

Working Group on Standards and Technical Specifications(GTnet)

Synopsis of the implementation
of the Work Plan
and Diagnostic 2015



UN-GGIM:Americas

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

Second Session UN-GGIM: Americas
11 – 12 November, 2015
Hall: Don Julian - Hotel Hilton Reforma
Mexico City

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 - Documents
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- IV. Questionnaire 2015
- V. Next steps
- VI. Conclusions





I. GTnet Objective

GTnet Objective

Develop activities aimed to establish a set of standards and technical specifications that are applicable in the region of the Americas, within a common standards framework.





II. Coordination and participants

Coordination and participants

I. GTnet Coordinator

- **Geog. Carlos A. Guerrero Elemen**

Director general of Geography and Environment

carlos.elemen@inegi.org.mx



Alternate:

- **Luis Gerardo Esparza Ríos**

Deputy director general of Geospatial Information Integration

gerardo.esparza@inegi.org.mx



National Institute of Statistics
and Geography (INEGI)
Aguascalientes City, Mexico.

II. Participants (14)

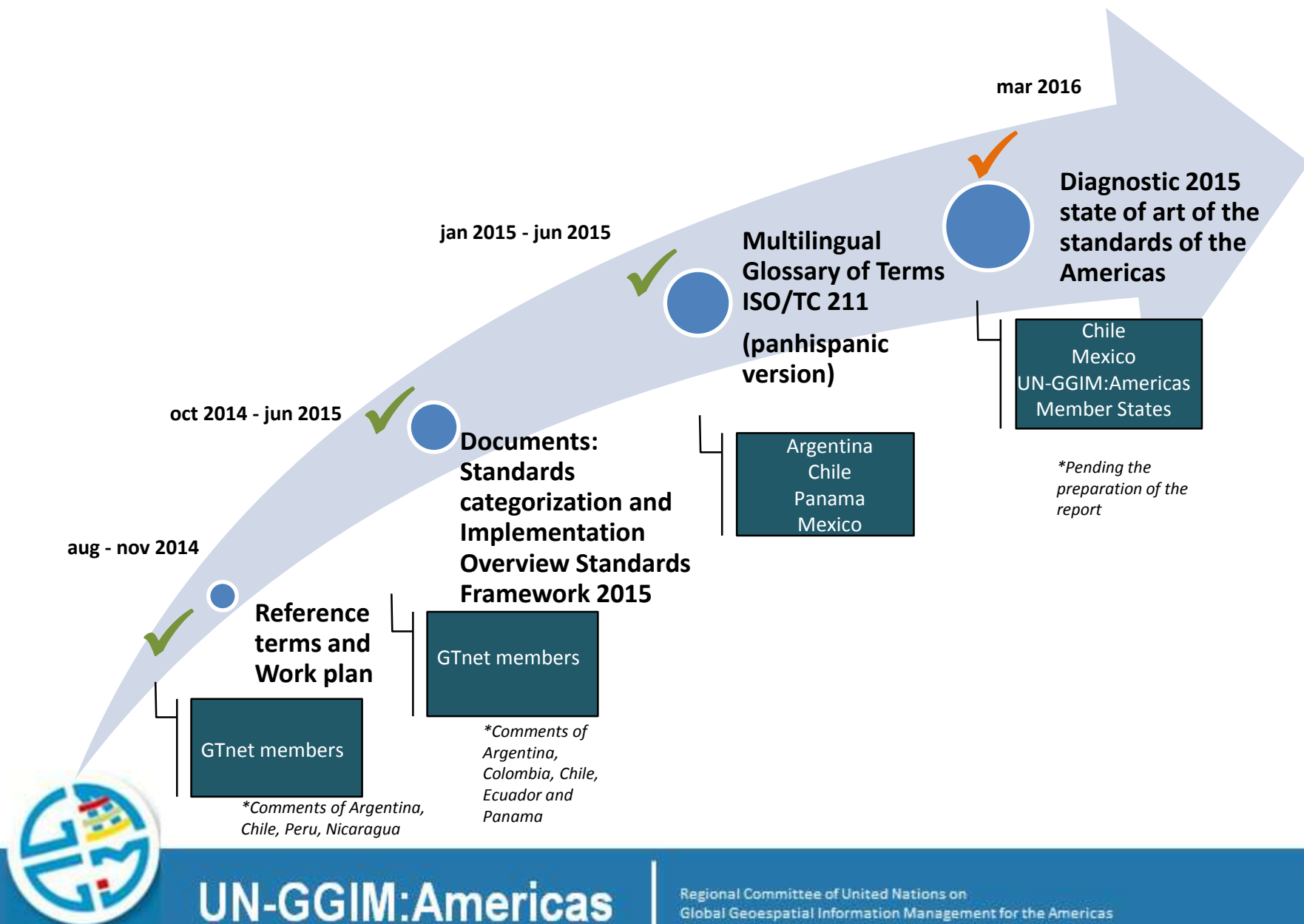
Name	Organism	Country
Alvah Guishard	NOD	Antigua and Barbuda
Ricardo Mansilla	IGN	Argentina
Elizabeth Riley	CDEMA	Barbados
Pablo Morales	SNIT - IDE	Chile
Elena Posada	IGAC	Colombia
Sandra Rodríguez	DANE	Colombia
Alina del Río Marceau	GEOCUBA	Cuba
Vanessa Tobar y Eduardo Jiménez	IGM	Ecuador
Boby Emmanuel Piard	CNIGS	Haiti
Fernando Osorio Salazar	INETER	Nicaragua
Elizabeth Sámuels	ANATI	Panama
Max Lázaro T.	CTT – IGG	Peru
Dwight Francis	MSD	St. Kitts & Nevis
César Rodríguez	Ejercito Nacional	Uruguay





