

# Policies towards SDI development and implementation in the Americas



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**GEOSPATIAL  
WORLD  
FORUM** 

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# Summary

- ✓ About CP-IDEA
- ✓ The importance of GI Policy for CP-IDEA
- ✓ UN Resolutions and Working Plan for 2009 – 2013 Term
- ✓ Questionnaires
- ✓ Final Products
- ✓ Characteristics and Importance of Policies in SDI
- ✓ Best Practices of GI
- ✓ Final Remarks



## Permanent Committee for Geospatial Data Infrastructure of the Americas - CP-IDEA

Created after a recommendation from the 6<sup>th</sup> UN Regional  
Cartographic Conference for the Americas – UNRCC-A  
(1997)

To establish and coordinate policies and technical standards  
for the development of SDI in the Americas

It implements the resolutions of the UNRCC-A



2009 – 2013

Presidency and Executive Secretariat





# Member Countries



Argentina



Belize



Bolivia



Brasil



Canada



Chile



Colombia



Costa Rica



Cuba



Ecuador



El Salvador



United States



Guatemala



Guyana



Honduras



Jamaica



Mexico



Nicaragua



Panama



Paraguay



Perú



Dominican  
Republic



Uruguay



Venezuela



# CP-IDEA - Some Goals

- ✓ Establish and coordinate the policies and standards – Regional SDI Américas
- ✓ Promote in priority aspect the establishment and development - National SDI
- ✓ Foment the exchange of geospacial information – CP-IDEA countries
- ✓ Boost the cooperation, investigation and exchange of geospacial experiences
- ✓ Define the guidelines and strategies to suport our members in the development of the cadastral information





# The importance of GI Policy for CP-IDEA

The policies of Geospatial Information - GI in SDI are important for:

- ✓ Increase the physical access to networks and services
- ✓ Increase the level of availability of public sector information
- ✓ Facilitate reuse of GI
- ✓ Create a market and competitive information industry
- ✓ Provide more efficient services
- ✓ Support public participation in SDI





# UN Resolutions 1 to 4 – Working Plan for 2009 – 2013 Term



Working Group on Planning  
(Gtplan) – 2010  
Coordinated by Chile and  
Canadá

Working Group on Standards and  
Technical Specifications (Gtnet) – 2012  
Coordinated by México





# Working Plan – Working Groups - Themes

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

Institutional capacity  
building (Colombia)

Standards and  
technical specifications  
(Mexico)



Source: O Estadão Newspaper

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

Innovations in  
National Mapping  
Organizations (Brazil)

Knowledge gathering on topics relevant to SDI for the region (observatory on SDI)  
(Guatemala/Chile)

Assessment of the status of SDI development in the Americas (Cuba/Canada)

Technological means for discussions related to SDI (Chile)



