PC-IDEA Perspectives on SDI Policy and Standards

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President of PC-IDEA
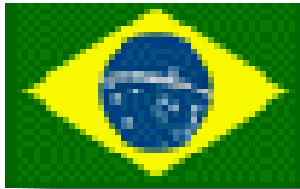
OGC Korea Interoperability Day
Seoul, October 27, 2011

Permanent Committee for Geospatial Data Infrastructure of the Americas – PC-IDEA

Established on February 29, 2000, based on a recommendation of the 6th United Nations Cartographic Conference for the Americas – UNRCC-A (1997)

2009 – 2013

Presidency and Executive-Secretariat

PC-IDEA Member countries

Argentina	Belize	Bolivia	Brasil
Canada	Chile	Colombia	Costa Rica
Cuba	Dominican Republic	Ecuador	El Salvador
Guatemala	Guyana	Honduras	Jamaica
Mexico	Nicaragua	Panama	Paraguay
Peru	United States	Uruguay	Venezuela

PC-IDEA Membership per region

Region	Number of countries *	Number fo PC-IDEA Member countries	%
North America	3	3	100
Central America	7	7	100
South America	12	11	92
Caribbean	13	3	23

* Source: ECLAC

PC-IDEA Working Group on Planning (GTplan)

- Established during the 5th Executive Board meeting held in May 2010 in New York

- Composed by 7 countries representatives: Brazil, Canada, Chile, Colombia, Cuba, Guatemala and Mexico, under the coordination of Chile with the collaboration of Canada

- Working on the implementation plan of seven resolutions issued by the 9th UNRCC-A, held in August 2009 in New York

- 3 meetings held so far:

  - December 2010, in Rio de Janeiro
  - May 2011, in New York
  - August 2011, in Rio de Janeiro

PC-IDEA Working Group on Planning (GTplan)

Working plan covering 7 themes, each one under the responsibility of a country representative

1. Institutional capacity building (Colombia)

2. **Standards and technical specifications (Mexico)**

3. Best practices and guidelines for the development of SDI (Canada)

4. Innovations in National Mapping Organizations (Brazil)

5. Gather knowledge on topics relevant to the SDI for the region (observatory on SDI) (Guatemala)

6. Assess the status of SDI development in the Americas (Cuba)

7. Technological means for discussions related to SDI (Chile)

Source: O Estadão Newspaper

GTplan Standards and Technical Specifications Subgroup (NET)

Goal

To carry out activities towards establishing a set of standards and technical specifications that are applicable to the region, complementing the national specifications
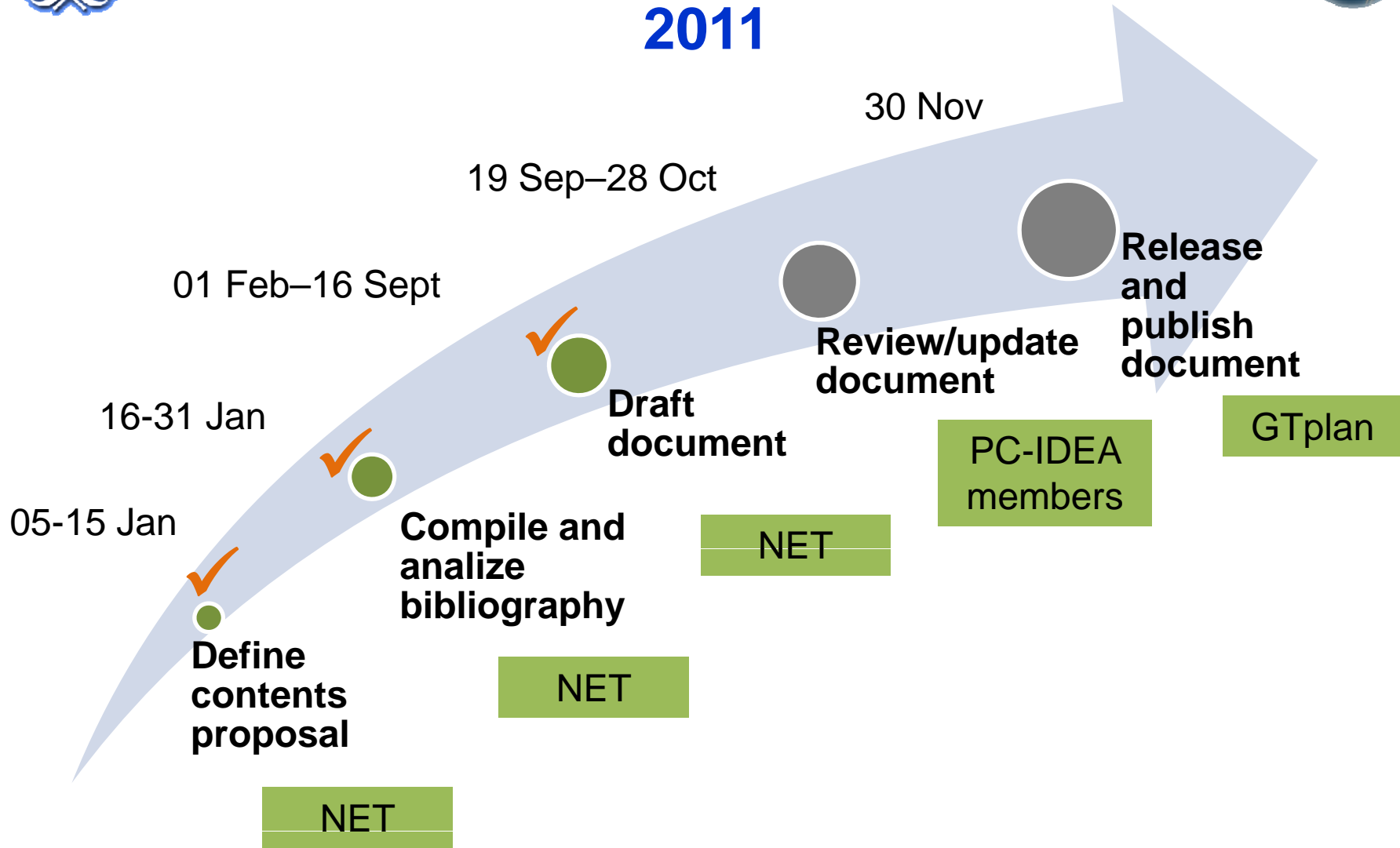
2011-2012 NET Activities

- Preparation of a vision for integrating geospatial information in the region, based on the use of standards and specifications

- Diagnosis of the state-of-the-art of standards and specifications in the region, as well as of the requirements for transnational profiles

- Preparation of a proposal of core standards and specifications for the region

- Coordination of the participation in organizations and regional initiatives on standardization

- Development of manuals to support the daily use of standards and specifications in information management

