



Update on Subcomponent A, Item 3

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

Paula McLeod

Wednesday, April 6, 2011

PC-IDEA Working Group Meeting
New York, USA



Natural Resources
Canada

Ressources naturelles
Canada

Canada

Presentation Outline

1. Overview of the PRA Project
2. Preparation for the Survey
3. Related Work that Can be Leveraged
4. PRA Project
5. Addressing Feedback on the Draft Survey
6. Other Proposed Updates to the Survey

Overview of the PRA Project

A survey of the best practices in use by PC-IDEA member countries that address the four 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.)

FINAL PRODUCTS:

- Report on the results of the survey
- Guidelines for the implementation of an SDI in the Americas

Preparation for the Survey

- Studied the structure and content of previous PC-IDEA surveys and other global surveys related to SDI.
- Defined: What is a **best practice**?
 - **Documented resources**
(Guides, guidelines, instructions, manuals)
 - **Anecdotal evidence**
(Case studies, success stories)
- Reviewed other work that has already been done on best practices in the implementation of SDIs:
 - World Bank study on the development of a “how-to” guide on SDI for resource-scarce countries
 - SDI Information Policy Best Practices
(Both presented at the GSDI 12 Conference in Singapore.)

World Bank Study



- infoDev (World Bank) is studying the use of GIS/SDI for monitoring development outcomes.
- To support the project, they developed a list of sources of SDI information.
- Although global in scope, the resources identified could inform the development of SDI implementation guidelines for the Americas.
- Examples of resources identified:

Document Title	Author, Year Published
SDI Cookbook	Global Spatial Data Infrastructure (GSDI) Association, 2009
SDI Africa: An Implementation Guide	United Nations Economic Commission for Africa (UNECA), 2004
Networks of Innovations and the Establishment of an SDI in Brazil	G. Câmara, F. Fonseca, A.M. Monteiro, H. Onsrud
Strategies for SDI Implementation – A survey of national experiences	Uta Wen de Montalvo, 2001

Best Practices and Guidelines for the Development of an SDI (PRA)

- Little precedent for this kind of work.
- Previous surveys have mostly focused on the status of SDIs and/or the technological aspects of an SDI.

Questions of Interest:

- What needs are there in terms of the content of the guidelines?
- What kinds of best practices are PC-IDEA member countries already aware of (both within the region and outside of it)?
- Who will be the primary audience of such guidelines (technical vs. non-technical)?

Addressing Feedback on the Draft Survey

Comment Made	Suggested Update
There should be items that address issues of capacity and awareness.	In addition to the fields on policies, standards, technology and framework data, an “other” field will be added that includes capacity, education, governance, funding, raising awareness and outreach.
What are the good practices related to voluntary geographic information?	In the PRA survey, this subject could be considered under two categories: 1) Framework data 2) Policies

Other Proposed Updates to the Survey

- Define *policies, standards, technologies, framework data* and *other issues* to minimize confusion and reduce the chances of misunderstanding.
- Attach an annex with known examples of best practices guides to the survey (in progress).