III. GTnet achievements 2014-2015

Gtnet achievements 2014- 2015



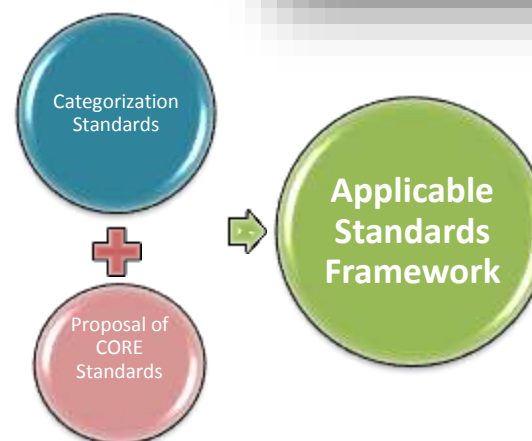
Gtnet achievements 2014- 2015

I. Developed documents:

- Reference Terms
- Work plan 2014-2016
- Geospatial Information Categorization Standards of the Americas Region.
- Implementation Overview of the Standards Framework of the Americas 2015 (*update: Implementation Overview of the Standards Framework of the Americas 2013*)

II. Process documents:

- Applicable Standards Framework in the region of the Americas. *It includes documents:*
 - *Categorization Standards and*
 - *Proposal of CORE Standards*
- Diagnostic of Geospatial Standards of the Americas



Multilingual Glossary of terms ISO/TC 211

- Panhispanic version review by the group *R3IGeo Harmonization Group*. <http://www.r3igeo.org>
- During the 3aRTCC PAIGH was realized the *Harmonization of terminology and standards Workshop*. UNAM, Mexico City, June 17, 2015.
- Excel version available: <http://www.isotc211.org/>
- 14 lenguajes: Arabic, Chinese, Danish, Dutch, English, Finnish, French, German, Japanese, Korean, Polish, Russian, Spanish, Swedish



R3IGeo

*Harmonization of terminology
and standards Workshop*

<http://www.r3igeo.org>



ISO/TC 211
Geographic information/Geomatics





IV. Questionnaire 2015

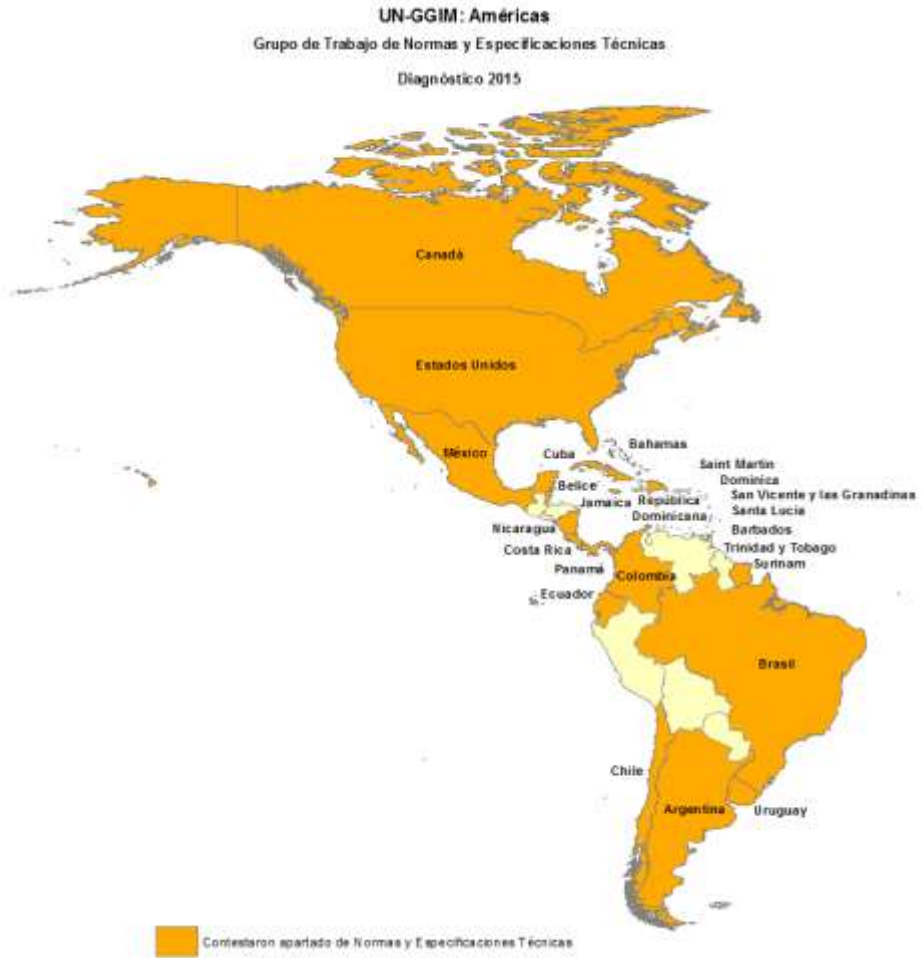
Questionnaire 2015 on regional management of IG

- The questionnaire **objective** in the GTnet section is **to know the current status in the development and use of standards and technical specifications of geospatial information at regional level.**
- The **21 questions** in the questionnaire cover the following **topics**: General Considerations, Production and Use Standards at institutional, national and international level.
- The **application** of the questionnaire was for: July-August 2015 in **38 member states** of the UN-GGIM: Americas.