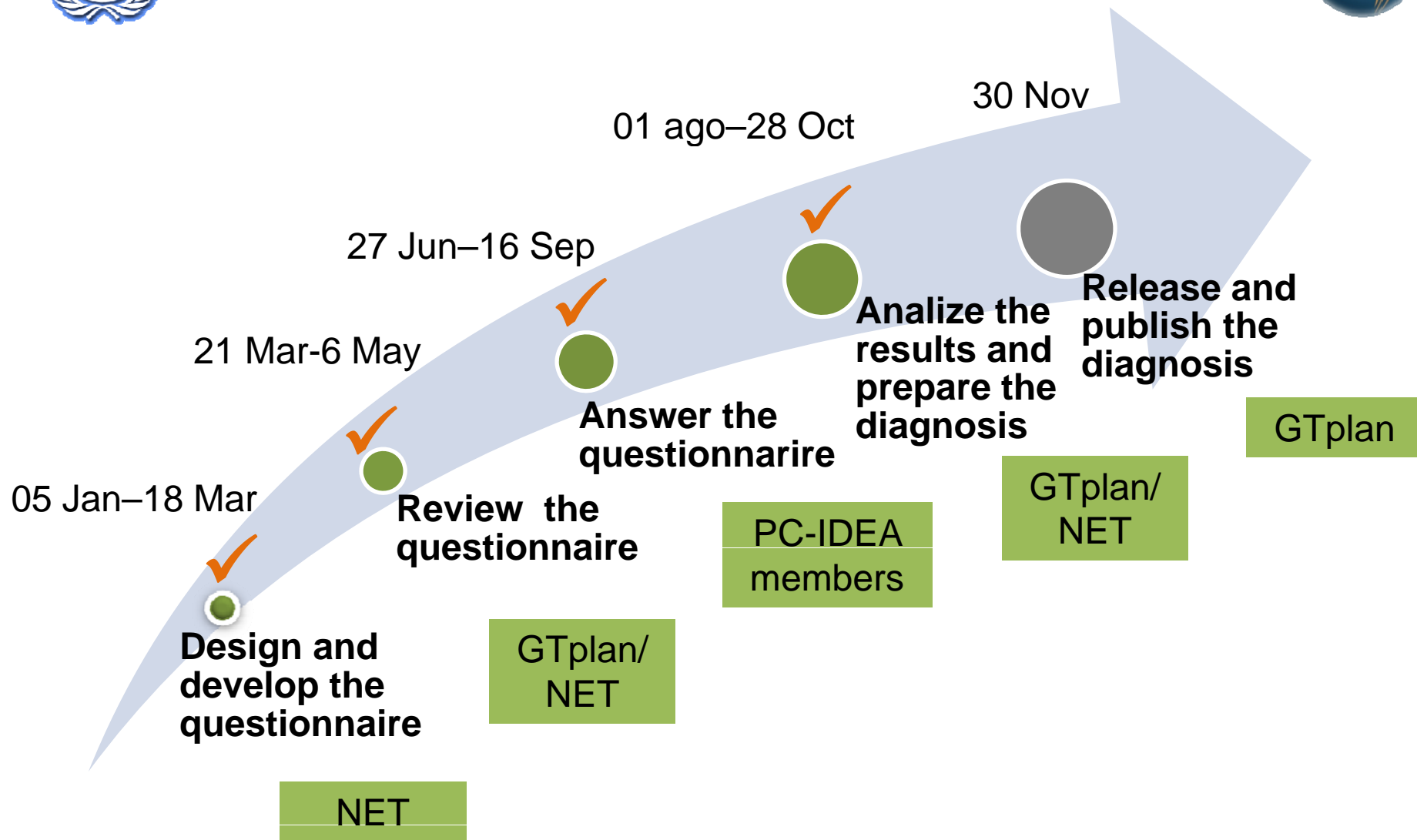- NET Subgroup webpage implementation

Vision for integrating geospatial information in the region (Activities) 2011

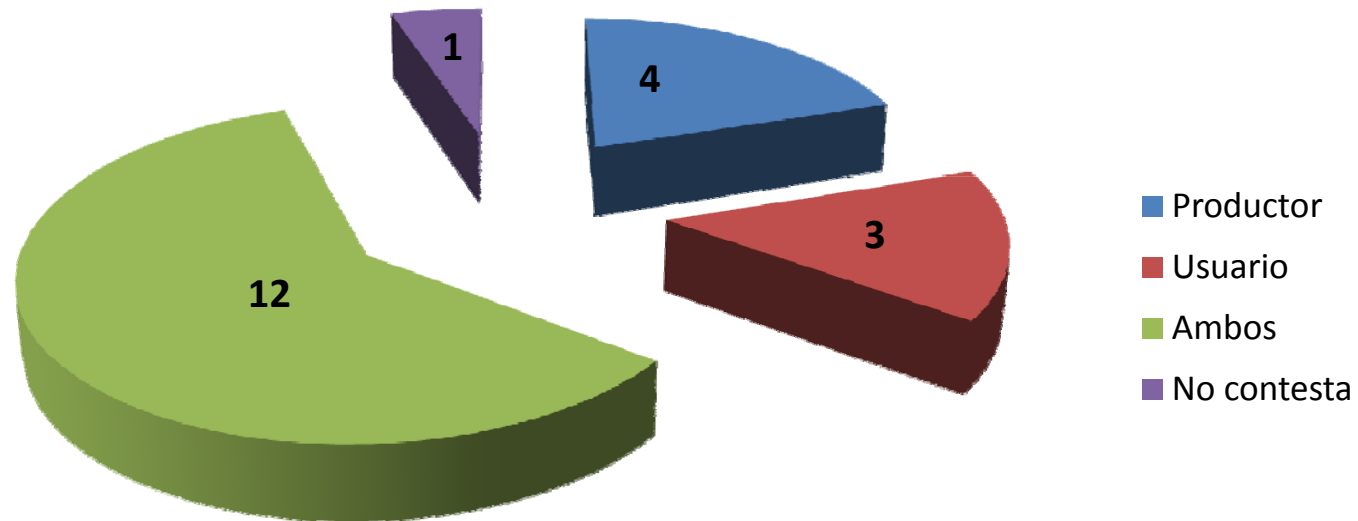# Diagnosis of the state-of-the-art of standards and specifications in the region - 2011

30 Nov

01 ago–28 Oct

27 Jun–16 Sep

21 Mar-6 May

05 Jan–18 Mar

Design and develop the questionnaire

Review the questionnaire

Answer the questionnarire

Analize the results and prepare the diagnosis

Release and publish the diagnosis

NET

GTplan/ NET

PC-IDEA members

GTplan/ NET

GTplan

Some questionnaire results
(20 countries out of 24 replied)

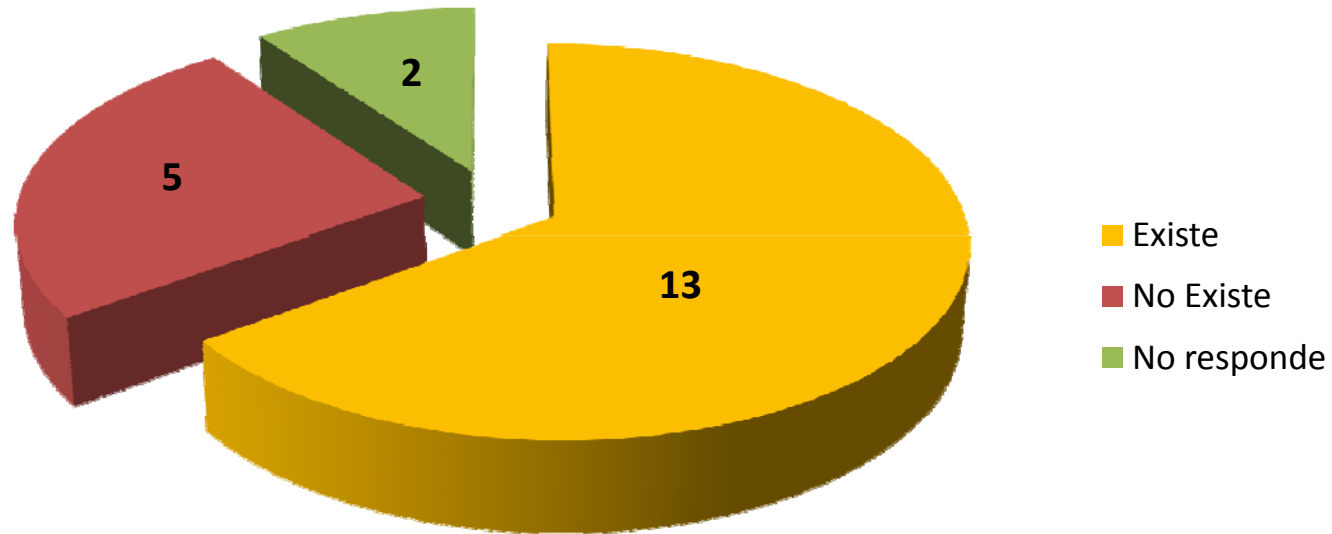**Standards and specifications producer or user?**

- Productor
- Usuario
- Ambos
- No contesta

Some questionnaire results

Is there an official national entity responsible for producing standards and specifications?

