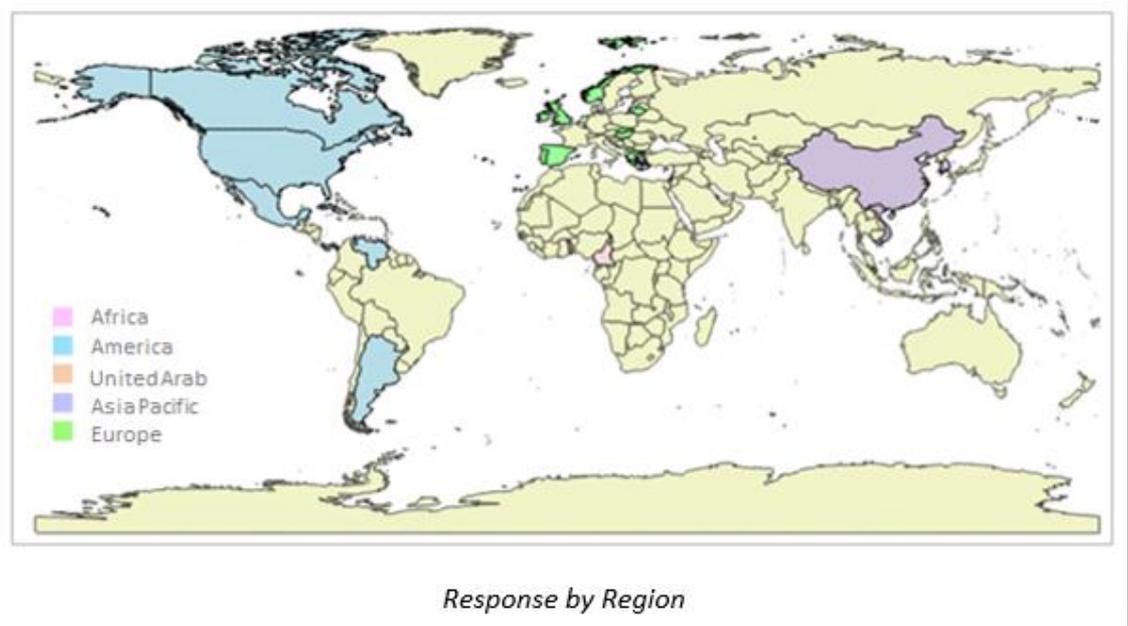
Completeness degrees

1. Regarding financing structures, 23 countries responded this section, there was no answer from : Palestine, Slovakia, Portugal and Hungary.

Countries Responding
Countries not responded

Funding Structures Response
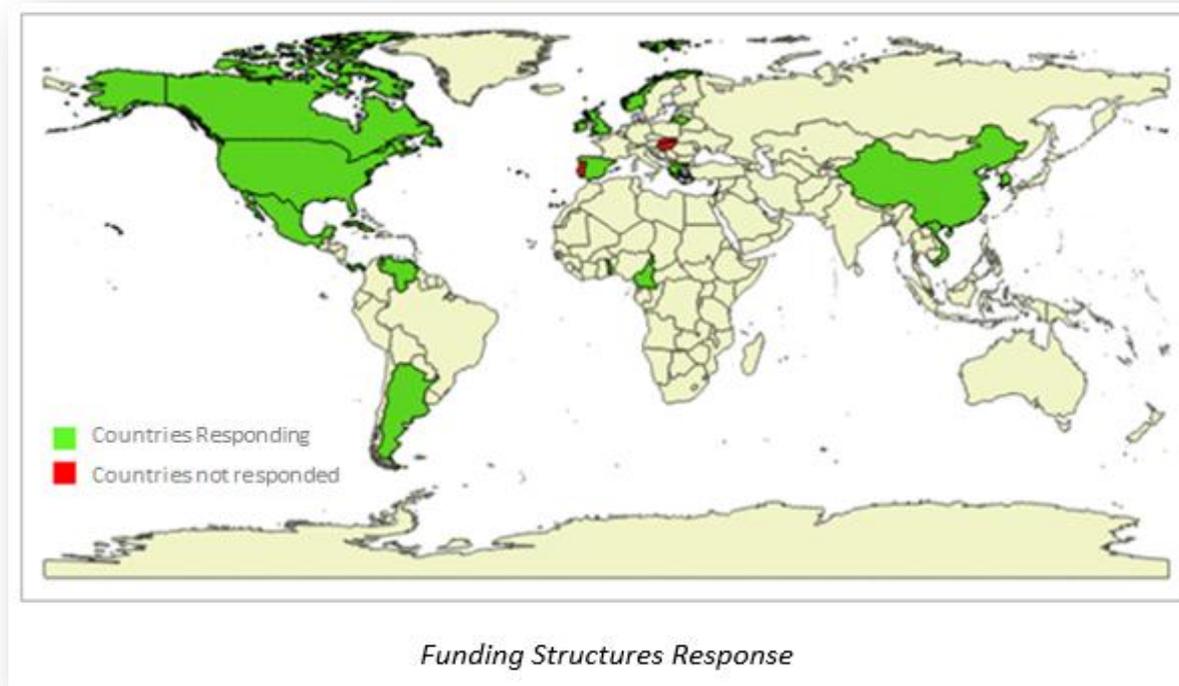
Completeness degree:

2. For the Dissemination section, the 27 countries answered.

3. On the issue of policies and data models 21 countries responded, there was no answer from 6 countries: Palestine, Slovakia, Hungary, Togo, Cameroon and San Marino.

Response Data Policy

Completeness degree:

Answers to three sections by region
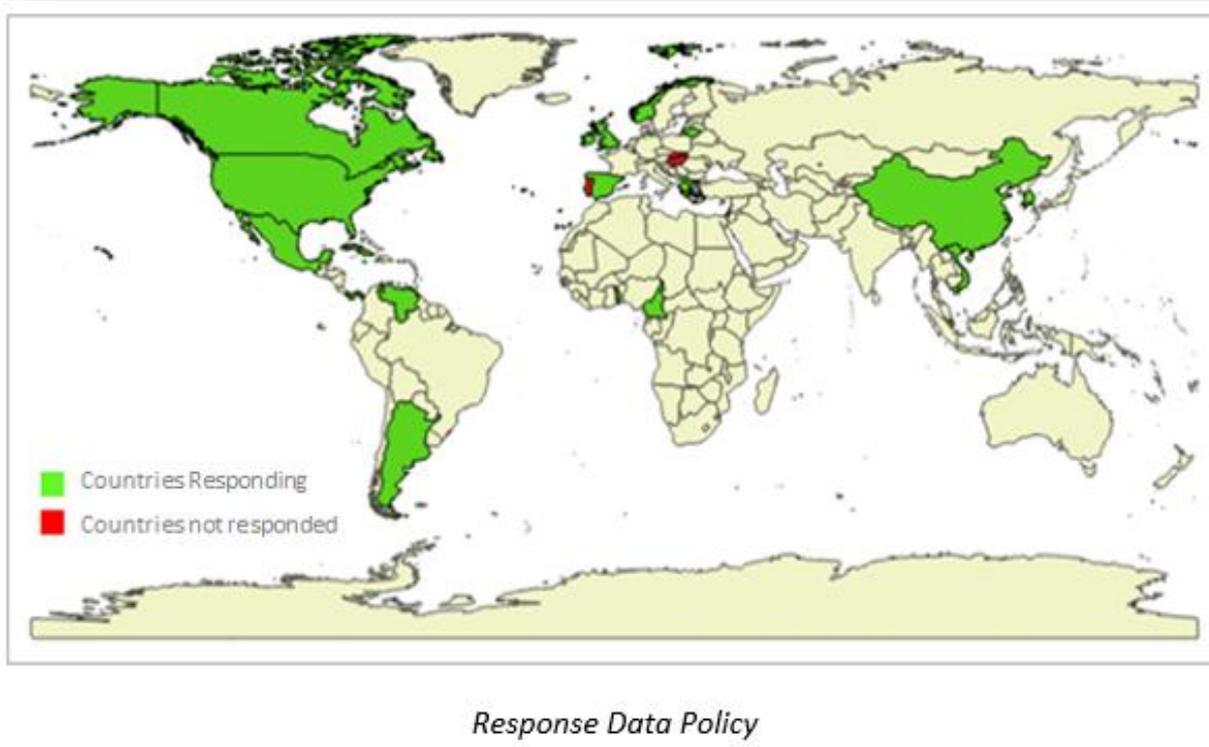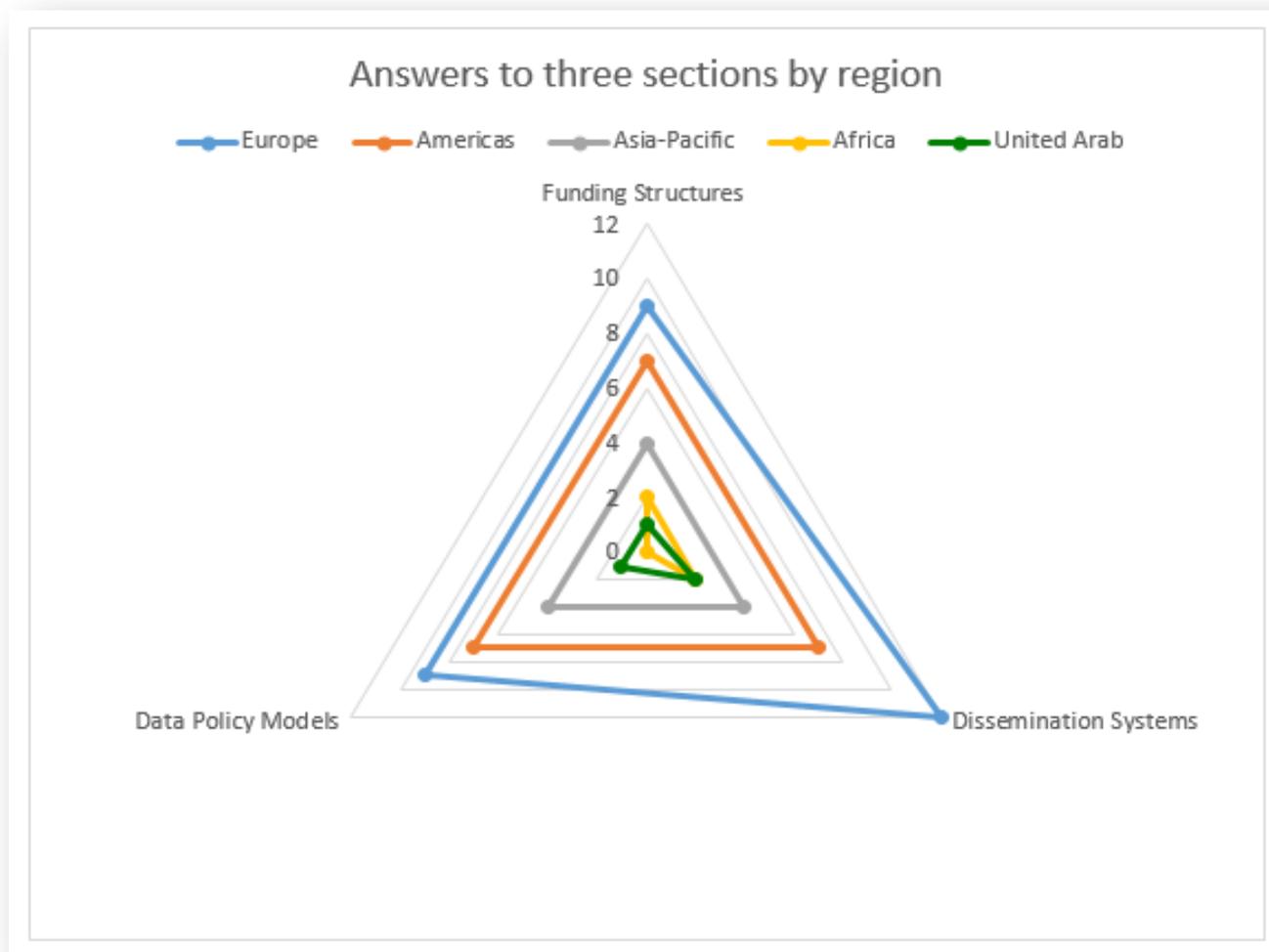
I. Financing structures

