
- To maximize the economic, social and environmental benefits derived from the use of Geospatial Information

- Accomplished through knowledge and exchange of experiences and technologies between countries, based on common standards which would allow the establishment of the Geospatial Data Infrastructure of the Americas

- It implements the regional mechanism associated to the United Nations Global Geospatial Information Management (UN-GGIM) initiative
PC-IDEA Objectives

- Establish and coordinate policies and technical standards for the development of geospatial data infrastructure for the Americas
- Promote the establishment and development of NSDI in each PC-IDEA member country
- Promote the interoperability of information and systems among member countries, through the use of standards
- Encourage the sharing of geospatial information among all member countries in the Americas, while respecting their autonomy and their national laws and policies
- Stimulate cooperation, research, complementation and sharing of experience in areas of knowledge related to geospatial data
- Advise in the drafting of guidelines and strategies to support PC-IDEA member countries in developing geospatial information, considering the individual needs of each country
- Set priorities for information sharing, considering the regulatory framework of each member country
- Promote SDI training activities and technology transfer
<table>
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<tr>
<th>Member Countries</th>
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<tr>
<td>Argentina</td>
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<td>Belize</td>
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<td>Bolivia</td>
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<td>United States</td>
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<td>North America</td>
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<td>Central America</td>
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<td>South America</td>
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<td>The Caribbean</td>
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</tbody>
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Source: ECLAC
President
Luiz Paulo Souto Fortes
(Brazil)

Vice President

Executive Secretary
Valéria Araújo (Brazil)

North America
Vocal Member
Ivan DeLoatch
(USA)

Central America Vocal Member
Edwin Guillermo Santos Mansilla
(Guatemala)

Caribbean Vocal Member

South America Vocal Member
Matias Fortuño
(Chile)
Changes in the Executive Board

**Vice-President**
Mr. Mario Reyes – INEGI / Mexico
Mr. Cristian Aqueveque – SNIT / Chile
Mr. Esteban Tohá – SNIT / Chile
Now: Vacant

**Caribbean’s Vocal**
Mr. Eloy Luis Alum Ortiz (Crnl) – ONHG / Cuba
Mr. Cándido Regalado (Crnl) – ONHG / Cuba
Now: Vacant

**Central America Vocal**
Mr. Ronald Estuardo Arango Ordoñez – IGN / Guatemala
Mr. Oscar Leonel Figueroa Cabrera – IGN / Guatemala
**Mr. Edwin Guillermo Santos Mansilla** – IGN / Guatemala

**South America Vocal**
Mr. Cristian Aqueveque – SNIT / Chile
Mr. Esteban Tohá – SNIT / Chile
**Mr. Matías Soto Fortuño** – SNIT / Chile
PC-IDEA Members, Collaborators and UN Staff

People involved (2009-2013)
Principal and Substitute Members: 66
WG on Planning: 27
WG on Standards and Tech. Specifications: 16
UN Staff: 6  TOTAL: 115
New Statute

The document was approved in May 2010, as follows: 17 votes in favor and 1 abstention (6 countries did not submit their votes).

Spanish and English

http://www.cp-idea.org/documentos/Estatuto_CPIDEA_maio2011_final_esp.PDF
1. Establishment of PC-IDEA Working Groups on:
   a) Institutional strengthening, education and training
   b) Technical standards and specifications
   c) Best practices and applications
   d) Innovations for national mapping agency business models
2. Establishment of mechanisms for the construction of SDI in the region
3. Survey on the state of mapping by countries
4. Creation of a forum to exchange and share SDI best practices
5. Organization of an event to discuss disaster and risk management and SDI
6. Funding issues
7. Support of the construction of SDI in developing countries, especially in the Caribbean region
Working Groups 2009 - 2013

Working Group on Planning (GTplan) in May 2010 (Chile and Canada)

- Institutional capacity building: Colombia
- Standards and technical specifications: Mexico
- Gather knowledge related to SDI: Guatemala, Chile
- Best practices and guidelines for the development of SDI: Canada
- Innovations in National Mapping Organizations: Brazil
- Technological means for discussions related to SDI: Chile
- Assessments of SDI development: Cuba, Canada

Working Group on Standards and Technical Specifications (GTnet) in Dec 2012 (Mexico)
A questionnaire with 76 questions was designed by GTplan and applied to PC-IDEA member countries in 2011.

In 2013, a subset of the 2011 questionnaire was applied to PC-IDEA member countries to assess the advances during these 2 years.

