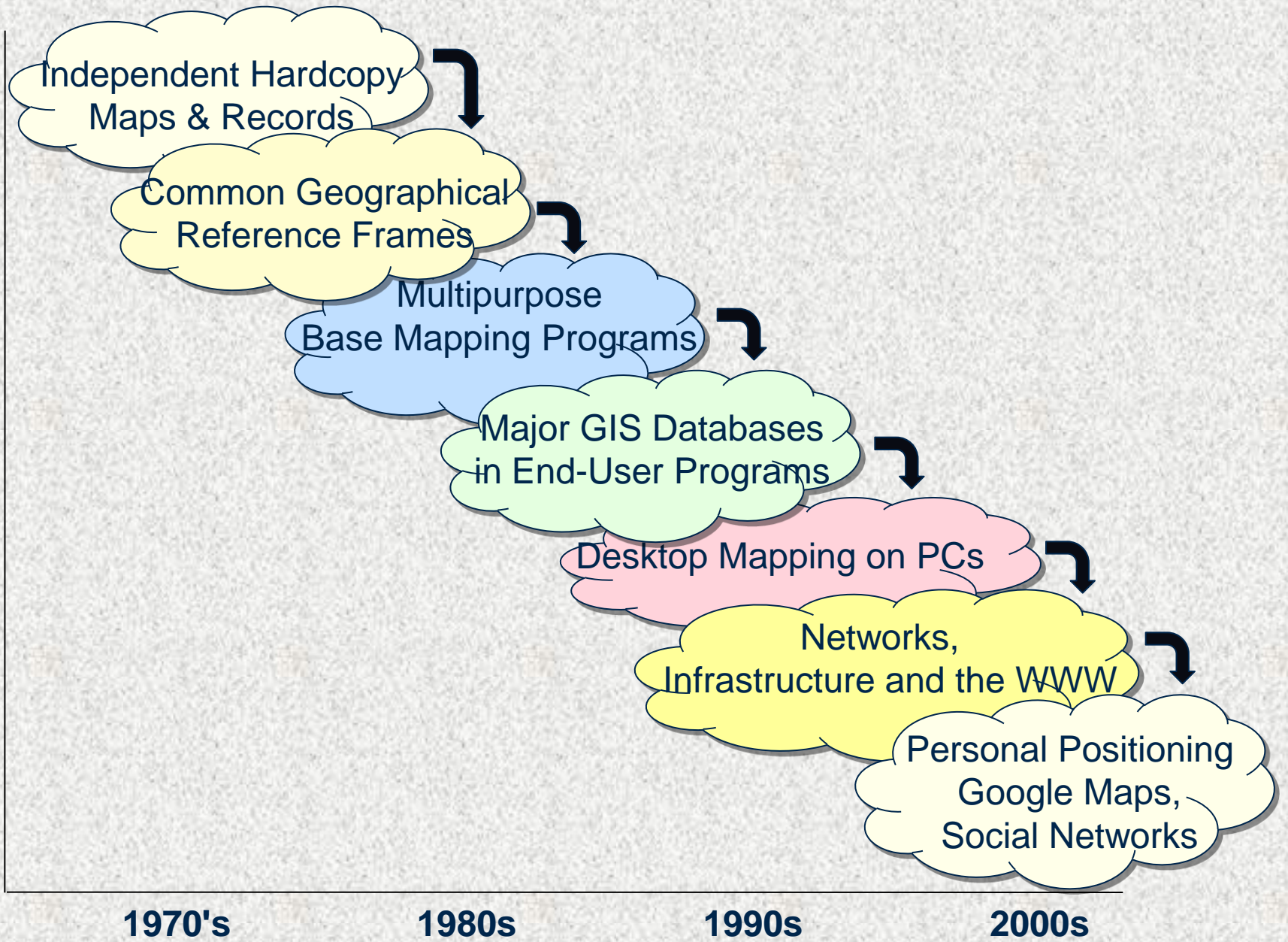




GSDI: An International Perspective

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Technical Committee Chair
Global Spatial Data Infrastructure Association**

**MundoGeo Conference, Sao Paulo, Brazil
18 June 2013**



Spatial Data Infrastructure

- ✓ That critical mass of **processes, policies, standards, enabling technologies, mechanisms** and **key datasets** required to make geospatial data readily available to the growing community of end-users.
- ✓ The mix of these components is different in every jurisdiction. Each spatial data infrastructure program has different characteristics.