Countries that answered the questionnaire

Of the **38** UNGGIM: Americas member states to whom the questionnaire was requested, in the following table the **24 countries** that responded were as follows:

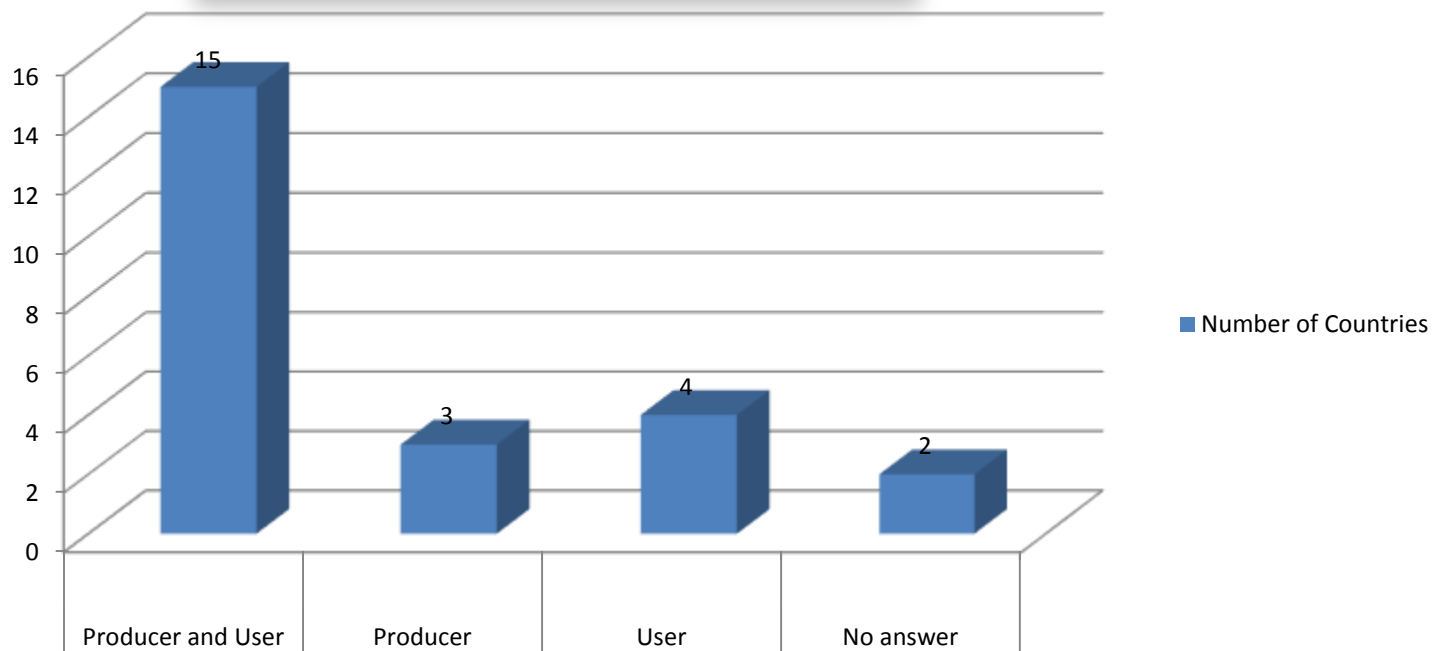


Argentina	United States
Bahamas	Jamaica
Barbados	Mexico
Belize	Nicaragua
Brazil	Panama
Canada	Dominican Republic
Colombia	St. Vincent and the Grenadines
Costa Rica	St. Marteen
Cuba	St. Lucia
Chile	Surinam
Dominica	Trinidad and Tobago
Ecuador	Uruguay



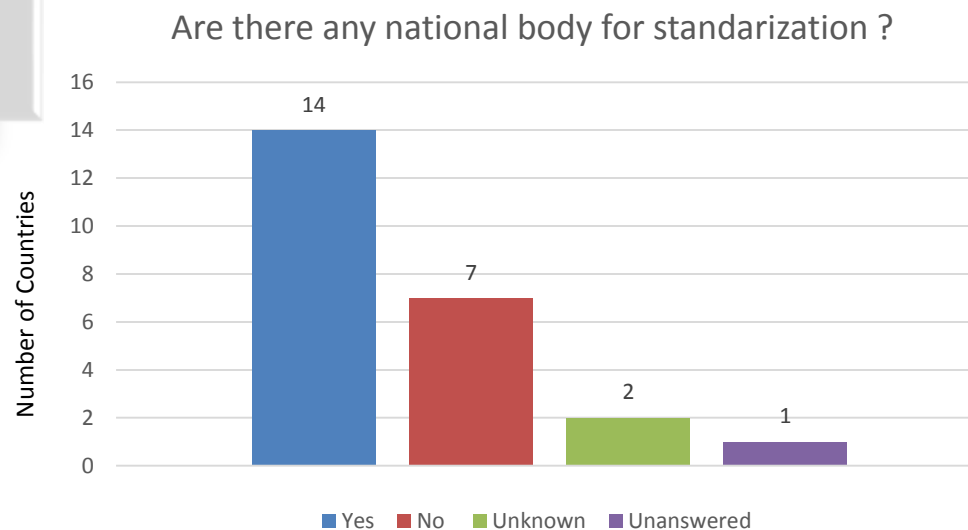
Producers or users of geospatial standards

The majority (15) of the mapping agencies in the región are both **producers** and **users** of geospatial standards.