Financing models

For acquisition, processing and dissemination of GI, stresses that funding is mainly from a public source

Funding for GI acquisition

Funding for GI processing

Funding for dissemination of GI
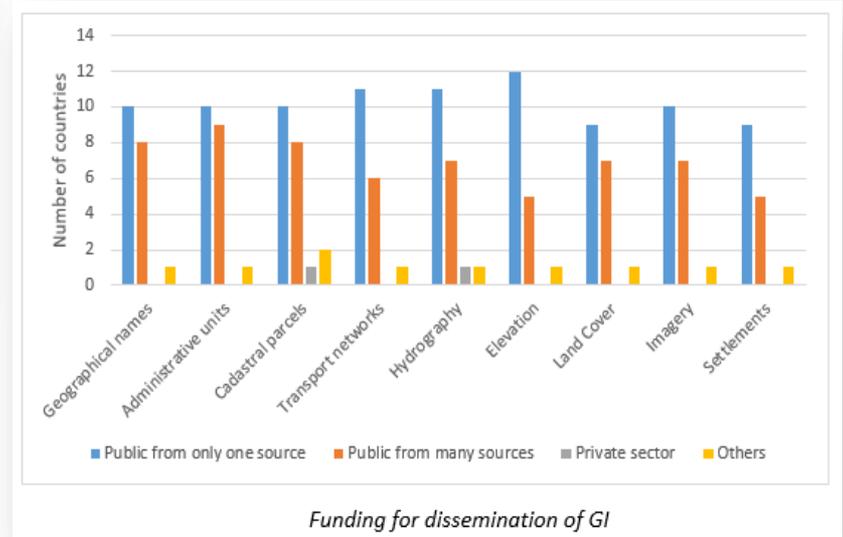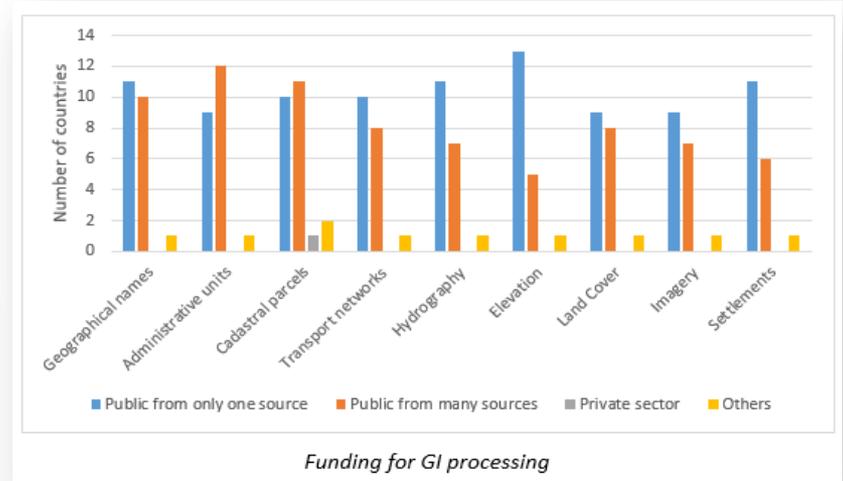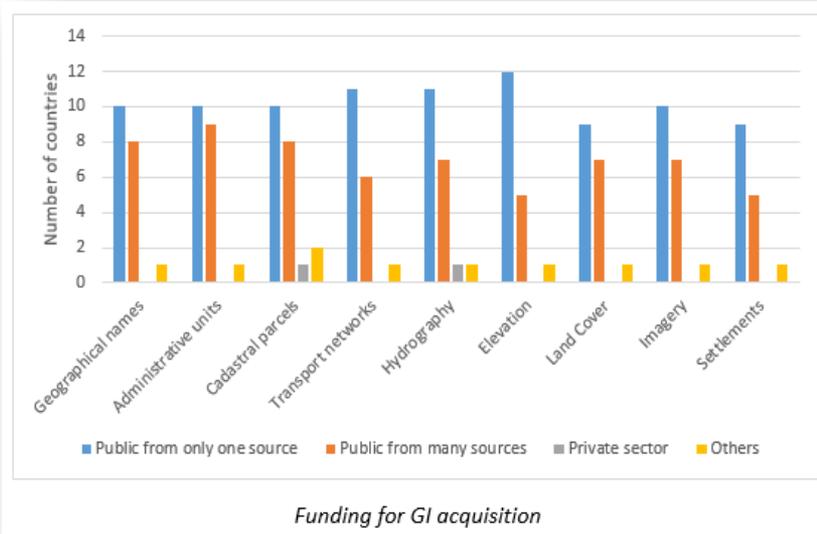
I. Financing structures

Financing application

The highest percentage of financing implementation is reflected in the activities of production and renovation, which is an indication that these are the main activities.

4.8%   3.3%
2.4%
6.0%
16.3%
67.2%

- Production and update
- Technology acquisition and infrastructure
- Methodology development, training
- Research
- Maintenance services and/or geoportal
- Development of nationa/regional/local SDI