Legend:
- Existe
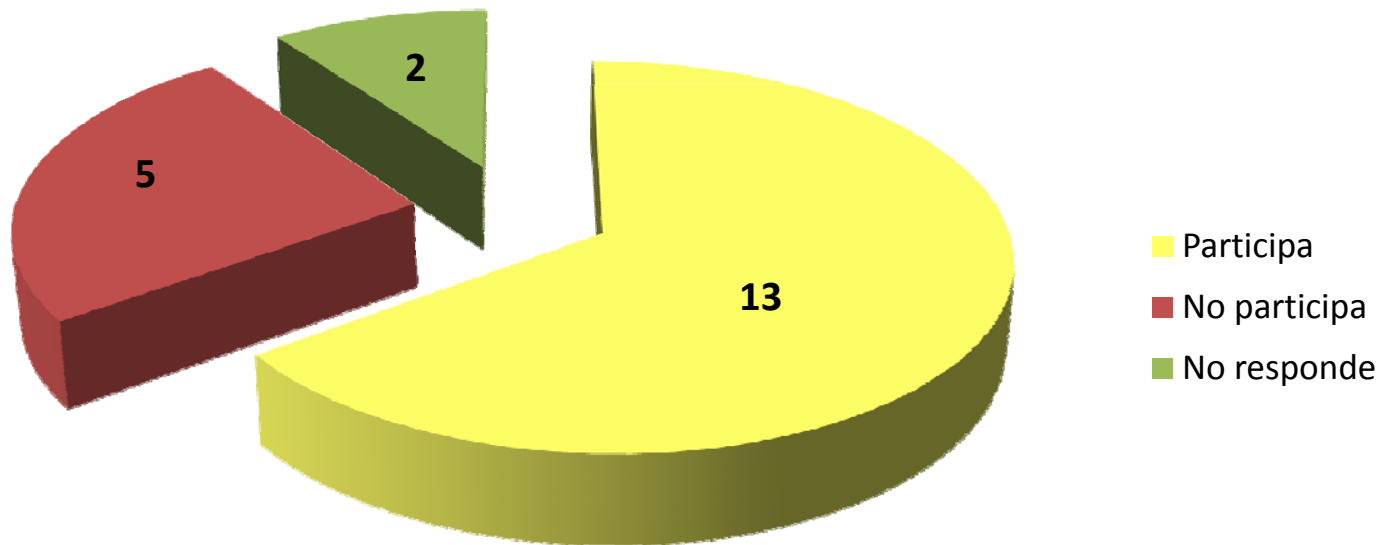- No Existe
- No responde

Values: 13, 5, 2

Some questionnaire results

Participation in international or regional standards organization
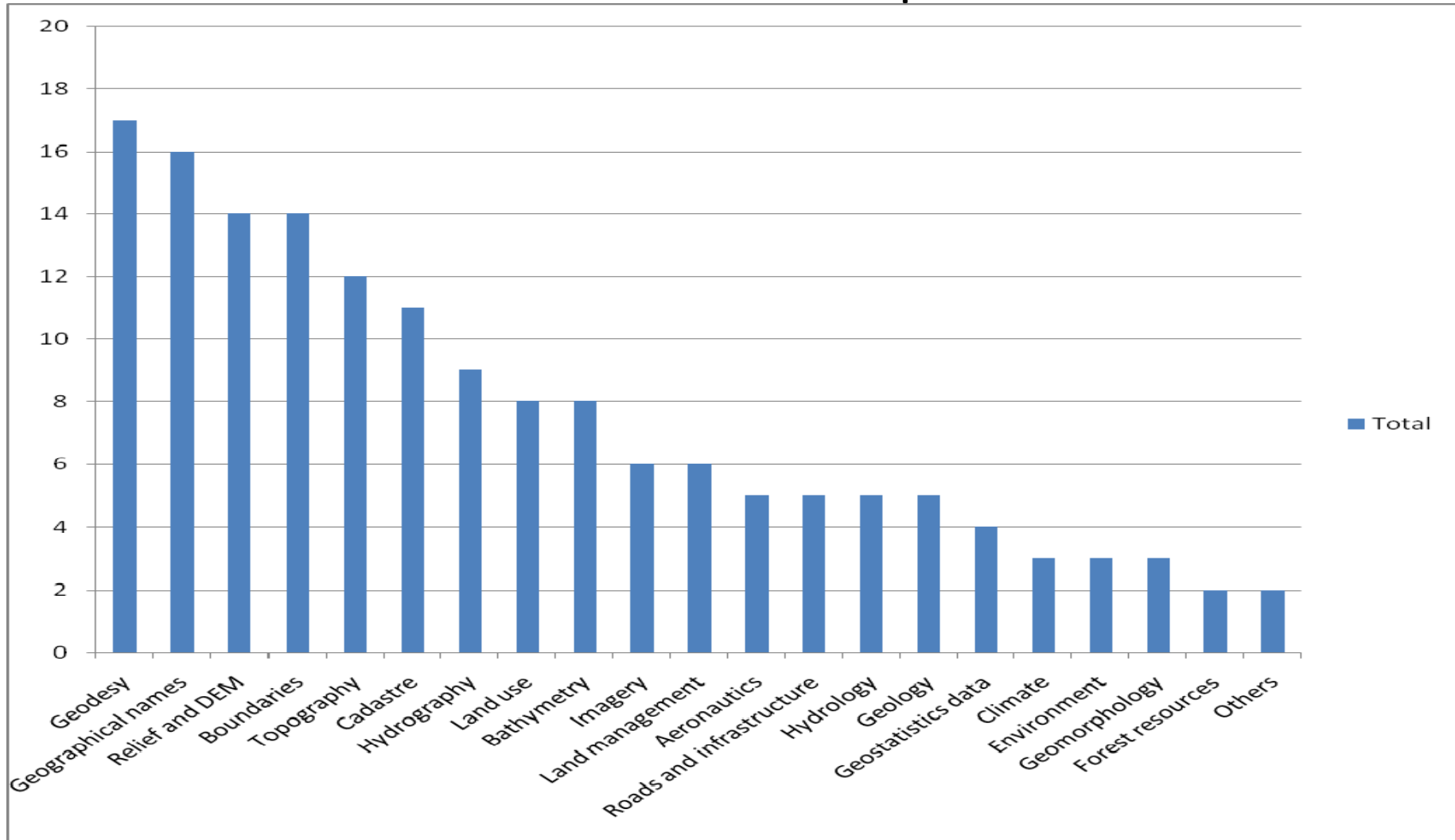

