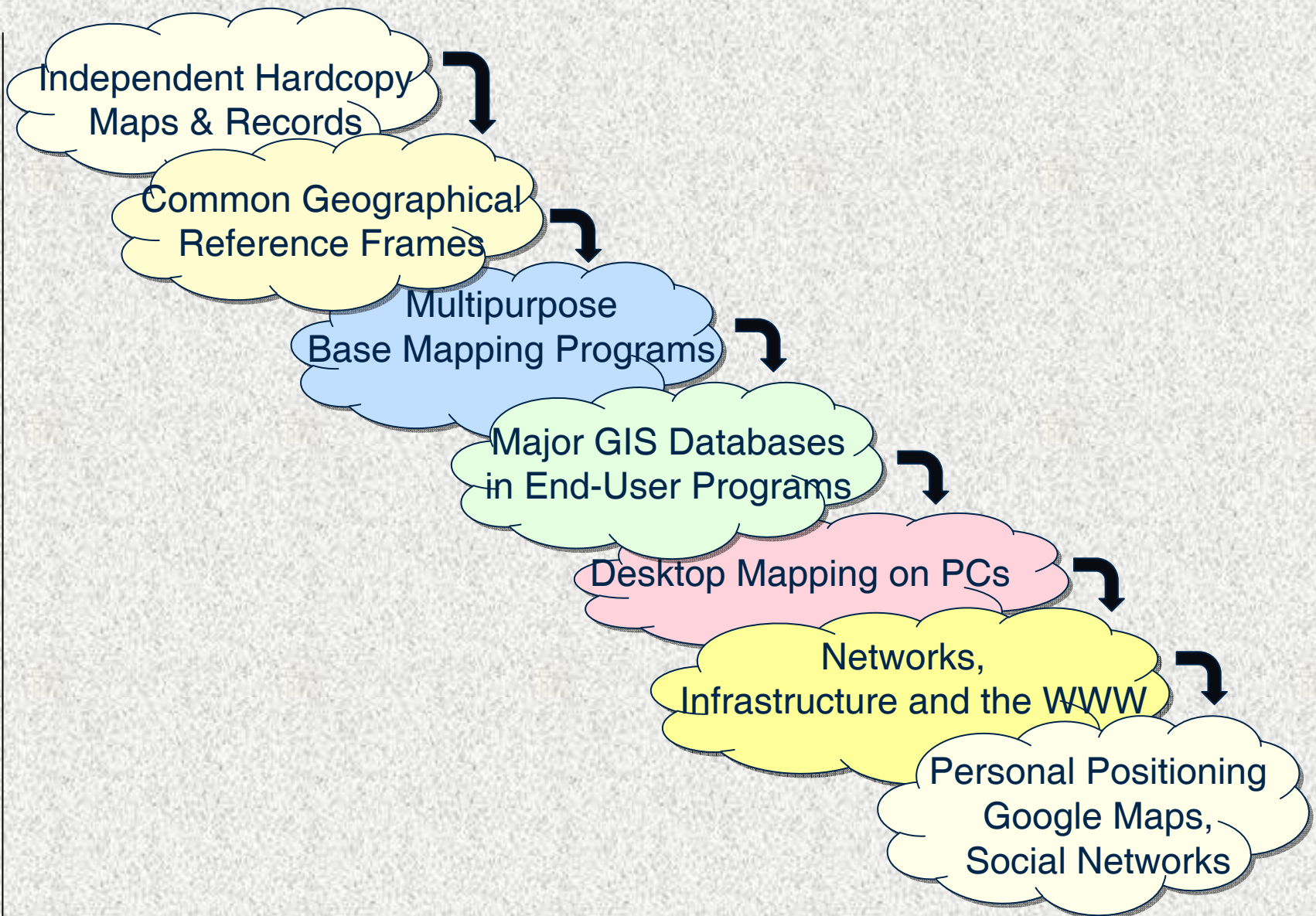# GSDI:
Towards a Spatially Enabled Society

Dr. David J. Coleman, President
Global Spatial Data Infrastructure Association

UN Regional Cartographic Conference for the Americas,
United Nations, New York, NY
20 August 2013

Independent Hardcopy Maps & Records

Common Geographical Reference Frames

Multipurpose Base Mapping Programs

Major GIS Databases in End-User Programs

Desktop Mapping on PCs

Networks, Infrastructure and the WWW

Personal Positioning Google Maps, Social Networks

1970's   1980s   1990s   2000s

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)

➢ Cultivation of "communities of practice"

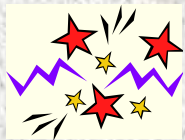➢ Definition and development of standards and standards-based products to enable the above

A Changing Marketplace

✓ Corporate downsizing and reorientation of government programs

✓ Commoditization and "mass customization" of products and services

✓ Challenges to traditional geomatics approaches in developing countries

✓ Evolving expectations of users re: capability, performance, transparency, simplicity and reliability

SDI Programs 1995-2013: *Looking Back…*

- Mapping Emphasis and Library/Bookstore Metaphor limited the vision

- Emphasis on widespread, mass-market use of government mapping files has not taken hold.

- Mixed successes in government-government and government-industry partnerships

- Except in a few examples, did not predict the ultimate influence of integrated, real-time location-based services

SDI Programs 1995-2013: *Early High Points*

Provided basis of forecasting of demand for gov

Supported Important Standards and

Provided privat

Raise

Important Sharing of Lessons Learned

panies with prehensive to base their

own services.