The results of both questionnaires fed the subsequent activities towards establishing and implementing PC-IDEA work plan.
Working Group on Standards and Technical Specifications (GTnet)

Coordination: Mexico
Bolivia, Brazil, Canada, Colombia, Honduras
Collaboration of the Open Geospatial Consortium (OGC)

GOAL
To establish a set of standards and technical specifications that apply to the region within a common scenario, considering and respecting the specificities of each country.

ACTIVITIES
• Developing a vision for the integration of geospatial information in the region, through the use of standards
• Establishing the state of the art in the development and use of standards, as well as multinational profiles in the region
• Preparing proposals of core standards for the region
• Coordinating the participation in regional organizations and normalization initiatives
• Developing manuals related to use of the standards for the daily management of information
Seminar “Spatial Data Infrastructures – SDI as a Natural Disaster Risk Management Service”

- August 17, 2012, during the Second Latin-America Geospatial Forum - LAGF 2012, in Rio de Janeiro, Brazil
- PC-IDEA in partnership with Geospatial Media and Communications

To promote the exchange of experiences and concepts in the design, development and advancements of the components of an SDI in natural disaster risks management, emphasizing the use of geospatial information

Attendance: professionals and experts from public, private, academic and non-governmental organizations from the region, involved in issues related to SDI and the management of disaster risks
Seminar “Spatial Data Infrastructures – SDI as a Natural Disaster Risk Management Service”

Themes
1. SDI for risk management of natural disasters
2. Geographic information for the awareness of the risk
3. SDI in defining processes and protocols for the management of natural disaster risks
4. Information technologies for the management of risks: earth observation technologies
5. Geographic Information Systems

Participating Institutions
✓ UFRJ - Brazil
✓ PC-IDEA
✓ INPE – Brasil / International Charter
✓ GeoConnections - Canada
✓ SNIT – Chile
✓ CENAD / Defesa Civil Nacional – Brazil
✓ DigitalGlobe, Brazil
✓ Instituto Geografico Nacional do Panama Tommy Guardia – Panama
Seminar “Spatial Data Infrastructures – SDI as a Natural Disaster Risk Management Service”

Recommendations
1. Countries make data, metadata and information aimed at emergency prevention and response available
2. UN, supported by regional bodies, such as PC-IDEA, PCGIAP, CODIST etc. encourage governments in their various instances to create and maintain their respective national SDI
3. The creation of a working group, under CP-IDEA, aiming at studying the specific use of SDI for managing risks of natural disasters in the Americas
4. The participation of the countries of the Caribbean region in PC-IDEA be encouraged
5. The creation of mechanisms that consider the possibility of assessment and, when appropriate, the incorporation of geospatial information obtained through voluntary contributions
6. All levels of government involved in the control and monitoring of these phenomena assess the possibility of becoming potential sources of funding for pre-disaster phases, i.e., that these instances are able to fund and support SDI
7. That a second edition of the event, preferably within one year, be carried
## Financial Resources

### CYTED Convocation
- "Ibero-American Network to improve and enhance the use of spatial data infrastructures (SDI) in territorial planning"
- Objective: stimulate the creation of a scientific and technological research network associated to PC-IDEA
- Brazil, Chile, Colombia, Cuba, Guatemala and Portugal
- **€ 33,000 per year for a four-year project.** The proposal was presented in April 2010

### World Bank
- "Strengthening of Spatial Data Infrastructures (SDI) of the Americas"
- World Bank (Brazil) in 2010
- Objective: maximize the economic, social and environmental benefits of the use of geospatial information, seeking to promote the SDI construction in countries that have not started this process, as well as strengthening the implementation and sustainability of existing SDI in the countries of the Americas
- **US$ 672,645 for three years**
Financial Resources

Pan American Institute of Geography and History (PAIGH)
✓ Submitted in May 2012 to cover PC-IDEA Working Groups activities taking into account their alignment to the PAIGH 2010-2020 Pan-American Agenda - which seeks to support national initiatives based on international standards and concepts of spatial data infrastructure
✓ USD 8,000 in 2013
✓ Approved at the 44th Meeting of the PAIGH Steering Council, held in Buenos Aires, Argentina, in November 2012
✓ A cooperation mechanism with PC-IDEA through the United Nations (UNSD) has already started to be discussed between the involved entities to support the release of these resources
# Final Products