- Participa: 13
- No participa: 5
- No responde: 2

Some questionnaire results

Number of countries that produce geospatial information standards in different topics
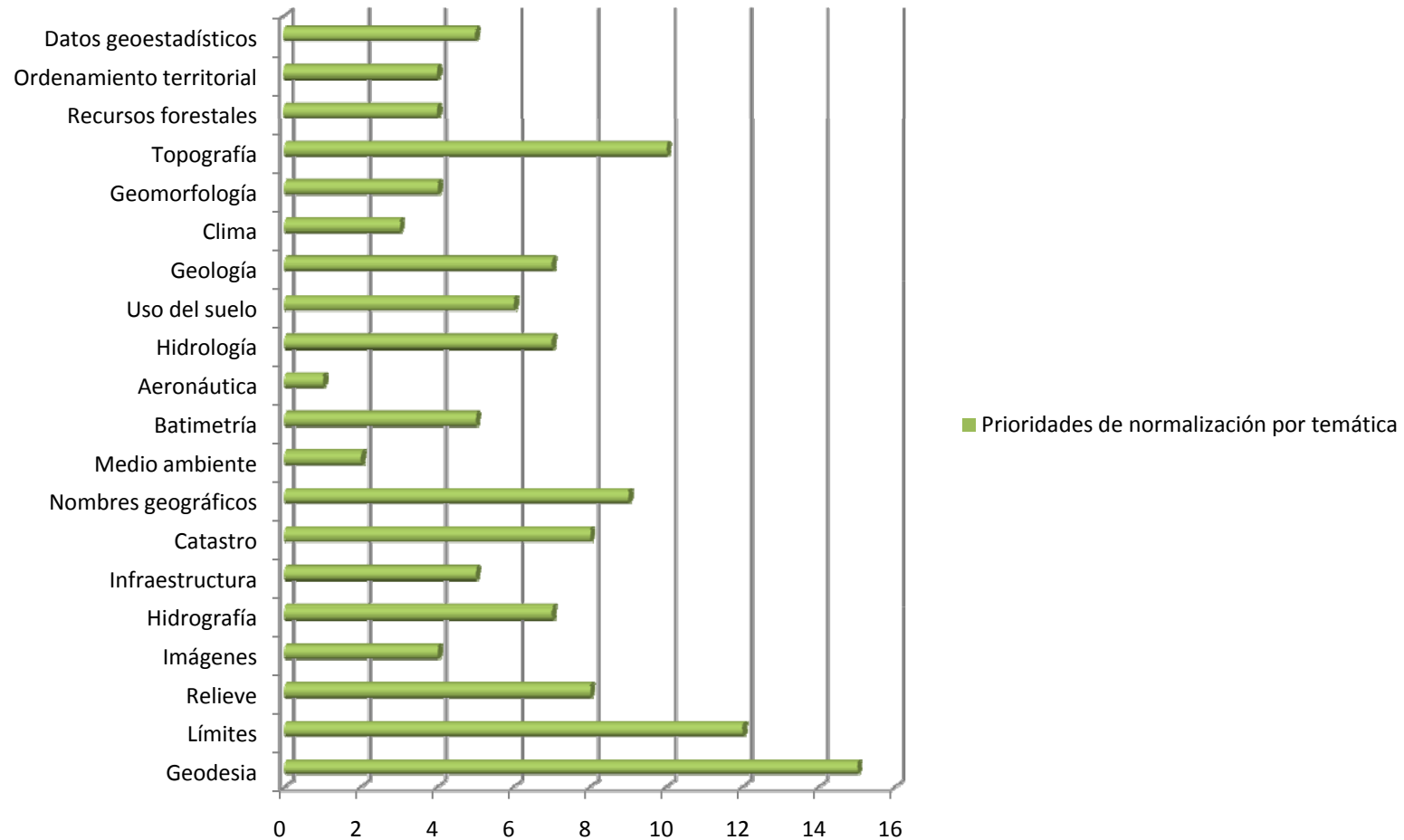
Some questionnaire results

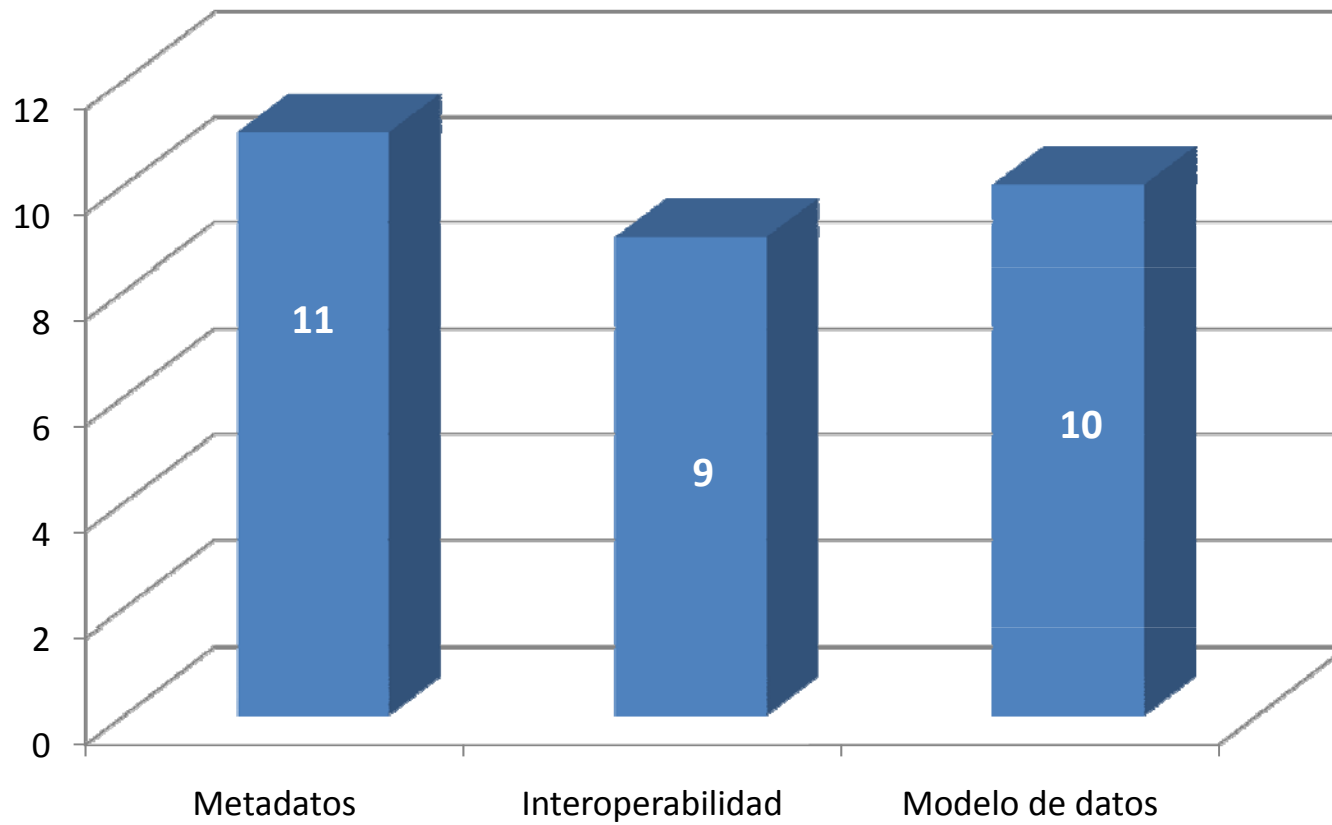## Topics priorities for standards and specifications production