# Questionnaires



2011 questionnaire

❖ **2011**

(Spanish, English and Portuguese)  
20 countries

❖ **2013**

21 countries

❖ **Data analysis**

Comparisons (2011 / 2008  
and 2013 / 2011)  
Conclusions

=> 2008 – 17 countries



# CP-IDEA Working Plan 2009 – 2013

## Final Products



**Observatory**

**User's  
Manual**

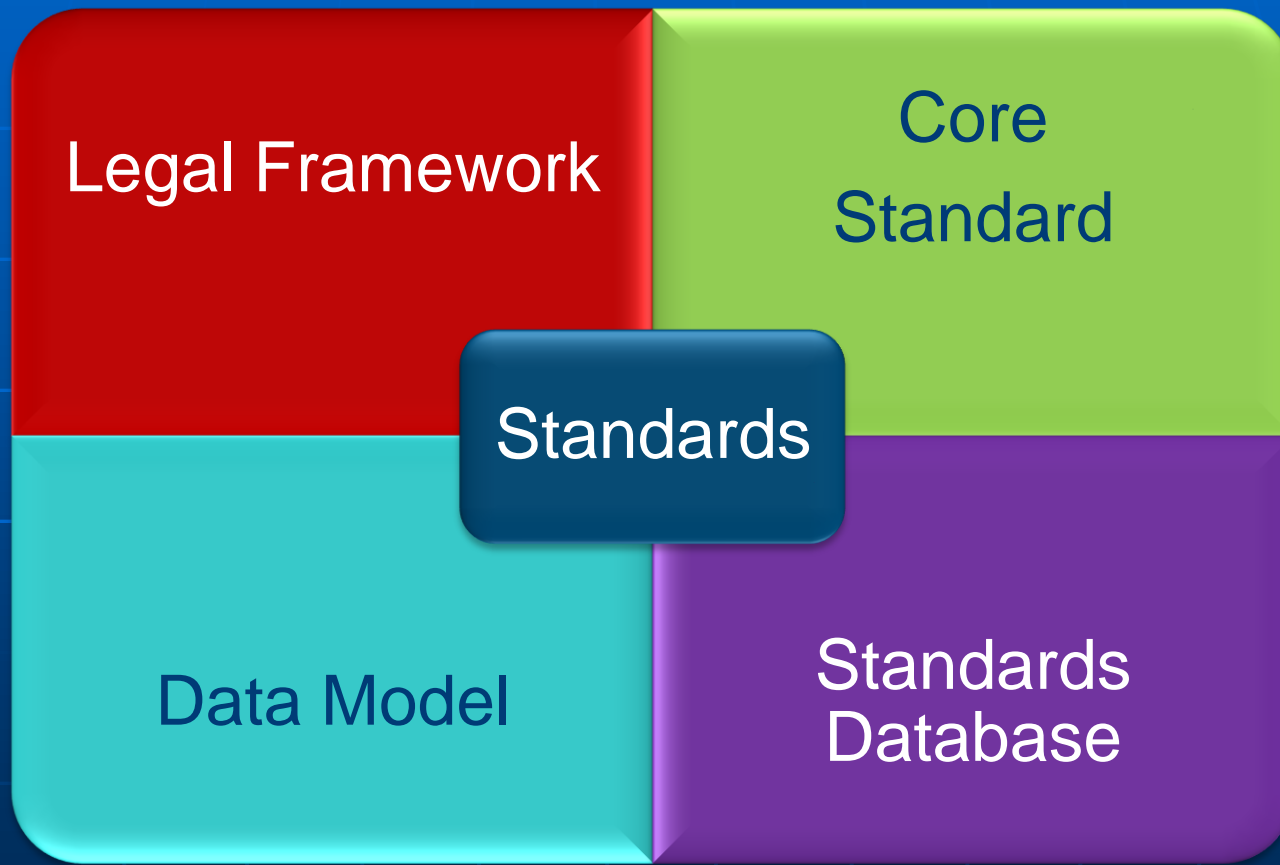
**Strategy for  
Implementation  
(Plan)**

**Plan of  
Courses**



# CP-IDEA Working Plan 2009 – 2013

## Final Products





# PC-IDEA Working Plan 2009 – 2013

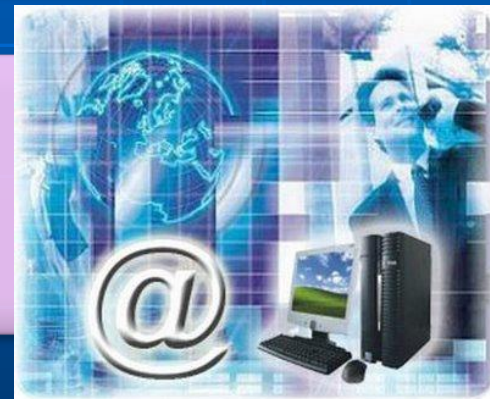
## Final Products

### Innovations

- Institutional Study

### Tecnology

- Website
- User's Manual



### General

- Final report
- Diagnostic 2011
- Diagnostic 2013



# PC-IDEA Working Plan 2009 – 2013

Best Practice

SDI Manual

Best Practice List

Final Products

I will adopt Best Practices  
I will adopt Best Practices  
I will adopt Best Practices  
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# Characteristics of SDI Policies