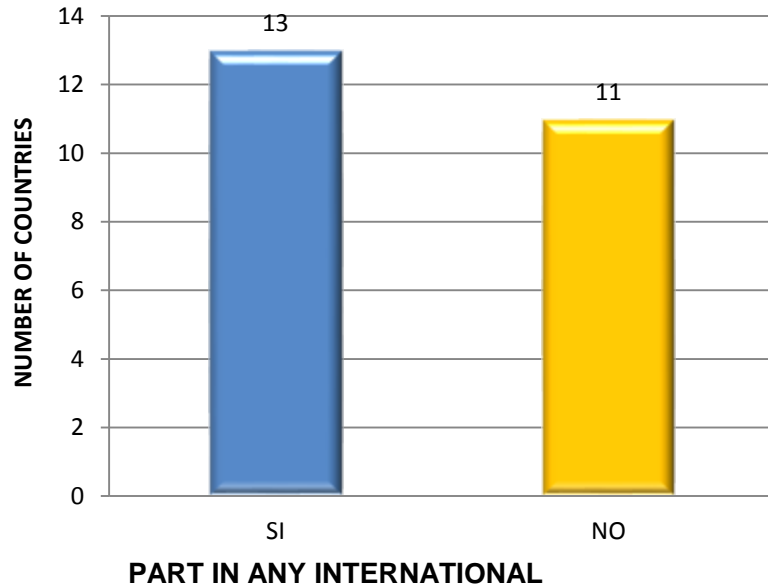


Officially recognized national body

Most countries (14) have an **officially recognized national body** for standardization work in geographical matters.



Participation in organizations or initiatives regional or international standardization



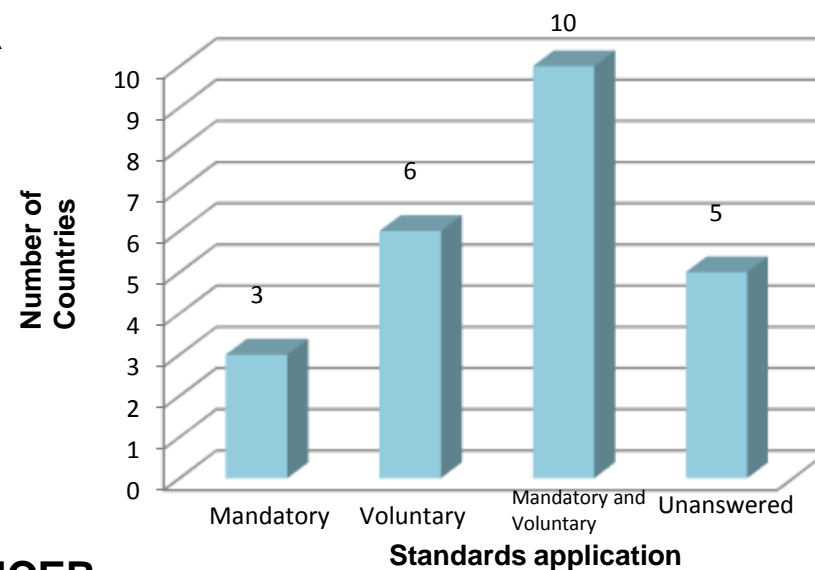
More than half of respondents (13 of 24 countries) are involved in an organization or initiative for standardization in the field of geographic information at regional or international level