Some questionnaire results

General standards production
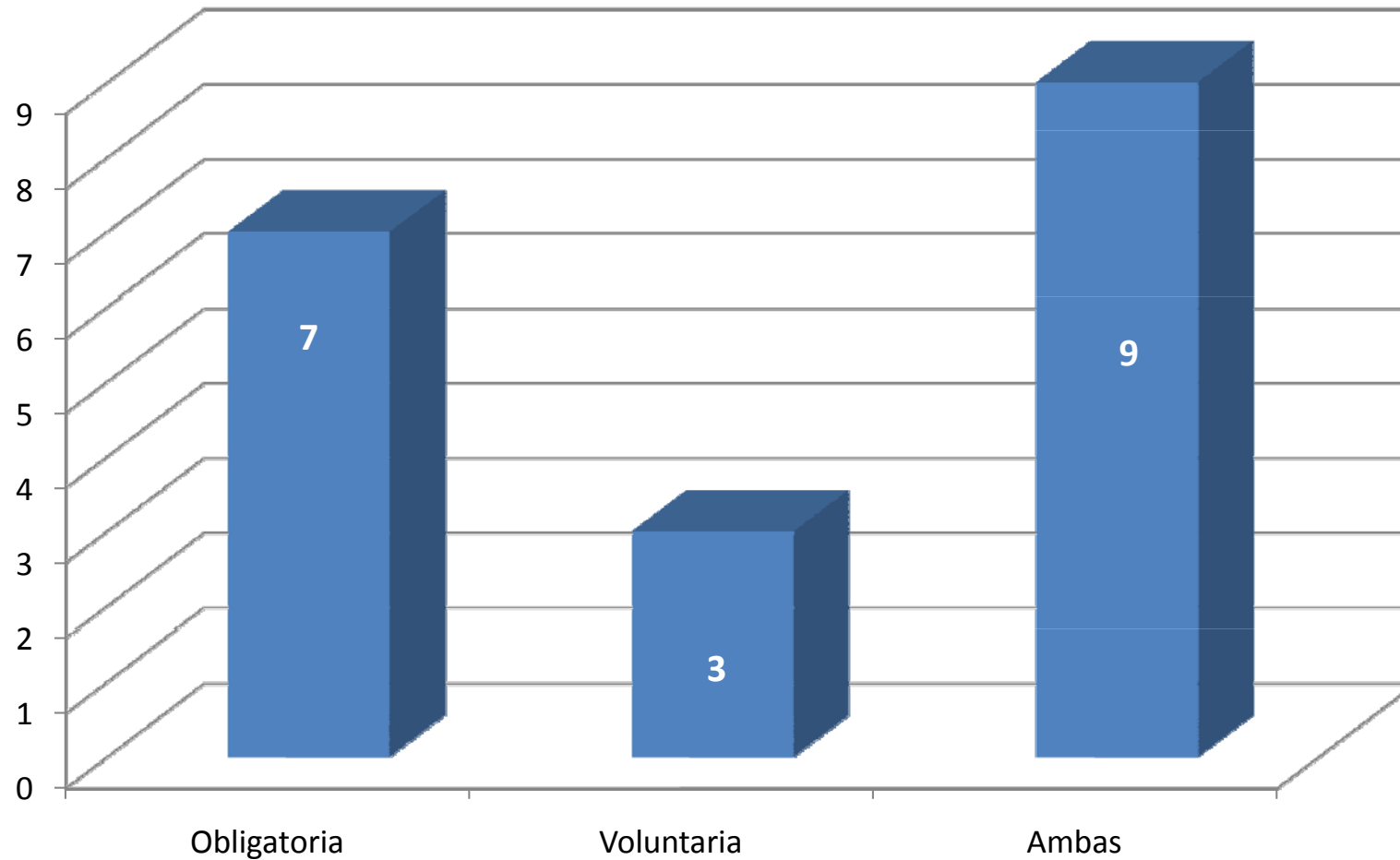## (metadata, interoperability, data model)
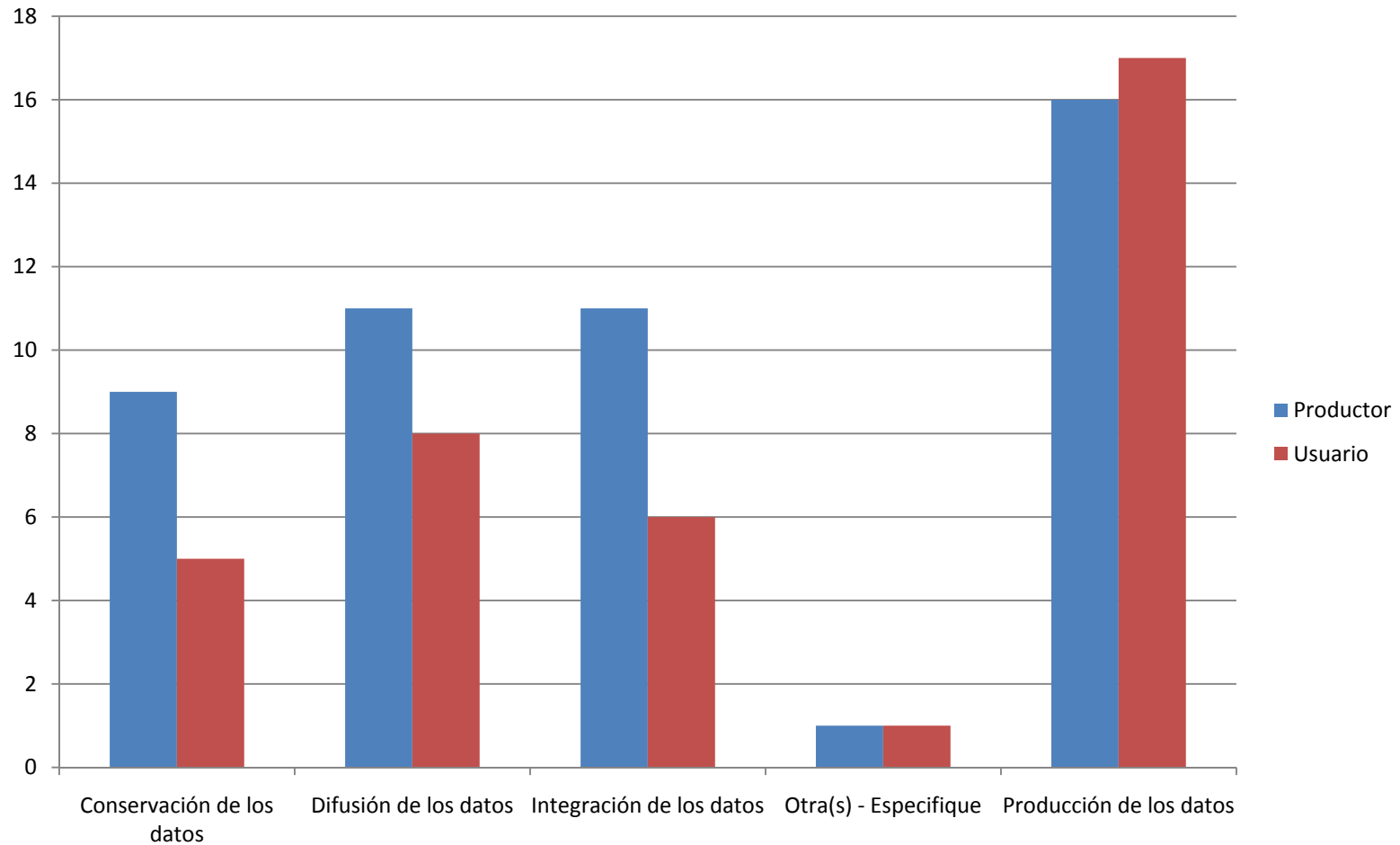
Some questionnaire results