Application of funding
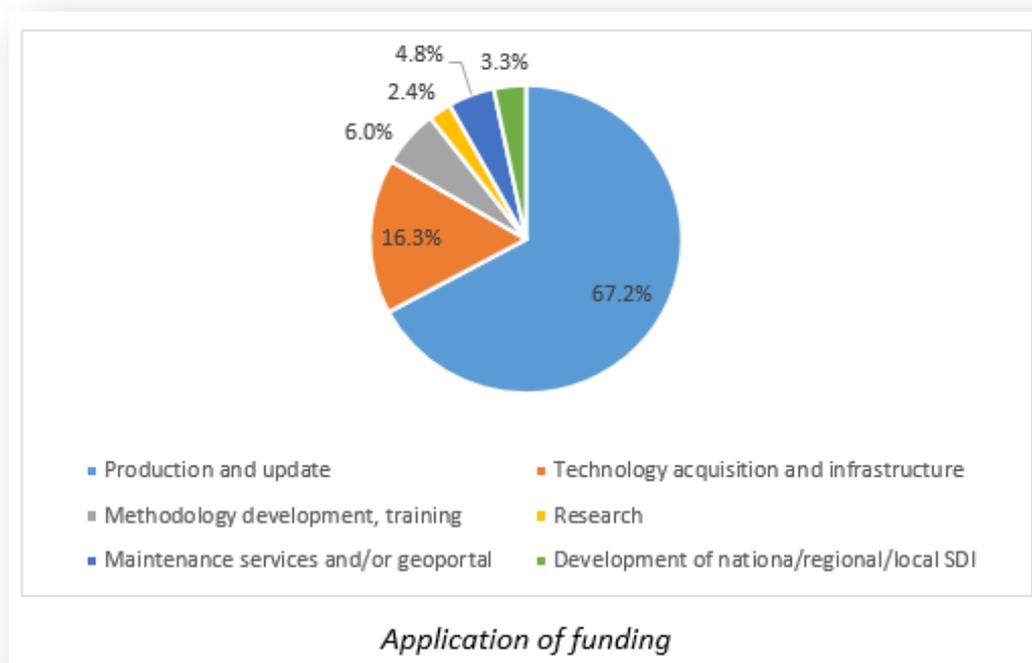
II. Dissemination systems

Responsible Authotity of Official IGR Dissemination

In every issue stands the National Mapping Agency, followed by sectoral ministries.

Authority responsible for spreading the GRI

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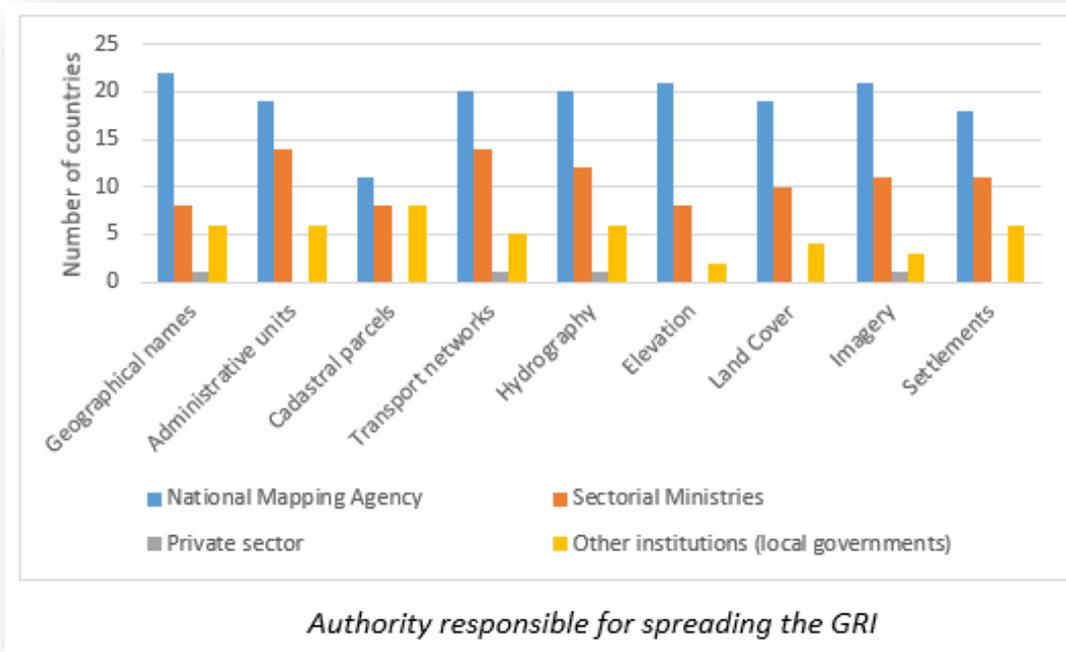
II. Dissemination systems

IGR means of access and consultation

It shows that 66% of countries use Web services and geoportals as the primary means for accessing and consulting GRI; however, even with the new technologies available, also in 18 countries the information is spreading through physical means. The result showing the lowest value is the cloud.