SDI Programs Worldwide

5 key areas of focus to date:

- Framework data definition and development
- Geospatial data discovery and download
- Web mapping (sometimes from several different servers & integrated on your browser)
- Location-based services
- Definition and development of standards and standards-based products to enable the above

The GSDI Association

✓ **Our Vision:**

A world where everyone can readily discover, access and apply geographic information to improve their daily lives.

The GSDI Association

✓ **Our Mission:**

To advance geo-information best practices, knowledge sharing, and capacity building...

... for the improved sharing and application of geographic information.

GSDI Association

Founding Principles (1998)



- ✓ Be inclusive
- ✓ Enhance democratic decision making processes
- ✓ Be as simple, transparent and open as possible
- ✓ Be flexible and adaptable to change
- ✓ Support sustainable development
- ✓ Build on and support existing activities
- ✓ Engender partnerships

GSDI Conferences: Spreading the Word





The GSDI Association: Where are we now...?

- ✓ A formal incorporated non-profit organization
- ✓ Global membership of organizations and individuals from all sectors
- ✓ Board and Officers
- ✓ Bylaws
- ✓ Strategic and Implementation Plans





GSDI Association Goals

- ✓ Promote and develop awareness and exchanges - knowledge portal for all things related to SDI
- ✓ Facilitate data access/discovery
- ✓ Stimulate & conduct capacity building ... small grants, conferences, workshops
- ✓ Encourage and conduct SDI development research
- ✓ Engage partners to help

GSDI

Standing Committees

- ✓ Legal and Socioeconomic Committee
- ✓ Outreach & Membership Committee
- ✓ Societal Impacts Committee
- ✓ Technical Committee



GSDI

Global Spatial Data Inf

SDI - Africa : An Implementation Guide

SDI AFRICA: AN IMPLEMENTATION GUIDE

This handbook has been compiled as a cooperative effort of the Economic Commission for Africa (ECA), the Global Spatial Data Infrastructure Association (GSDI) and EIS-Africa, with the collaboration of the International Institute for Geoinformation Science and Earth Observation (ITC). The objective of compiling this handbook is to assist African countries to improve the management of their geo-spatial data resources in a way that effectively supports decision-making by governments and ensures the participation of the entire society in the process.

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- Chapter Eight
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SDI Cookbook

Main Page

Welcome to the SDI Cookbook

The following contains the text of the book, broken down by chapter.

Each chapter is then broken into subsections.

SDI Cookbook

- [Chapter 1: The Cookbook Approach](#)
- [Chapter 2: Geospatial Data Development: Building data for multiple uses](#)
- [Chapter 3: Metadata: Describing geospatial data](#)
- [Chapter 4: Geospatial Data Catalogue: Making data discoverable](#)
- [Chapter 5: Geospatial Data Visualization: Online Mapping](#)
- [Chapter 6: Geospatial Data Access and Delivery: Open access to data](#)
- [Chapter 7: Other Services](#)
- [Chapter 8: Legal Issues and Economic Policy](#)
- [Chapter 9: Outreach and Capacity Building: Creating a community](#)
- [Chapter 10: Standards Suites for Spatial Data Infrastructure](#)
- [Chapter 11: Case Studies](#)
- [Chapter 12: Terminology](#)
- [Annex A. Abbreviations and Terminology used in the GSDI Cookbook](#)

**Wiki Version.
PDF versions now
available in
English, Spanish,
Chinese and Polish**

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GSDI Discussion Lists

Thematic Discussion Lists:

Thematic discussion lists are openly available for anyone to read on the web. To submit comments to a list or to receive submitted comments by e-mail, one must register.