Type of application of the standards

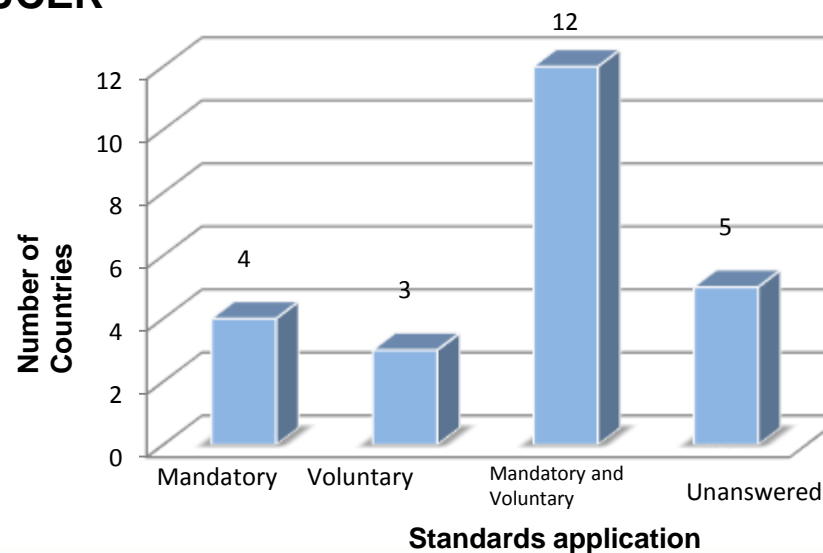
USER

In the region the standards used are **mostly mandatory and voluntary (10)**



PRODUCER

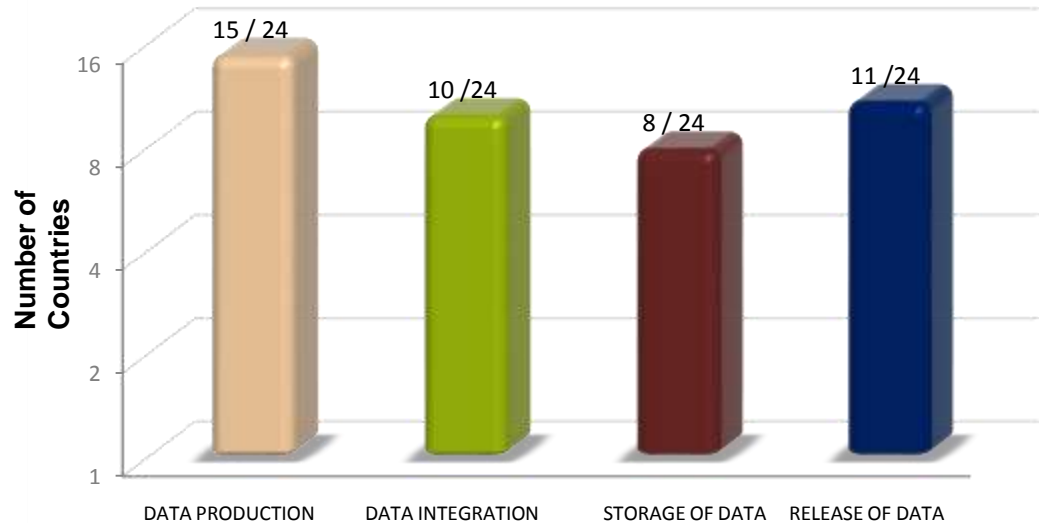
The standards are **produced** in the region are **mostly mandatory and voluntary (12)**