Means of access and consultation GRI
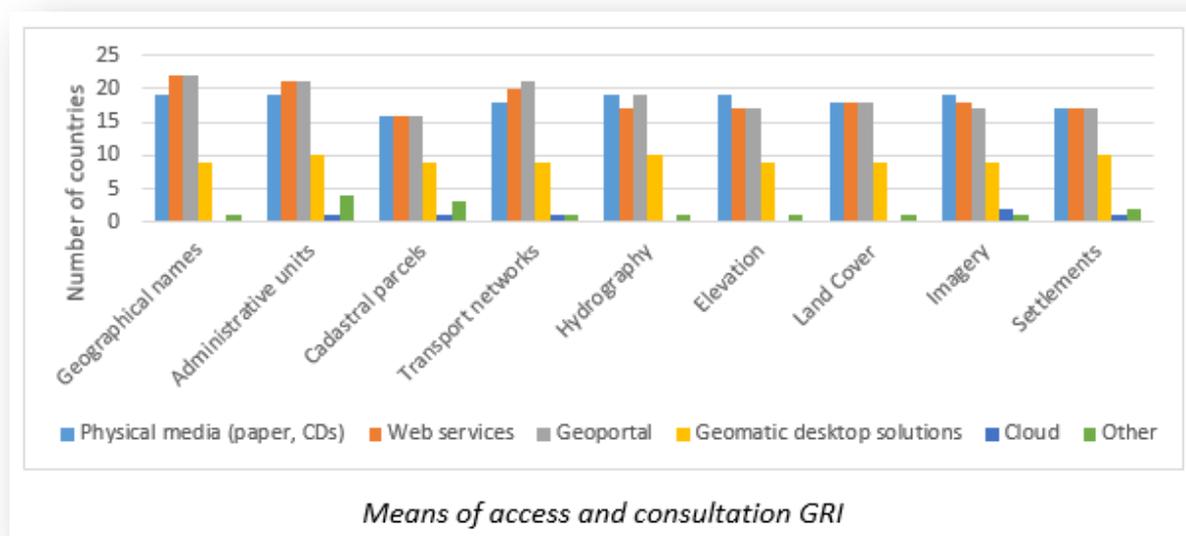
II. Dissemination systems

Use cost for IG or IGR

63.9% of countries say the IG and the IGR does not have a cost for the population, 36.1% do assign a cost for it.
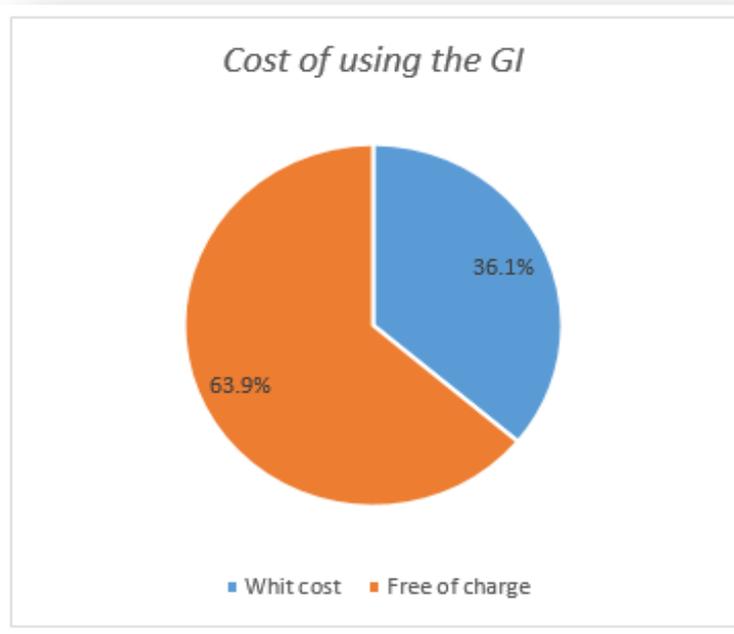
User feedback regarding the IGR available

65.5% of the countries stated that there are feedback mechanisms for users to GRI data, while 34.5% indicate otherwise.