Application type of standards use

Some questionnaire results

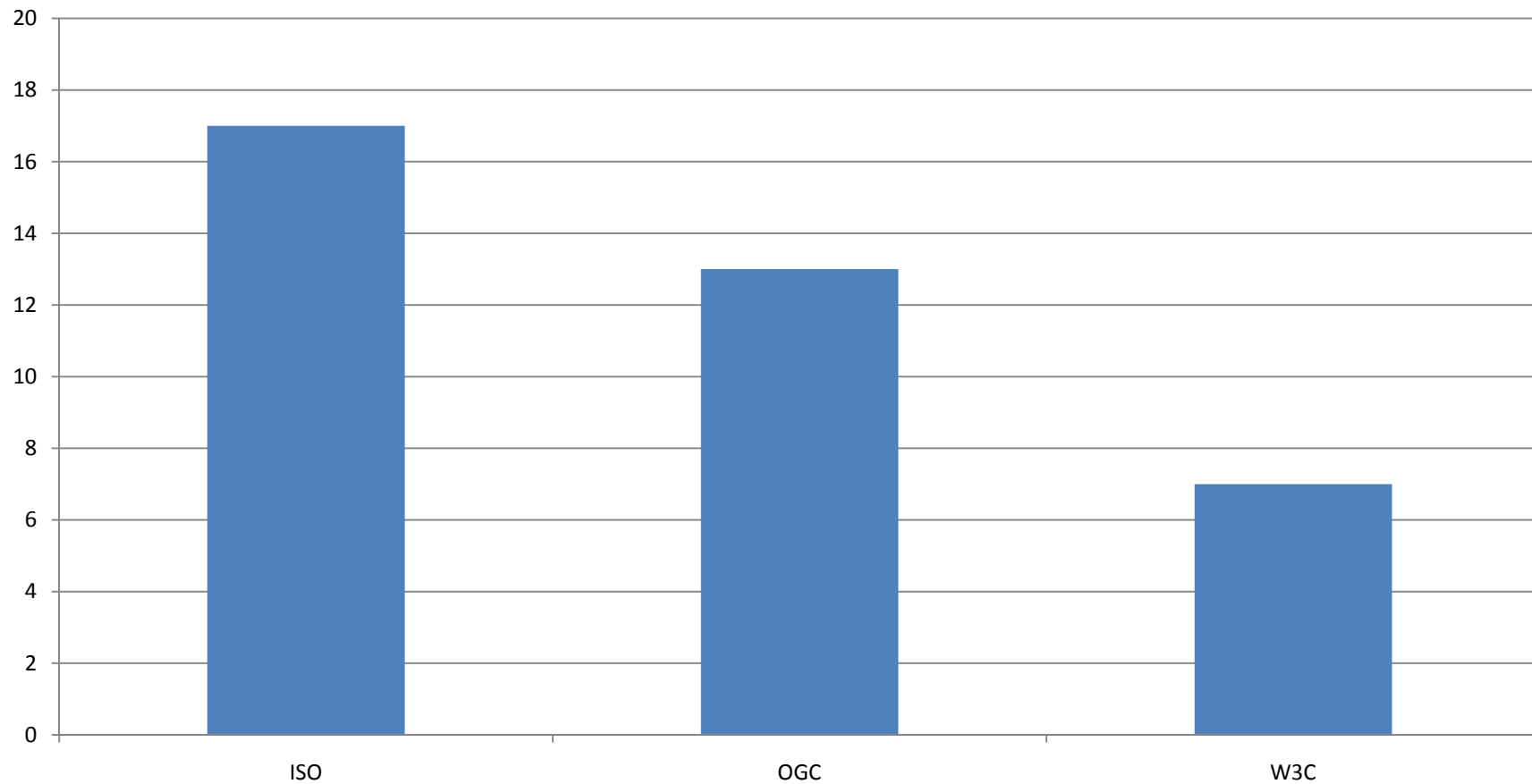## Activities in which producers and users apply standards

Some questionnaire results

Number of NMOs of the Americas which follow
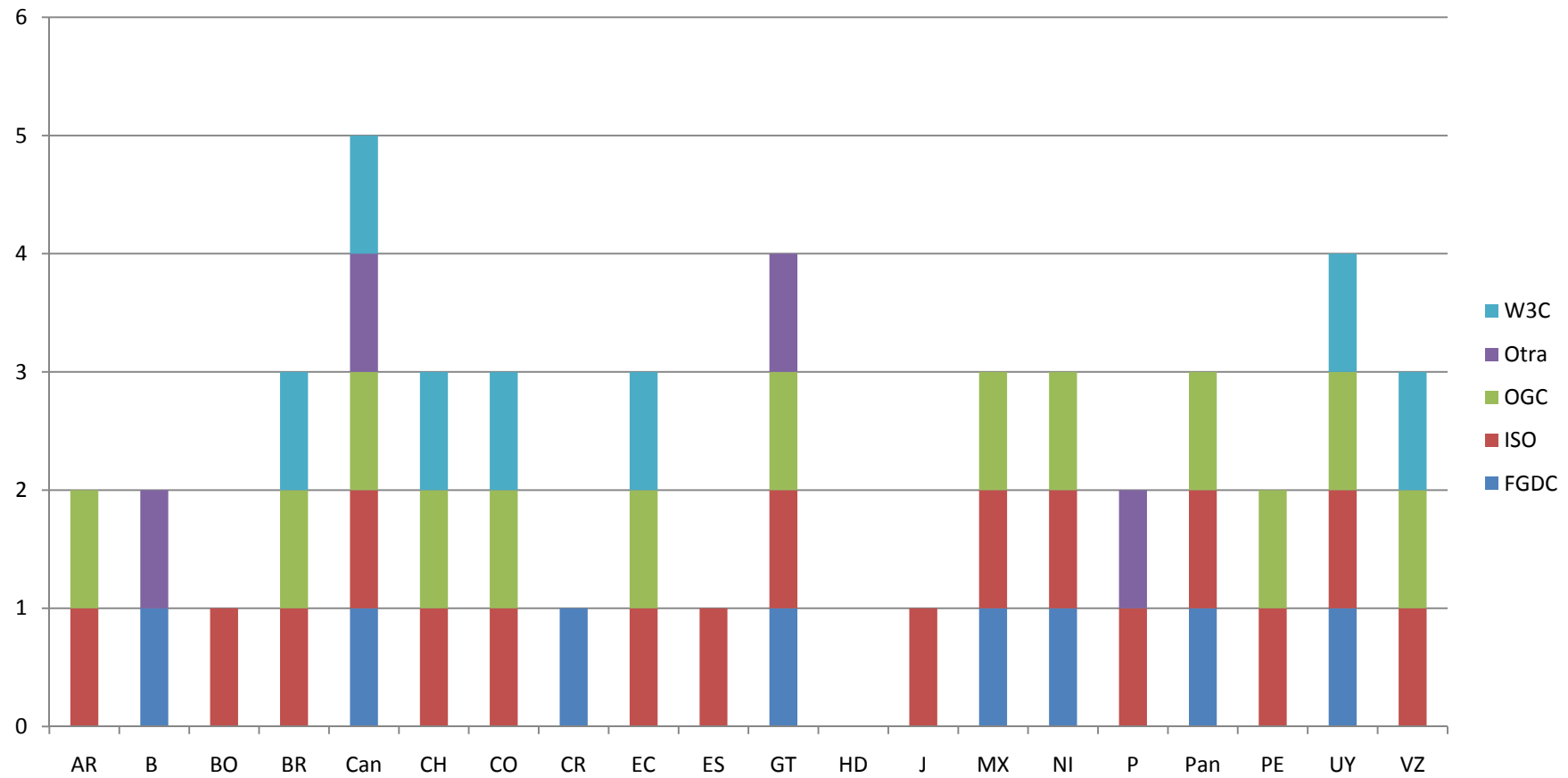## ISO, OGC and W3C standards