Activities that generate and apply standards

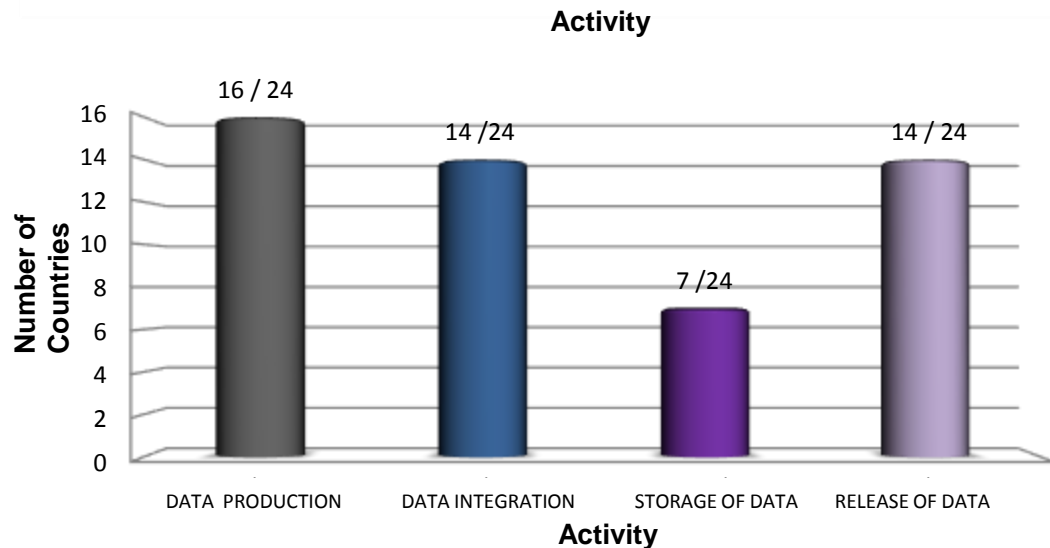
USER

Production data is the activity that generates more standards

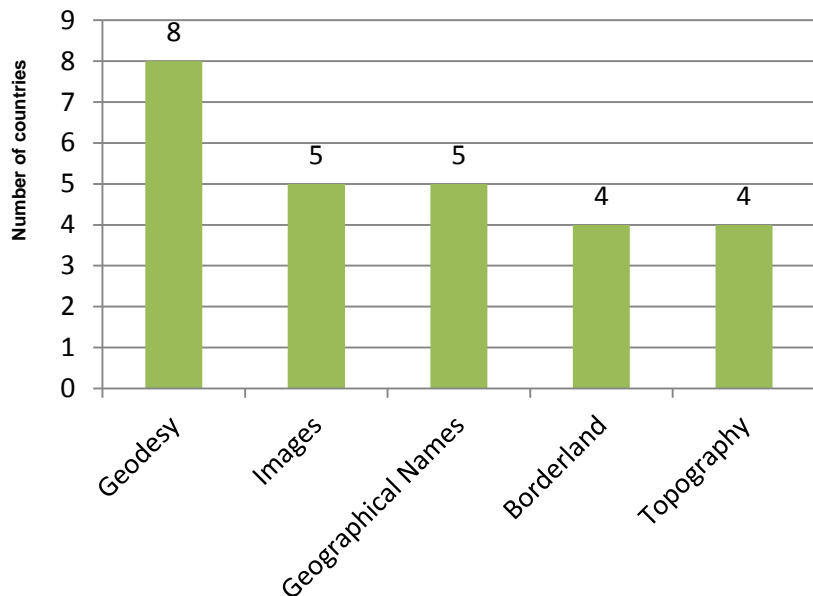


PRODUCER

Production data is the activity that most standards apply

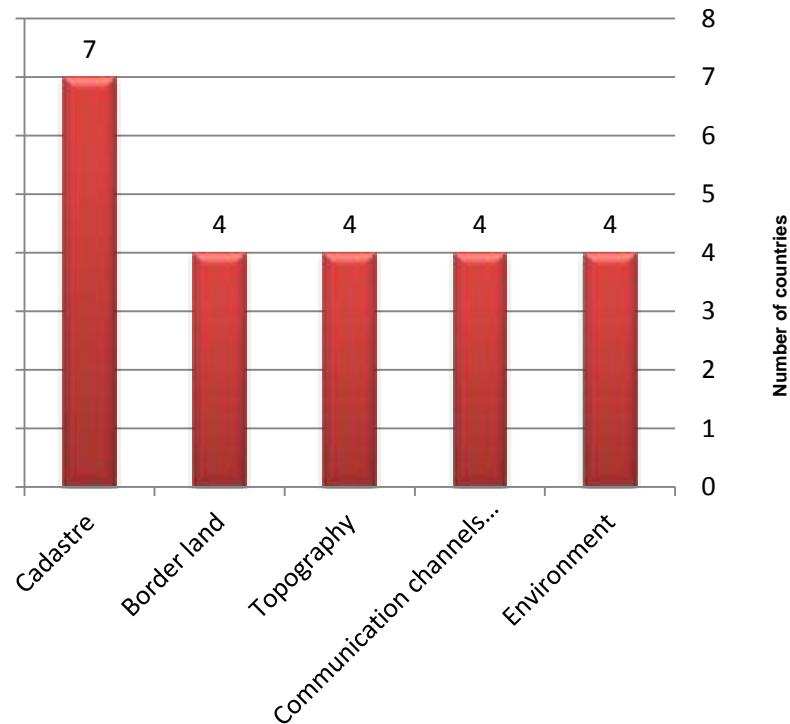


Subject and level of application of the standards



More enforcement topics national standards

The **international** standard most used in America corresponds to the topic of **Geodesy**.



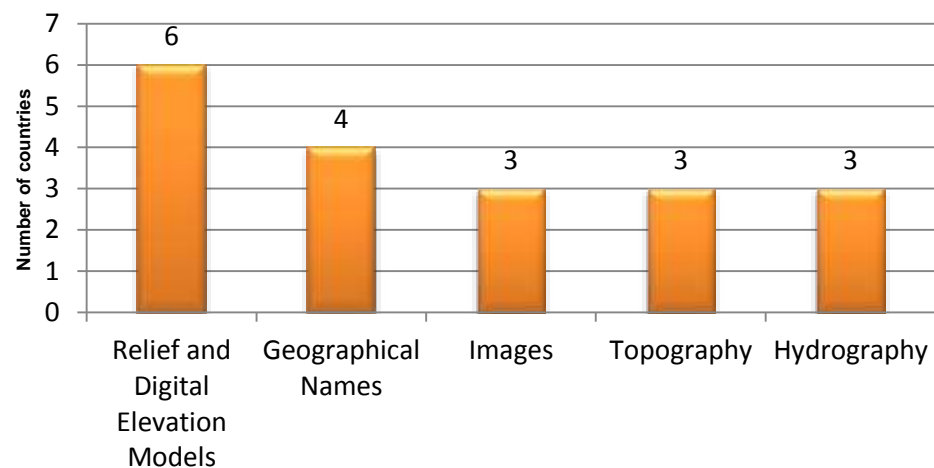
More enforcement topics national standards

The topic most widely used on standards at **national** level is the **Cadastre**



Subject and level of application of the standards

At the **institutional** level the standards of the topic **Relief and Digital Elevation Models** are the most used.