Technical Committee Discussion List

Legal and Socioeconomic Committee Discussion List

Outreach & Membership Committee Discussion List

Societal Impacts Committee Discussion List

Regional Discussion Lists:

Regional discussion lists are openly available for anyone to read on the web. To submit comments or to receive submitted comments by e-mail, one must register.

SDI Africa Discussion List

SDI Asia and Pacific Discussion List

SDI Europe Discussion List

SDI North America Discussion List

SDI South and Central America and the Caribbean Discussion List

Administrative Discussion Lists:

Discussion lists have been established for the GSDI Council (all delegates from full member organizations) and the elected GSDI Board. Members of the groups are automatically subscribed.

GSDI Council Discussion List

GSDI Board Discussion List

International Geospatial Society Forum

Financial Assistance

- ✓ GSDI Small Grants Program to help pay for supporting software
- ✓ Cooperating with URISA GIS Corps to provide services to some countries
- ✓ Cooperating with ESRI and International Steering Committee on Global Mapping on another Grants program

GSDI Legal & Socio-Economic Committee



Bastiaan Van Loenen



Katleen Janssen

- Exploring, categorising and discussing existing licencing terms
in order to
 - improve the legal interoperability of geo-data at a global level



<http://www.giknet.org>

Connecting Geospatial Leaders and Innovators

[GI Community Registry](#)[Deposit Spatial Documents](#)[Find Spatial Documents](#)[Mapping Agency Central](#)[SDI Survey Responses](#)[International Geospatial Forum](#)[Best Geo Web Resources](#)[Geospatial Discussion Lists](#)[About this Network](#)

... a professional and academic network for the geographic information global community

GI Community Registry

Put yourself and your organization on the global map! To browse profiles supplied by others, use the map index above or go to the Community Registry to search by category or key words

International Geospatial Forum

Communicate with other members of the international geospatial community.

Mapping Agency Central

Explore the national mapping agency contact list, the status of national mapping agency spatial data infrastructure programs, the mapping agency discussion forum, and the equipment exchange.

Deposit Spatial Documents

Contribute your works that address spatial data infrastructure and geographic information development concepts to an open access depository.

Find Spatial Documents

Search the spatial docs depot or explore links to best papers, best practices, and other geospatial document collections.

Spatial Data Infrastructure Survey Responses

See survey responses from across the globe on the status of national, sub-regional and local spatial data infrastructure developments.

Closing thoughts LAC (1)

- ✓ Stakeholders like the decentralized approach of GeoSUR - nobody is willing to give its data to a central repository.
- ✓ Regional entities play a key role in starting and maintaining a regional network.
- ✓ Building regional networks is a slow process, need to make sure funding is available over a reasonable time period (5 years or more for starters).
- ✓ Regional networks offer the “missing link” between national and global data initiatives . . . They can play a key role in safeguarding our environment!

Closing thoughts LAC (2)

- ✓ Partner with trusted regional entities, they will carry forward the effort once international funding is gone.
- ✓ Start with a cradle of key and capable organizations to establish a firm footing (late joiners will need more assistance)
- ✓ Start with the development of simple regional web services to show early results and keep the momentum.
- ✓ Maintain a light structure, no need to be bureaucratic. Use Webinars and web communications to keep costs down.
- ✓ Be inclusive, let any data producer participate (metadata should tell you about the quality of their data).
- ✓ Capacity-building and technical assistance should be a cornerstone of the effort.

**Communicating the Experiences and Lessons of
GeoSUR: an Eye on Earth Activity**



**A Regional Initiative to Integrate and Disseminate Spatial
Data in Latin America and the Caribbean**

<http://www.geosur.info>



PAN AMERICAN INSTITUTE OF
GEOGRAPHY AND HISTORY

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For further information
<http://www.gsdi.org>