Cost of using the GI

36.1%

63.9%

■ Whit cost   ■ Free of charge

Feedback mechanism

34.5%

65.5%

■ Yes   ■ No
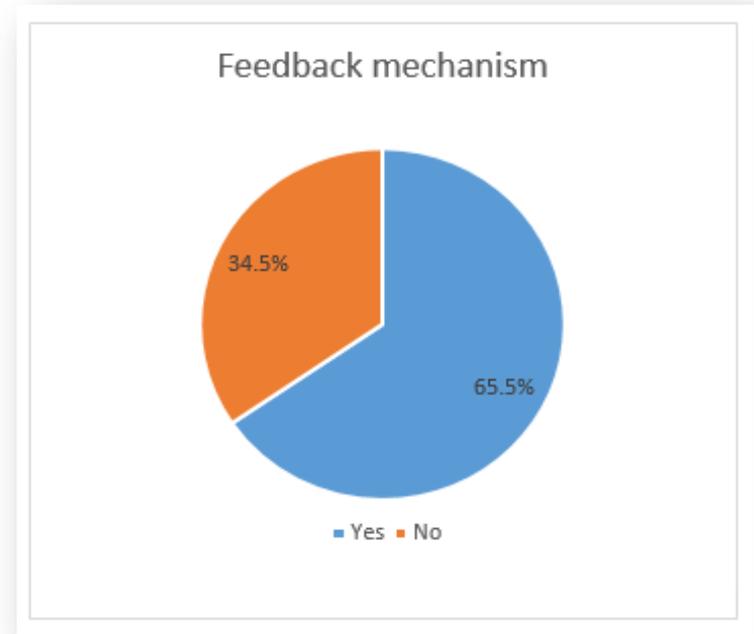
III. Data Policy Models

Legal framework aligned to International Standards

60.7% of the countries report that the legal framework for acquisition, processing and dissemination is not aligned with international standards and 39.3% mentioned that this agreement is presented.

Alignment legal framework to international standard

39.3%

60.7%

■ Yes ■ No

Only 8 countries whose legal framework is aligned with international standards, specifies how organizations or initiatives maintains that agreement.

international Standards	Frecuency (Number of countries)
INSPIRE	3
ISO	3
OGC	2

III. Data Policy Models

There is a law that promotes the establishment and maintenance of a National SDI

52.4% of the countries believe that in their country there is a law that promotes the establishment and maintenance of a national SDI; meanwhile 47.6% said no.

Existence of law to an IDE
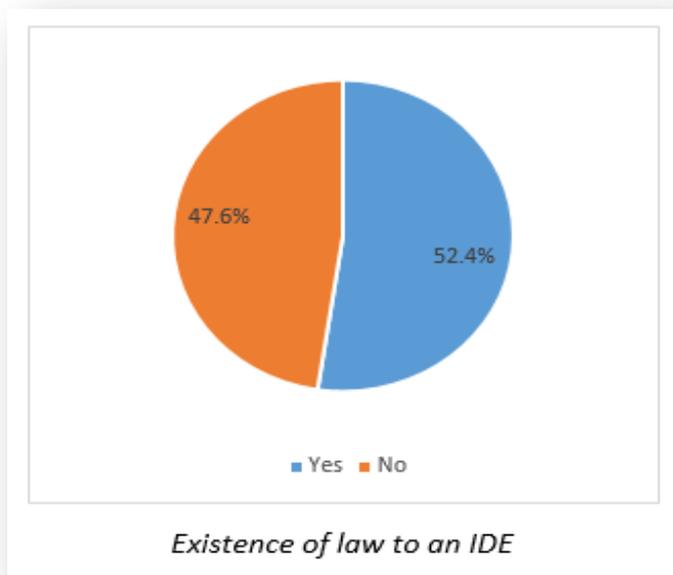
There is a Policy or Strategy relative to Geospatial Knowledge or Governance Information

46.8% of the countries expressed its existence, while 53.2% indicate otherwise.

Existence of policy or strategy geospatial awareness

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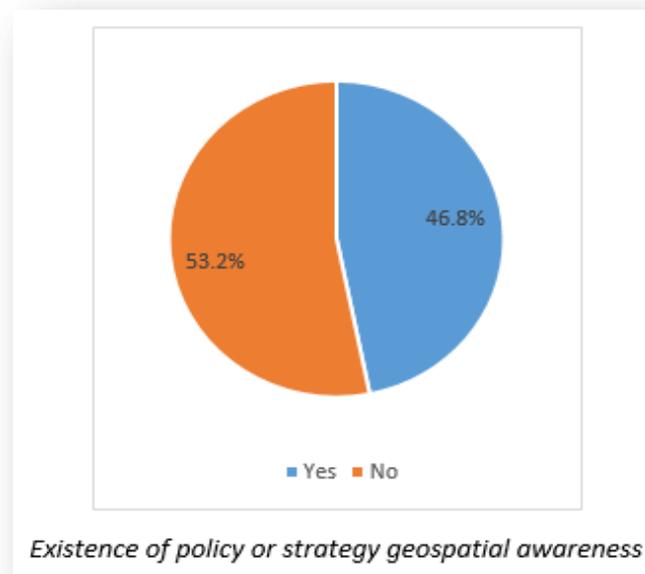
III. Data Policy Models

Open Geospatial Data Initiative

63.3% of countries say that there has been developed or is in the process of developing an initiative of open geospatial data and 33.7% said no.