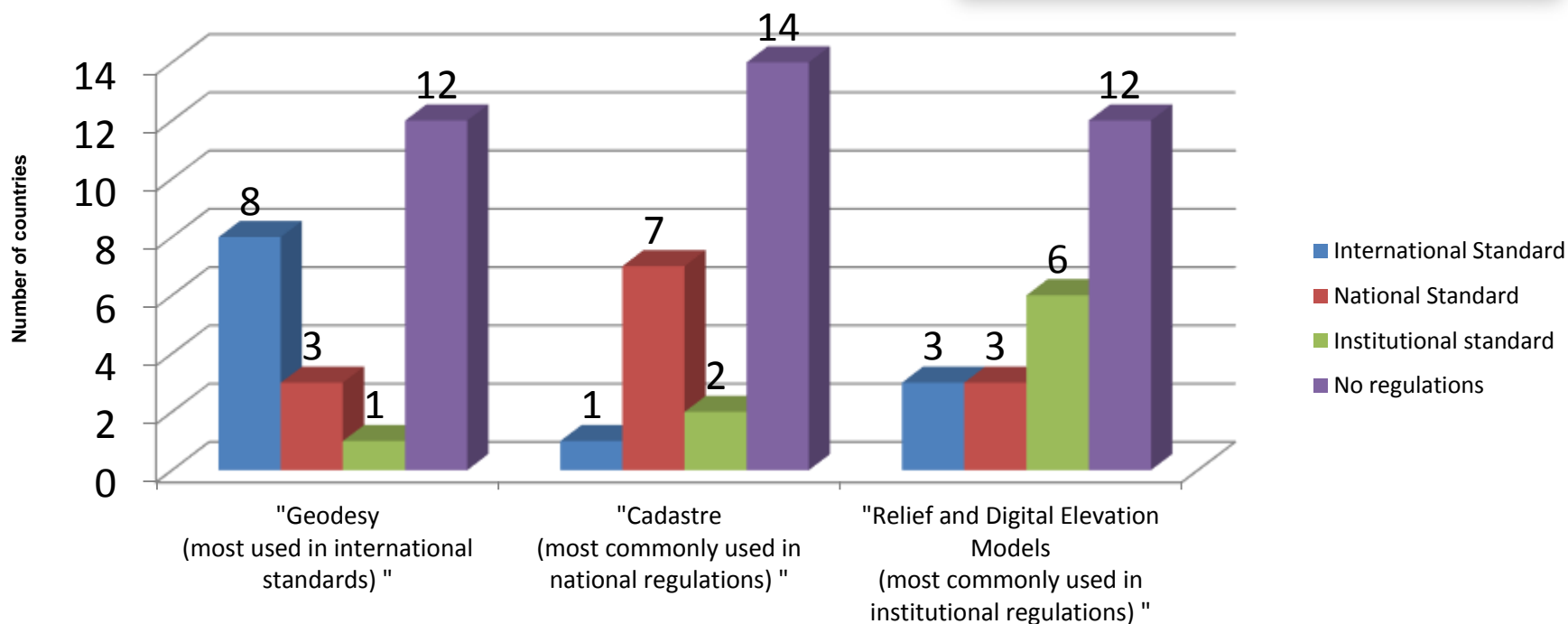
Topics of applying the institutional standards



Thematic and level of application of the standards

Countries that apply standards in the three most used topics

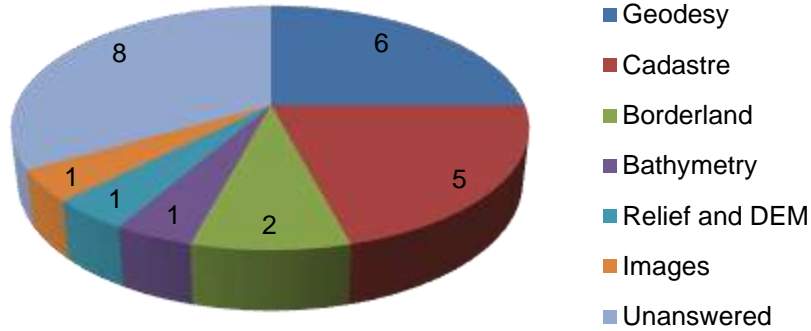
The topic of **Geodesy** is the most normed regardless of the scope of the normativity



Priority topics for users and producers of standards

USER

Number of countries

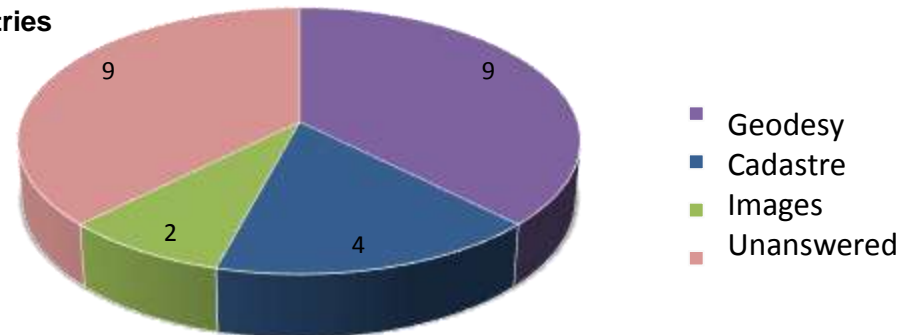


Priority topics for users of standards

As users most members states responded that the priority topic that requires to be normed is Geodesy.