Some questionnaire results

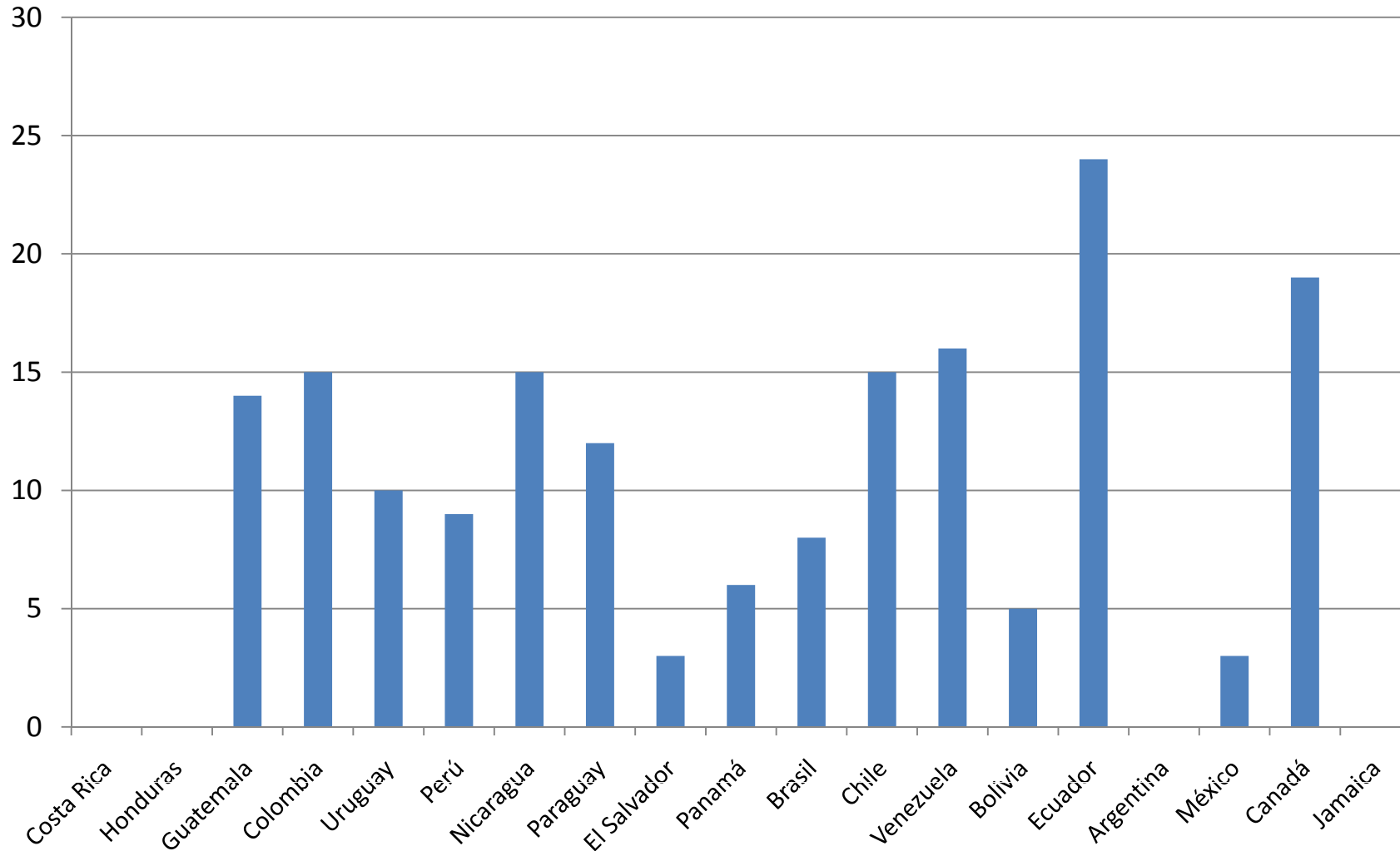## Summary of international standards used in PC-IDEA member countries

Some questionnaire results
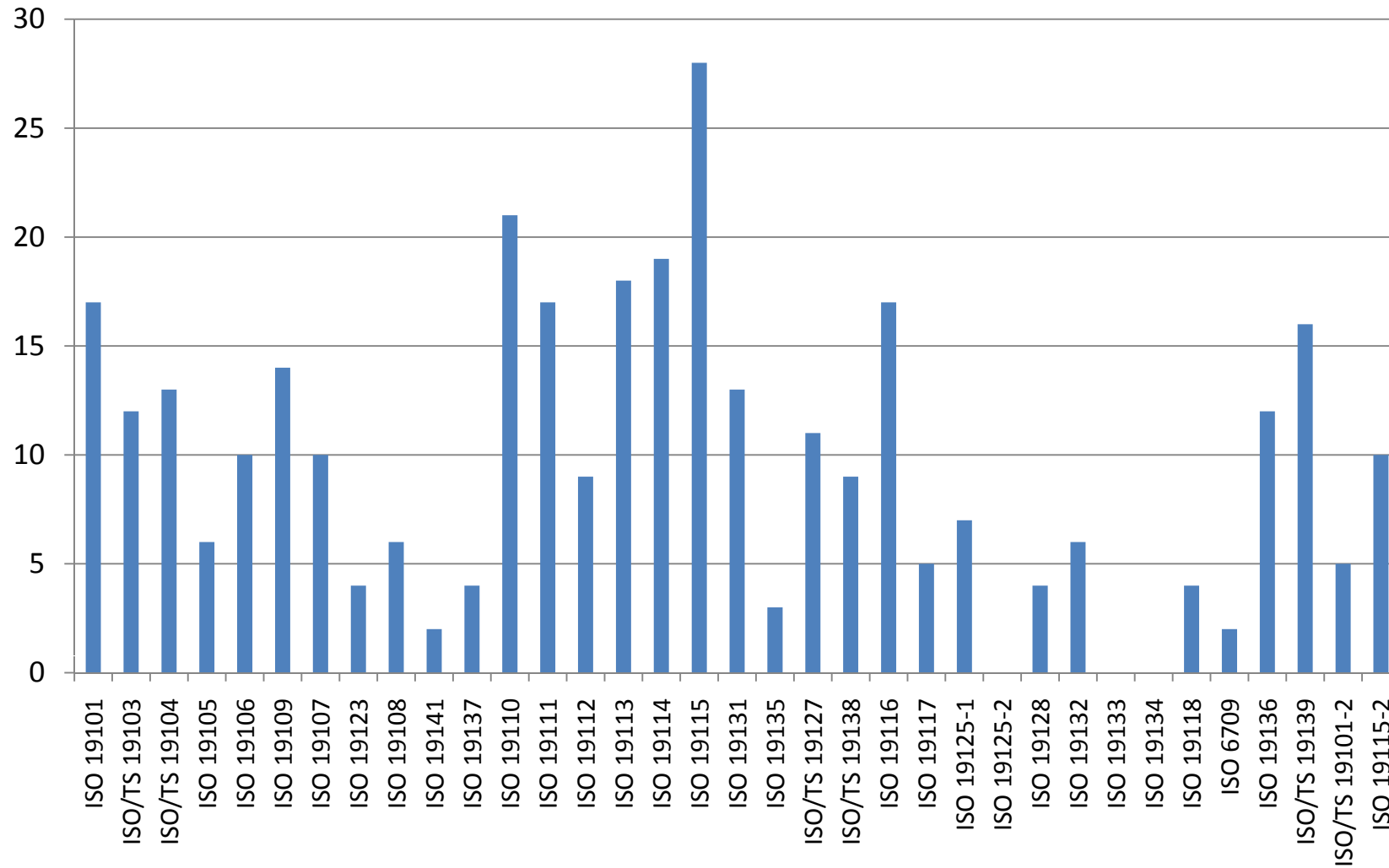
ISO standards used by each country
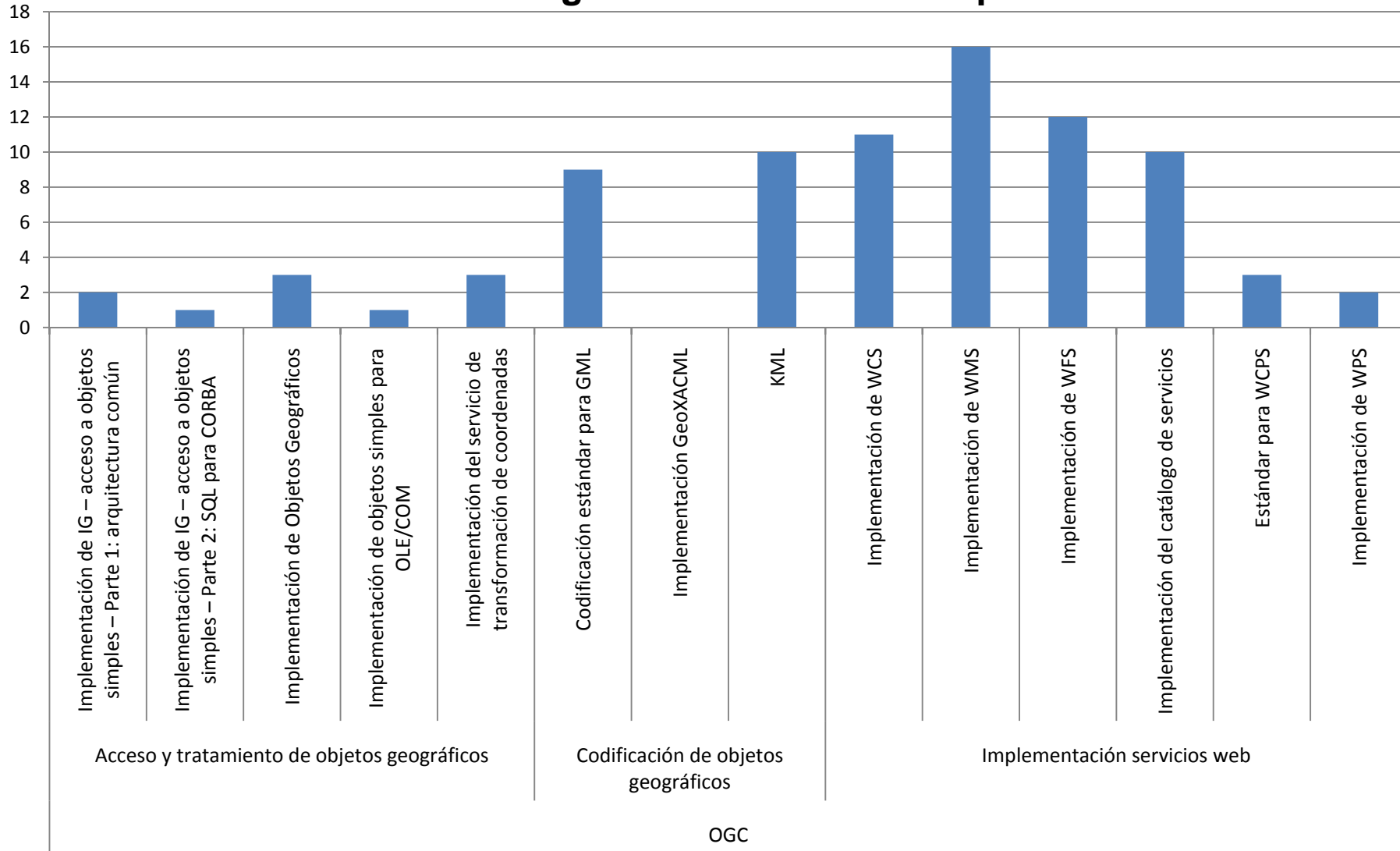
Some questionnaire results