The issue of Geographical Names slightly stands out, with 20 countries.

Development of open data initiative

Development of open data initiative by topic
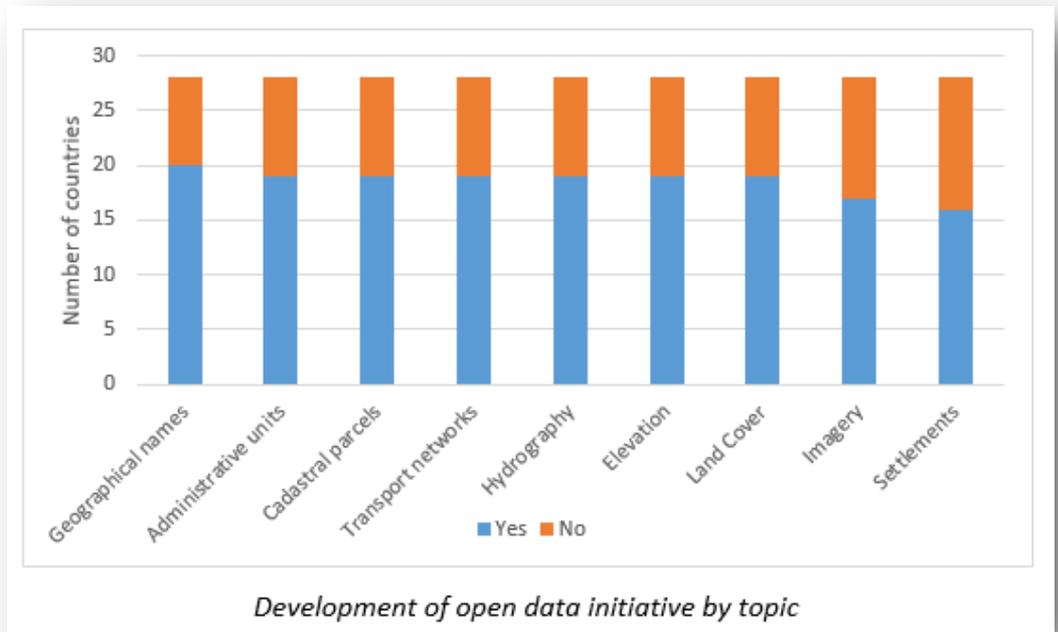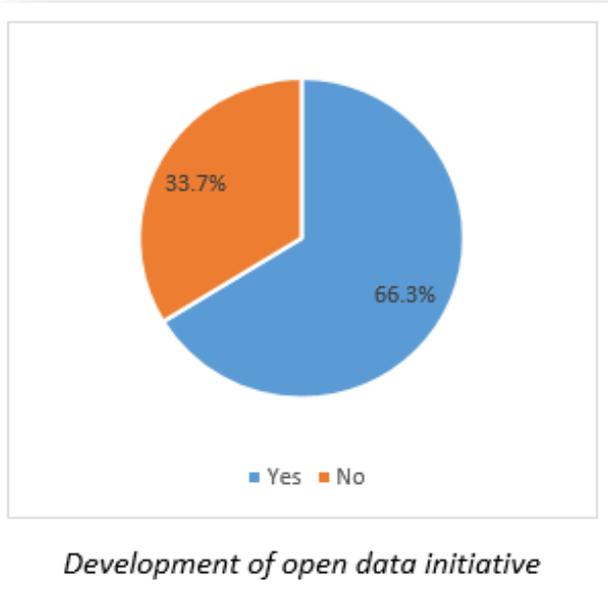
Analysis and Interpretation of TG2 Results

❑ The major financing for the collection, processing, generation and dissemination of IGR is the public sector and international funding is almost non-existent.

❑ On the issue of Broadcasting Systems it shows that there are several areas of opportunity to strengthen the dissemination of IGR mechanisms designed to meet the users needs.

❑ Policy on Data Models, the results show that should continue working on creating a legal framework to regulate the generation, processing and dissemination of GI, in addition to further development of policies or regulations on the subject. Likewise, they should continue to work on legislations to promote the establishment and maintenance of a national SDI.

Analysis and Interpretation of TG2 Results

❑ According to the model applied on statistical data analysis, it is concluded that the results do not reflect the situation in the region or continent but only what prevails in countries that answered the questionnaire.

❑ The amount and degree of response obtained -in comparison to the total universe of member countries of the UN-GGIM- the results presented in this document, may be just a little concerning the outlook that prevails on financing structures, dissemination systems and policies data models in the global geographical community.

Thank you for your attention

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