## SDI policy instruments

**Strategic**

**Operational**

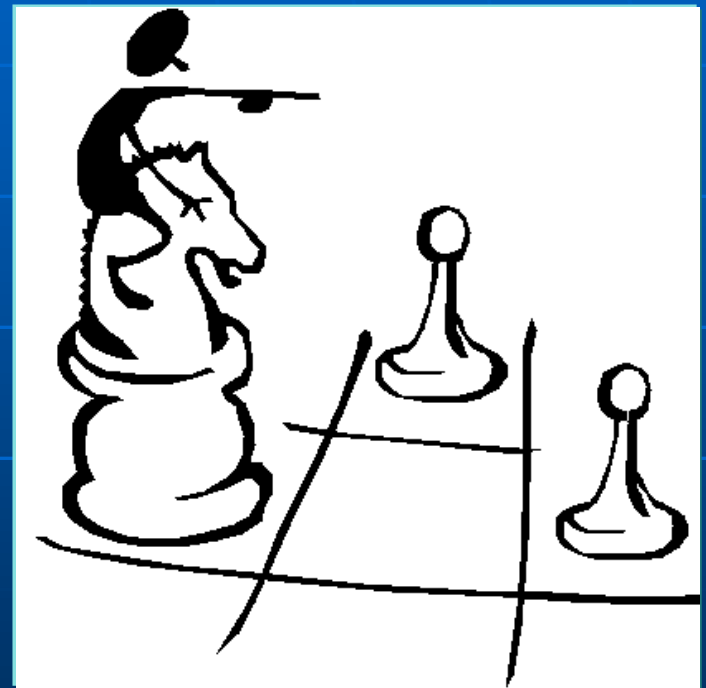
Facilitate the development and use of  
the SDI



# Importance of Policies in SDI

## Strategic

- ✓ Help create a formal structure  
- SDI initiative is developed
- ✓ Help to encourage stakeholder commitment to participate in the development and the use of the infrastructure.





# Importance of Policies in SDI

## Operational

- ✓ Practical tools that help facilitate the access to and use of the SDI
  - ✓ Include a broad range of guidelines, directives, procedures and manuals that apply to the day-to-day business
- 
- ✓ Are essential to solving data sharing barriers and enabling the effective and efficient interoperable exchange of location-based information
  - ✓ Making issues such as data access, quality, ownership and integrity easier to manage.





# Best Practices of GI - Ecuador



The National Policies of Geospatial Information in **Ecuador** are developed in accordance with the principles of relevancy, opportunity, quality, publicity and accessibility, transparency, interoperability, interdependency and decentralization (Consejo Nacional de Geoinformatica - Registro Oficial-Ecuador, 2010).

Their strategic guidelines focus on the following:

- *Generation and updating of geoinformation*
- *Use of geoinformation*
- *Diffusion of geoinformation*
- *Delivery, exchange and commercialization of spatial information*





# Best Practices of GI - Colômbia



National Council of Economic and Social Policy of the Republic of Colombia (CONPES)

This policy establishes the mandatory use among state entities of the official GI, produced by responsible institutions according to their functional missions

The National GI Policy of Colombia embraces the following issues:

- Use of the official core GI
- Coordination of GI generation
- Production and custodianship of GI
- GI standardization and documentation
- Consolidation of the National Image Bank
- Use of mechanisms designed for GI access
- Promotion of effective use of resources for GI production
- Ownership of GI property
- Guarantee of intellectual property, security and quality of GI
- Harmonization of SDIs at all levels
- Promotion of a culture for GI use



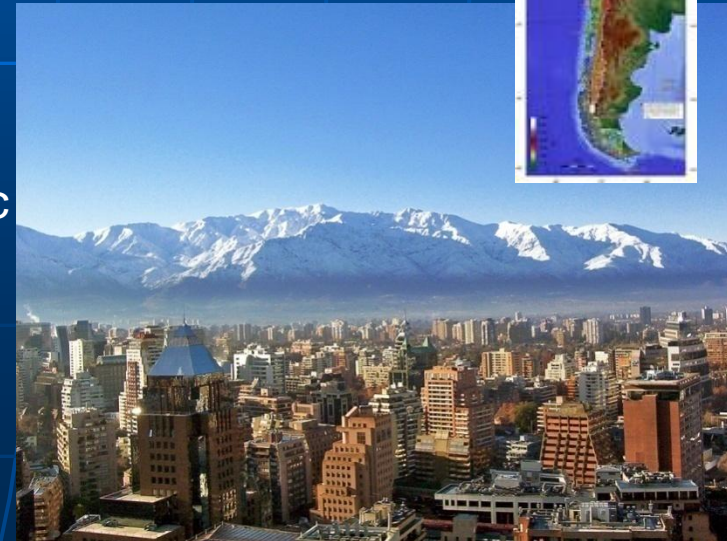


# Best Practices of GI - Chile

According to *Article 4 of the Supreme Decree No. 28* issued in **Chile** in 2006 (Ministerio de Bienes Chile, 2006), the SNIT is responsible for advising the Territorial Information Policy

