

Update on Subcomponent A, Item 3

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

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Presentation Outline

1. Overview of the PRA Project
2. Study findings
3. Guidelines for the Implementation of SDI in the Americas
4. Next Steps

PRA Project

Assessment and compilation of best practices for PC-IDEA

1. Survey of Best Practices (January – September 2011)
2. Analysis of findings and needs (August – November 2011)
3. Development of guidelines for the implementation of SDIs in the Americas (November 2011 – January 2013)

FINAL PRODUCTS:

Report on the results of the survey

Compilation of Best Practices

Guidelines for the implementation of SDI in the Americas

PRA Questionnaire

Address the key components of the SDI:

- 1. Policies** (Regulatory framework, privacy, licensing, etc.)
- 2. Standards** (Implementation, metadata, Web Map Service, etc.)
- 3. Technology** (Open source, cloud computing, data dissemination, etc.)
- 4. Framework Data** (Dissemination practices, base layer development, etc.)
- 5. Other** (Capacity building, governance, leadership, funding etc.)

Focus on:

- existing guidelines and documents within member country
- case studies and success stories for SDI implementation
- existing guidelines and best practices outside of PC-IDEA region
- needs for best practices and guidelines within member country
- needs by target audience (technical, managerial/policy, users)

PRA Study Findings

Lack of documentation and dissemination of best practices

Many of the consulted countries are not documenting

- PC-IDEA must promote this activity in the region
- Efficient mechanisms for disseminating best practices by virtual means
- Solutions to the language barriers must be provided

Needs analysis showed primary requirement for policy, standards and technology SDI themes.

Low level of monitoring SDI social and economic impact
– guidelines needed

➤ Compiled list of best practices from survey responses and research –
[Americas](#) [Global](#)

Guidelines for the Implementation of SDI in the Americas

- GeoConnections project plan – approved
- Development of SDI Manual for the Americas
 - Glossary project
 - SDI Manual project
 - Chapter on Measuring and Monitoring SDI Benefits and Impacts

Glossary of Terms

Purpose: Create a tool to ensure consistency among the members of PC-IDEA in the use of specific terms.

- Simple structure for incorporating the 4 priority languages (Spanish, English, Portuguese, and French)
- 4 [Glossaries](#) (1 for each language), 2 columns, alphabetical – TERM/DEFINITION
- [Table of Equivalent Terms](#) - All 4 languages, 4 columns, alphabetical according to Spanish
- Glossary has been reviewed by working group, Brazil and Chile to ensure translation – Posted on PB-Works
- Will become a component of the Manual

Development of SDI Manual

- Statement of Work developed
- Hickling Arthurs and Low Corporation contracted to develop Manual
- Manual will be based on incorporating and referencing existing guides and best practices
- New content will also be developed
- Preliminary Structure

Measuring and Monitoring SDI Benefits and Impacts

- Statement of Work developed to prepare a chapter for the Manual
- Contract with key renowned expert in the field to develop chapter (Dr. Garfield Giff)
- Will be incorporated by the HAL team developing the Manual

Next steps

1. Dissemination of compiled Best Practices on PC-IDEA website – update global list
2. Translation of Glossary
3. Liaison with GT-Plan working group for feedback during Manual development – structure, drafts
4. Manage SDI Manual for the Americas project
5. Revise PRA Questionnaire for 2013
6. Produce Final Manual in English – translation by PC-IDEA secretariat
7. Analysis of 2013 questionnaire
8. Presentation of Manual and Study results at Regional Cartographic Conference of the Americas August 2013

Thank You

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Structure (Glossary of Terms)

4 [Glossaries](#) (for each priority language), 2 columns, alphabetical

Term (Abbr.)	Definition
Location Based Services (LBS)	Deliver information about location to people who are using wireless, position-aware devices such as cell phones and PDAs. A wireless-IP service that uses geographic information to serve a mobile user. Any application service that exploits the position of a mobile terminal.
Mass Market Geomatics	The preparation and online publication of geospatial data and services by private sector organizations such as Google Earth, Microsoft Virtual Earth, MapQuest, etc.
Metadata	Data about data or a service. Metadata is the documentation of data. It has primarily been used as information to enable the manager or user to understand, compare and interchange the content of the described data set.
NAP-Metadata	North American Profile of ISO 19115:2003 – Geographic Information – Metadata
Open Data	A philosophy and practice that makes data easily and freely available by way of portals, metadata, and search tools in order to enable re-use of the data in new and unforeseen ways. Open Data relies on (1) a permissive licensing model that encourages re-use, (2) data discoverability and (3) data accessibility.
Open Geospatial Consortium, Inc. (OGC)	A non-profit organization founded to address the lack of interoperability among systems that process geospatial data. The OGC is an international industry consortium of companies, government agencies and universities participating in a consensus process to develop publicly available geographic interface specifications that support interoperable solutions to "geo-enable" the Web, wireless and location-based services, and mainstream IT.

Structure (Equivalent Terms)

[Table](#) - All 4 priority languages, alphabetical according to Spanish

Español	English	Português	Français
Término (Abreviación)	Term (Abbreviation)	Termo (Abreviatura)	Terme (Abréviation)
Aplicación	Application	Aplicação	Application
Especificación	Specification	Especificação	Spécification
Interoperabilidad	Interoperability	Interoperabilidade	Interopérabilité