ISO standards used

Some questionnaire results

Number countries using OGC standards and specifications

Chart axis labels (categories):
- Implementación de IG – acceso a objetos simples – Parte 1: arquitectura común
- Implementación de IG – acceso a objetos simples – Parte 2: SQL para CORBA
- Implementación de Objetos Geográficos
- Implementación de objetos simples para OLE/COM
- Implementación del servicio de transformación de coordenadas
- Codificación estándar para GML
- Implementación GeoXACML
- KML
- Implementación de WCS
- Implementación de WMS
- Implementación de WFS
- Implementación del catálogo de servicios
- Estándar para WCPS
- Implementación de WPS

Group labels:
- Acceso y tratamiento de objetos geográficos
- Codificación de objetos geográficos
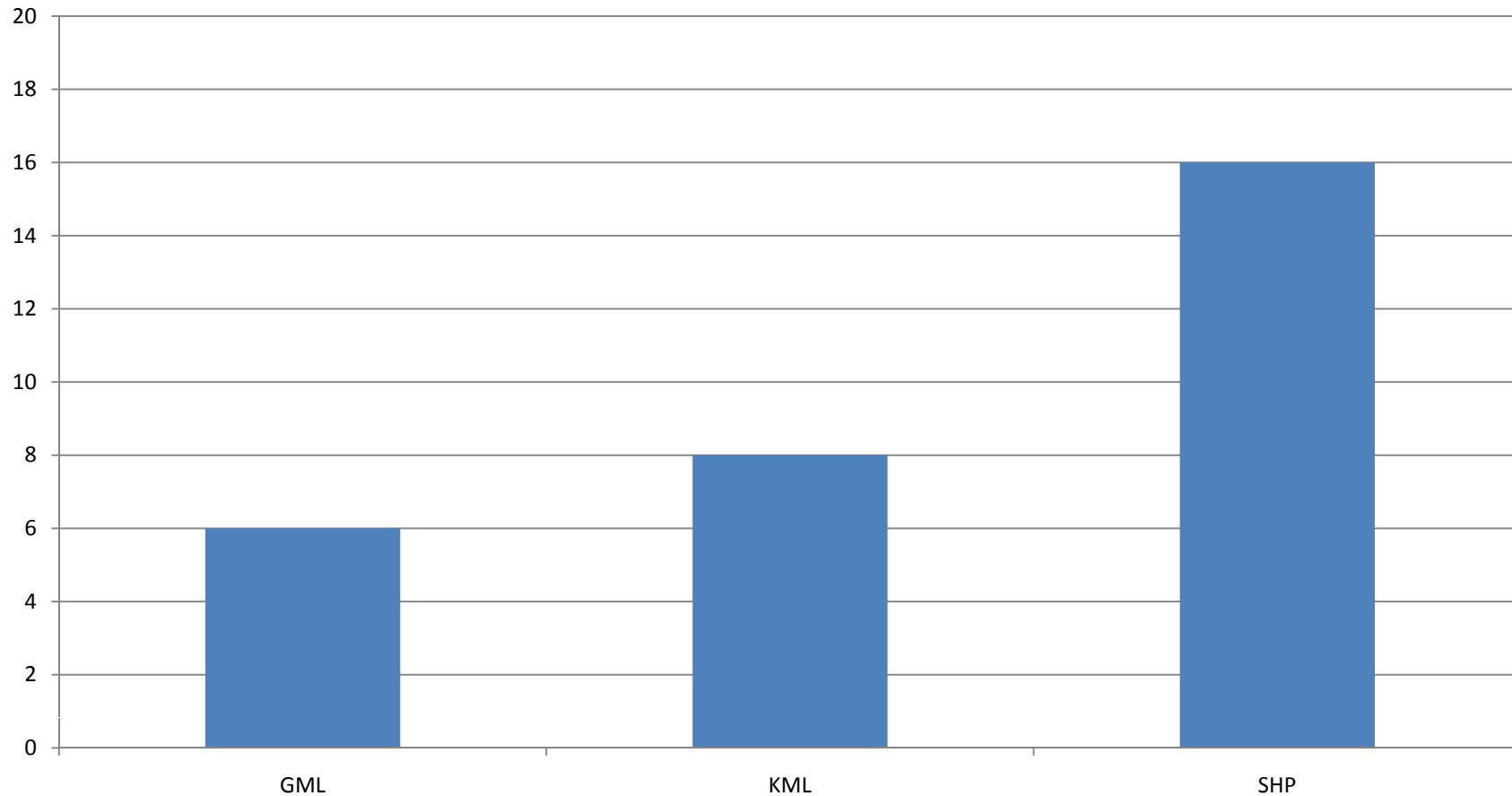- Implementación servicios web

OGC

Some questionnaire results

Number of NMOs of the Americas which adopt the (OGC) GML, KML, and SHP data interchange formats

Final Remarks

The questionnarire results show the state-of-the-art of the standartization in the region, in order to promote the proper preparation of standards and technical specifications which will support geospatial data harmonized generation, contributing to its interchange between PC-IDEA members

Acknowledgements

This presentation was prepared by Luiz Paulo Fortes based on the work of Luis Gerardo Esparza, with the contribution of Álvaro Monett, Estebán Toha, Moema Augusto and Valéria Araújo

We would also like to thank GTplan for preparing the questionnaire, the PC-IDEA Executive-Secretary for applying it and the 20 PC-IDEA member countries which have taken the time and effort to answer it, providing a very rich set of information to support the coming PC-IDEA activities

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