The following policy guidelines are used:

- Permanent communication on the new territorial information with public characteristics produced and managed by public providers;
- Publication of the characteristics (metadata) of the territorial information produced and managed by public institutions;
- Compliance with the standards established by the SNIT, in coordination with the Chilean Space Agency and other pertinent Chilean standardization bodies;
- Information exchange free of charge among public institutions (excluding public institutions approved for selling) when this information is built through fiscal budgets
- Guarantee of the knowledge by citizens about the available public territorial information and the conditions of its access.





# Best Practices of GI - Uruguay

Policy terms and conditions for the use of geographical data from the Spatial Data Infrastructure of **Uruguay** (IDE-Uruguay) are defined by the Agency for Electronic Government and Information Society (AGESIC, 2011) regarding the following issues:



- *Information source*
- *Use of data*
- *Quality of information*
- *Treatment of information*
- *Responsibility of user*
- *Updating*
- *Refusal of access*
- *Safeguarding*





# Best Practices of GI - Canadá



In **Canada**, a complete CGDI is designed to include not only strategic policies, but also a comprehensive suite of spatial operational policies, fully supported and available for adoption and implementation by CGDI's national stakeholders.



The topics involved with these operational resources include the following:

- Liability
- Data Quality
- Privacy
- Confidentiality, Sensitive Information and Security
- Intellectual Property and Licensing
- Archiving and Preservation
- Data Sharing and Integration
- Cloud Computing
- Volunteered Geographic Information (VGI)





# Best Practice of GI - Brasil



Decree 6.666/2008 – creates the Brazilian SDI (INDE) to promote appropriate organization in the generation, storage, access, sharing, dissemination and use of geospatial data



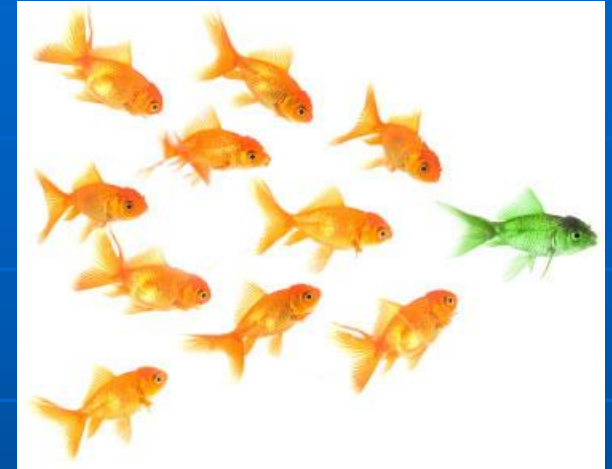
- ✓ The sharing and dissemination of geospatial data and metadata is mandatory for all agencies and entities of the federal executive and optional for the agencies and entities of the states, districts and municipalities
- ✓ In production, direct or indirect, in the acquisition of geospatial data, institutions must comply with the standards set for the NSDI and the rules regarding the National Cartography
- ✓ Starting execution of new projects and GI, should consult the CONCAR for the production of geospatial data in order to eliminate duplication of effort and resources





# Final Remarks

- ✓ The current global scenario brings to the geospatial community a unique opportunity to work towards a spatially enable society
- ✓ The UN-GGIM initiative paves the way for the establishment of the necessary global political and institutional frameworks



- ✓ Regional initiatives, such as CP-IDEA in the Americas, play an important role in maximizing at regional level the economic, social and environmental benefits derived from the use of Geospatial Information through the establishment of SDI

# Final Message

The progress in the availability and accessibility of geospatial information in the world depends on the cooperation among countries

The promotion of international cooperation in capacity building, institutional strengthening and knowledge transfer between countries is a central development challenge

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KSB