PRODUCER

Number of countries



Priority topics for producers of standards

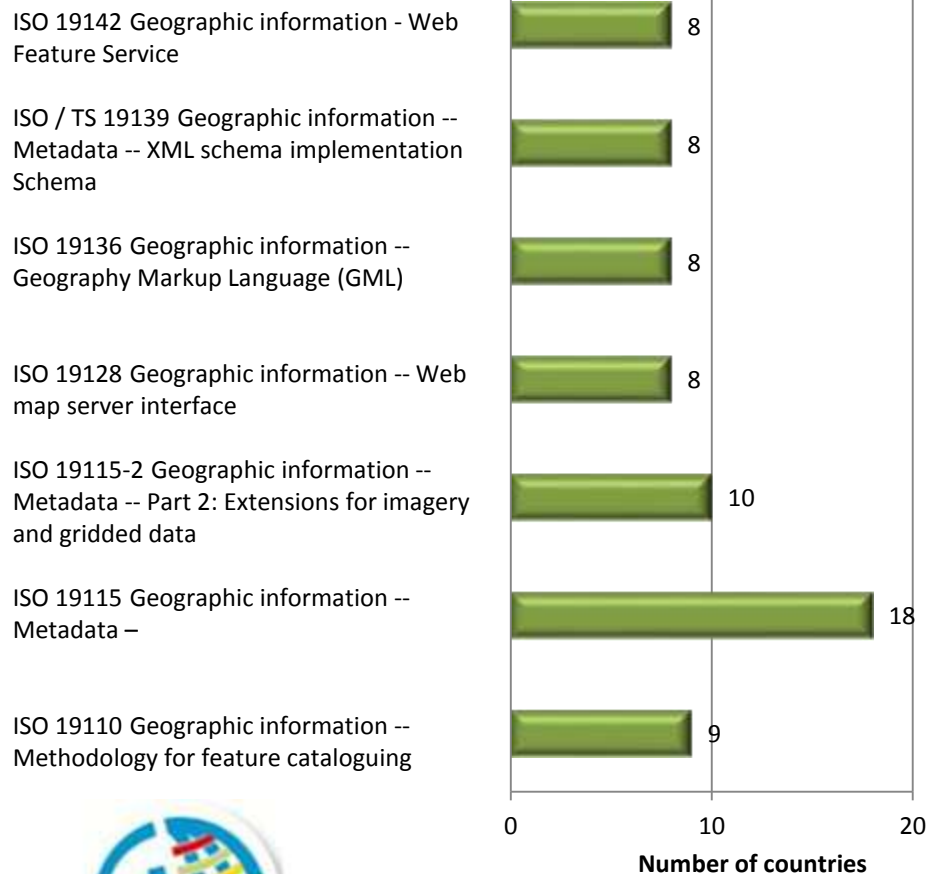
As producers most member states responded that the priority topic that requires to be normed is Geodesy.



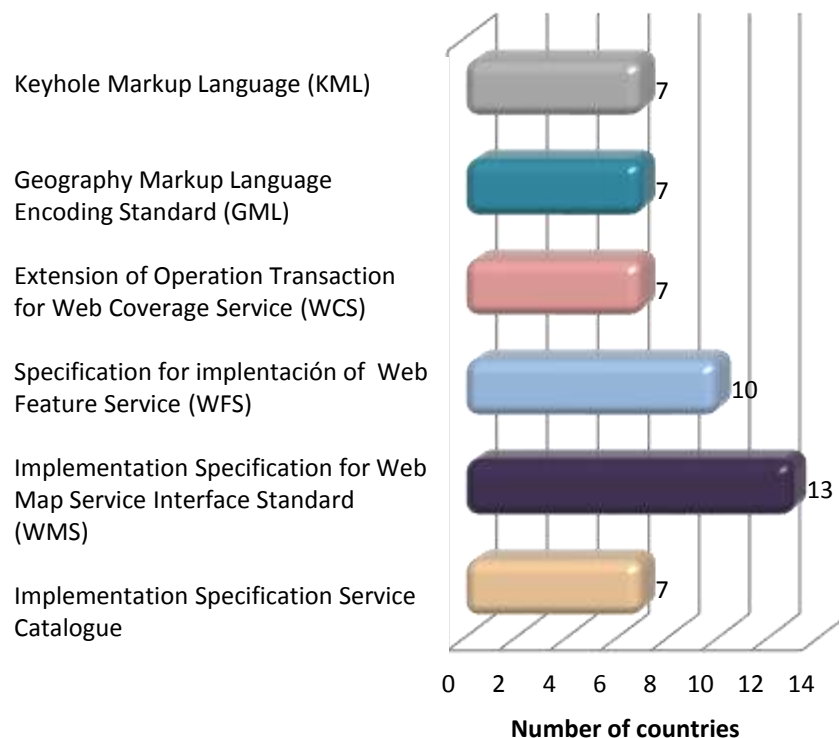
Most widely used International Standards

The international standards most used by the countries in the region are ISO 19115 Geographic Information - Metadata Specification and Implementation Publishing Services (WMS).

ISO STANDARDS



OGC STANDARDS





V. Next Actions

Next Actions

Follow up Programme of work (2014-2016)



- Disseminate to members of the UN GGIM: Americas new version of the Multilingual Glossary of Terms ISO / TC 211
- Collect and integrate experiences and best practices of member states
- Store in Standards Bank the normative technical documents, experiences and best practices
- Development of diagnostic report of the state of art in the region of the Americas
- Define the applicable standards framework in the region, methodologies and guidelines for the sharing and integration of geospatial information
- Encourage among the member countries, the use of standards for interoperability and use and timely exchange GI





VI. Conclusions

Conclusions



- It is essential to encourage the continued active participation of members of the UN-GGIM: Americas for the progress of activities related to standards and technical specifications
- It is necessary the harmonization of core standards set by the UN-GGIM: Americas with the standards and specifications proposed by international and regional organizations related to geospatial information
- The priority is to contribute to the implementation of these standards through the dissemination, exchange of best practices and training, taking like reference the diagnostics in this matter



**Thank you
for your attention!**

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