

The FIG - Questionnaire on NSDI

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What is a Spatial Data Infrastructure

- ◆ Geographic or spatial data can also be viewed as an infrastructure.

The SDI community believes that a global spatial data infrastructure backed by

- ◆ international standards,
- ◆ guidelines and
- ◆ policies on access to the data

is needed to support global economic growth, and its social and environmental objectives.

(GSDI Canberra Meeting in 1998)

Com. 3 - Brainstorming in Prague

- ◆ *Familiar with NSDI-Questionnaire* *No*
- ◆ Main players/organizations in NSDI
- ◆ Research activities
- ◆ Definitions and visions of NSDI
- ◆ What are the advantages
- ◆ What are the values to the society
- ◆ Policy framework
- ◆ Rights of the data
- ◆ Pricing policy

Com. 3 - Brainstorming in Prague

- ◆ Barriers: legal, cost, copyright, etc.
- ◆ Data content: *quality*, scale, *volume*, etc. Yes/*No*
- ◆ *Maintenance of Data* *No*
- ◆ *Updating policy, frequency* *No*
- ◆ Political support
- ◆ Financial support
- ◆ Referencing standards
- ◆ Support to NSDI - horizontal/vertical
- ◆ Value added services

Com. 3 - Brainstorming in Prague

- ◆ Access and *delivery* mechanisms Yes/*No*
- ◆ Drivers behind NSDI
- ◆ Future strategy: 2 years, 5 years
- ◆ *Role of the surveyor in NSDI* *No*
- ◆ *Education and training in NSDI* *No*

Canberra Implications

(based on the initial Analysis)

The concepts of

- ◆ metadata,
- ◆ core data,
- ◆ data standards and
- ◆ clearinghouses

are relatively well accepted as parts of
NSDIs across the globe.

Canberra Implications

(based on the initial Analysis)

- ◆ Agreement among nations on metadata standards for spatial data is feasible.
- ◆ Vision for a workable NSDI would need to involve networks of decentralized geographic data clearinghouse nodes. These could be government agencies at various levels, commercial sectors, or both.

Canberra Implications

(based on the initial Analysis)

- ◆ Agreement among nations on a small number of core data sets may be a realistic possibility.
- ◆ Wide variations exist among nations regarding legal and economic policies. Forums other than GSDI may be more appropriate in resolving conflicts in data policies among nations.

Canberra Conclusions

(based on the initial Analysis)

- ◆ National Infrastructures are being planned and developed (30+ nations in 1998)
- ◆ There are many variations: legal, scale, organizational, etc.
- ◆ There are commonalties: metadata, core data, standards, clearinghouse
- ◆ Local, national and global awareness is growing
- ◆ We can take steps forward by building on areas of agreement

The SDI Cookbook

The Canberra result:

There is a diversity of different approaches.

◆ Developing Spatial Data Infrastructures:

The SDI Cookbook

Version 1.0

6 July 2000

Douglas D Nebert, Technical Working Group Chair, GSDI

The SDI Cookbook

- ◆ Implementation guide to give ideas to GI providers and users in order to
 - evaluate,
 - implement or
 - participatewithin a growing digital geographic information community, the GSDI.

The SDI Cookbook

- ◆ The Cookbook identifies:
 - existing and emerging standards,
 - supportive organizational strategies and policies,
 - free- or low-cost software solutions based on these standards, and
 - best practices

The SDI Cookbook

- ◆ It consists of ten chapters covering the following topics:
 - The Cookbook Approach
 - Geospatial Data Development: Building data for multiple uses
 - Metadata: Describing geospatial data
 - Geospatial Data Catalog: Making data discoverable
 - Geospatial Data Visualization: Online mapping
 - Geospatial Data Access and Delivery: Open access to data
 - Other Services
 - Outreach and Capacity Building: Creating a community
 - Case Studies
 - Terminology

The SDI Cookbook

- ◆ It is internationally authored,
- ◆ accessible on the internet,
- ◆ distributed on CD ROM, and
- ◆ in paper format.

Future Activities of FIG-Com. 3

- ◆ What about the questions, Harlan did not care?
- ◆ Is a new NSDI questionnaire opportune?
- ◆ Study and analyze the SDI Cookbook!
- ◆ Shall we build a second „Cookbook“?

Future Activities of FIG-Com. 3

Wouldn't it be better to join the international activities by an official FIG member within:

- GSDI community
- EUROGI (Evaluation of NSDI Activities in EU)
- others (e.g.: White paper in Norway with a definition of a „National Digital Geographic Infrastructure“)