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<thead>
<tr>
<th>Theme</th>
<th>Product</th>
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<tbody>
<tr>
<td>Capacity Building</td>
<td>Capacity Building Observatory</td>
<td>Website</td>
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<td>User Manual – Capacity Building Observatory</td>
<td>Document</td>
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<td>Implementation Strategy of Capacity Building Plan 2013</td>
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<td>Plan of Courses</td>
<td>Document</td>
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<tr>
<td>Standards and Technical Specifications</td>
<td>Implementation Overview of the Standards Framework of the Americas</td>
<td>Document</td>
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<td>Proposal of CORE Standards of the Americas</td>
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<td>Geospatial Data Model of the Americas</td>
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<td>Standards Database</td>
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<td>Best Practice</td>
<td>Spatial Data Infrastructure (SDI) Manual for the Americas</td>
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<td>Best Practice List</td>
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<td>Diagnosis about Innovation in National Mapping Agencies in countries of the Americas</td>
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<tr>
<td>Tecnology</td>
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<td>User Manual – Website</td>
<td>Document</td>
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<tr>
<td>General</td>
<td>PC-IDEA - Final Report of Activities</td>
<td>Document</td>
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<td>Diagnosis on relevant topics of geospatial information management and development of Spatial Data Infrastructures (SDI) in countries of the Americas-2011</td>
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<td>Diagnosis on relevant topics of geospatial information management and development of Spatial Data Infrastructures (SDI) in countries of the Americas-2013</td>
<td>Document</td>
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Diagnosis about Innovation on National Mapping Agencies in countries of the Americas

Aspects of NMA surveyed

• Institution name and mission
• Type of institution (18 civil and 6 military)
• Sectorial partnerships
• Production scope
• Products types
• Legal establishment (Canada: the oldest – 1842)
• Address (virtual and physical)
• Innovations
• Relationship with NSDI
Diagnoses on relevant topics of geospatial information management and development of SDI in countries of the Americas 2011 and 2013
Publications/Database on Standards and Technical Specifications
10° Conferencia Cartográfica Regional de las Naciones Unidas para las Américas

Una nueva versión de la Conferencia Cartográfica Regional de las Naciones Unidas para las Américas se realizará en la ciudad de Nueva York, entre el 19 y 23 de agosto de 2013. Entre los temas más importantes a tratar está el respeto a la implementación de las resoluciones adoptadas en la 9° Conferencia, exposición que estará a cargo de la División de Estadísticas de la ONU y de la Secretaría Ejecutiva de CP-IDEA. También se presentará una serie de trabajos en temas institucionales, económicos, de política y estratégicos.

Próximas actividades
- 19/08/2013
  Décima Conferencia Cartográfica Regional de las Naciones Unidas para las Américas
- 22/08/2013
  Decimosexta Reunión Plenaria de CP-IDEA

New Website
http://www.cp-idea.org/
Other activities of the Committee

Website management
⇒ Mexico to Brazil
⇒ Brazil to Chile

Meetings and participation in events: **26**
Presentations: **60**

Texts for news and interviews in magazines and journals

Dissemination of the work and activities of the Committee through specific marketing material and e-mail

Dissemination of news and events of interest to the mailing list of members and contributors

Preparation of various reports to the Committee and other bodies

Preparation of the marketing material (folders, banners, front pages, publications, ...)
Marketing material, templates and new logo

Banners

Flyers

Templates

New logo
Publications, books, magazines and interviews
MundoGEO Latin America 2013 Special Award

For the activities carried out during the past four years towards the development of Spatial Data Infrastructures in the Americas
Cooperation and Partnerships

1. PAIGH-SIRGAS-PC-IDEA-GeoSUR Joint Action Plan

This policy document aims to fostering the development of SDI of the Americas, harmonizing efforts and work plans, and avoiding duplication.

Available in Spanish, English and Portuguese

http://www.ipgh.org/Iniciativas/PlanConjunto.pdf
http://www.ipgh.org/Iniciativas/PlanodeAcao.pdf
2. Cooperation proposal between the Panamerican Institute of Geography and History (PAIGH) and the United States Statistics Division (UNSD) regarding PC-IDEA activities. This proposal is under discussion between the involved entities.
All goals established by the 9th UNRCC-A have been achieved, in addition to many products/activities that have been generated/carried out during this term. The work plan has been implemented in such a way that the next Executive Board may promote its continuity, in case this is envisaged.

Numerous working meetings have been held during this term:
• 4 plenary meetings
• 1 Executive Board meeting
• 7 GTplan meetings
Besides, a large number of virtual meetings have also been held. All these activities have certainly contributed to the achievement of all goals for this period.
Final Comments

PC-IDEA recognizes the importance of the UN-GGIM initiative, which aims to set a high level forum, coordinated by the member countries, for global geospatial information management. PC-IDEA was glad with the opportunity of actively contributing to the process of building this initiative and its corresponding UN Committee of Experts.
Acknowledgements

Many thanks to all colleagues and institutions for supporting PC-IDEA activities during the 2009-2013 term, specially to:

• PC-IDEA Executive Board
• WG coordinators and members
• PC-IDEA members
• UNSD

Luiz Paulo Souto Fortes
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