Changed the workflows, efficiency and turnaround of government tasks & services

approaches to on-very & downloads

The GSDI Association

Advancing a Spatially-Enabled World

✓ **Our Vision**:
A world where everyone can readily discover, access and apply geographic information to improve their daily lives.
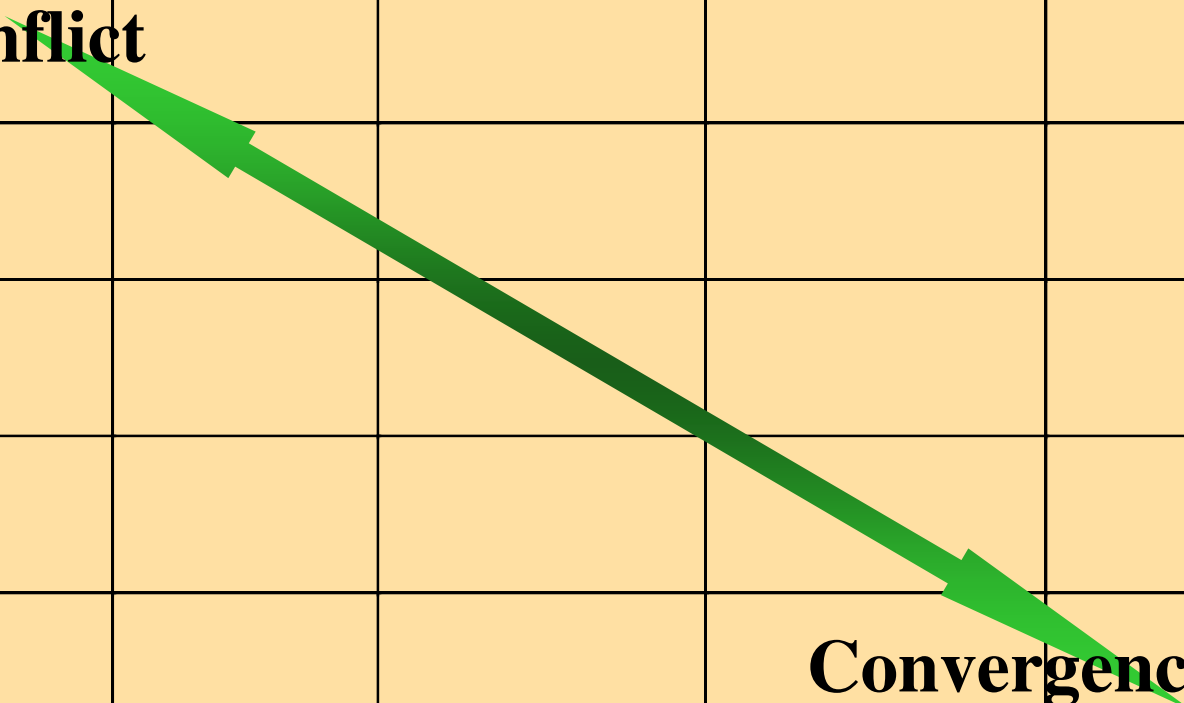
The GSDI Association

✓ **Our Mission:**

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

… for the improved sharing and application of geographic information.

GSDI:
Issues at the Interfaces

	People	Policies	Institutions	Technology	Data
People	**Conflict**				
Policies					
Institutions					
Technology					
Data					**Convergence**

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 Board of Directors

(Art VI)
Eleven Elected members
Plus President, President-Elect and Past Pres
plus appointments from regional bodies,
industry advisory council and Pres of IGS

Standing Committees

(Art IX)
• Technical Committee
• Legal and Socio Economic Committee
• Outreach and Membership Committee
• Societal Impacts Committee

Officers

(Art. VI)
• President
• President-Elect
• Executive Director
• Secretary (appointed)
• Treasurer (appointed)

appoints

elects

GSDI Association Council

Delegates from Member Organizations [Art IV(2)&(3)]

Delegates

Pres and V. Pres

International Geospatial Society

Individuals qualifying under Art IV(4)
Government, private, and not-for-profit organizations

Full Members

Government, industry, academic, and not-for-profit agencies, organizations and institutions qualifying as members under Art IV(1)

GSDI Association Business Office

GSDI
Standing Committees

✓ Technical Committee

✓ Legal and Socioeconomic Committee

✓ Outreach & Membership Committee

✓ Societal Impacts Committee

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.

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

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

This page was last modified on 14 August 2012, at 12:31.

This page has been accessed 32,978 times.

GSDI Legal & Socio-Economic Committee

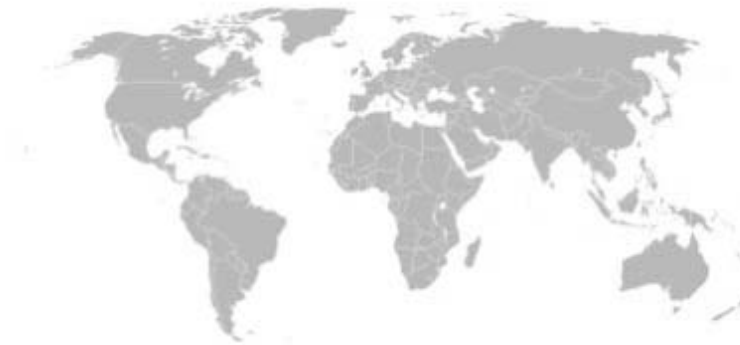Bastiaan Van Loenen

Katleen Janssen

- Exploring, categorising and discussing existing licencing terms

    in order to

    – improve the legal interoperability of geo-data at a global level

GSDI: Communications and Outreach since May 2012

✓ GSDI/IGS Global Newsletter: 12 issues

✓ Monthly SDI Regional Newsletters

  ■ Africa

  ■ Asia-Pacific

  ■ Latin America & Caribbean

✓ E-mail List (reaching over 4500 addresses)

✓ Booklet "Spatially Enabling Societies" (with FIG)

Geospatial Scope

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.
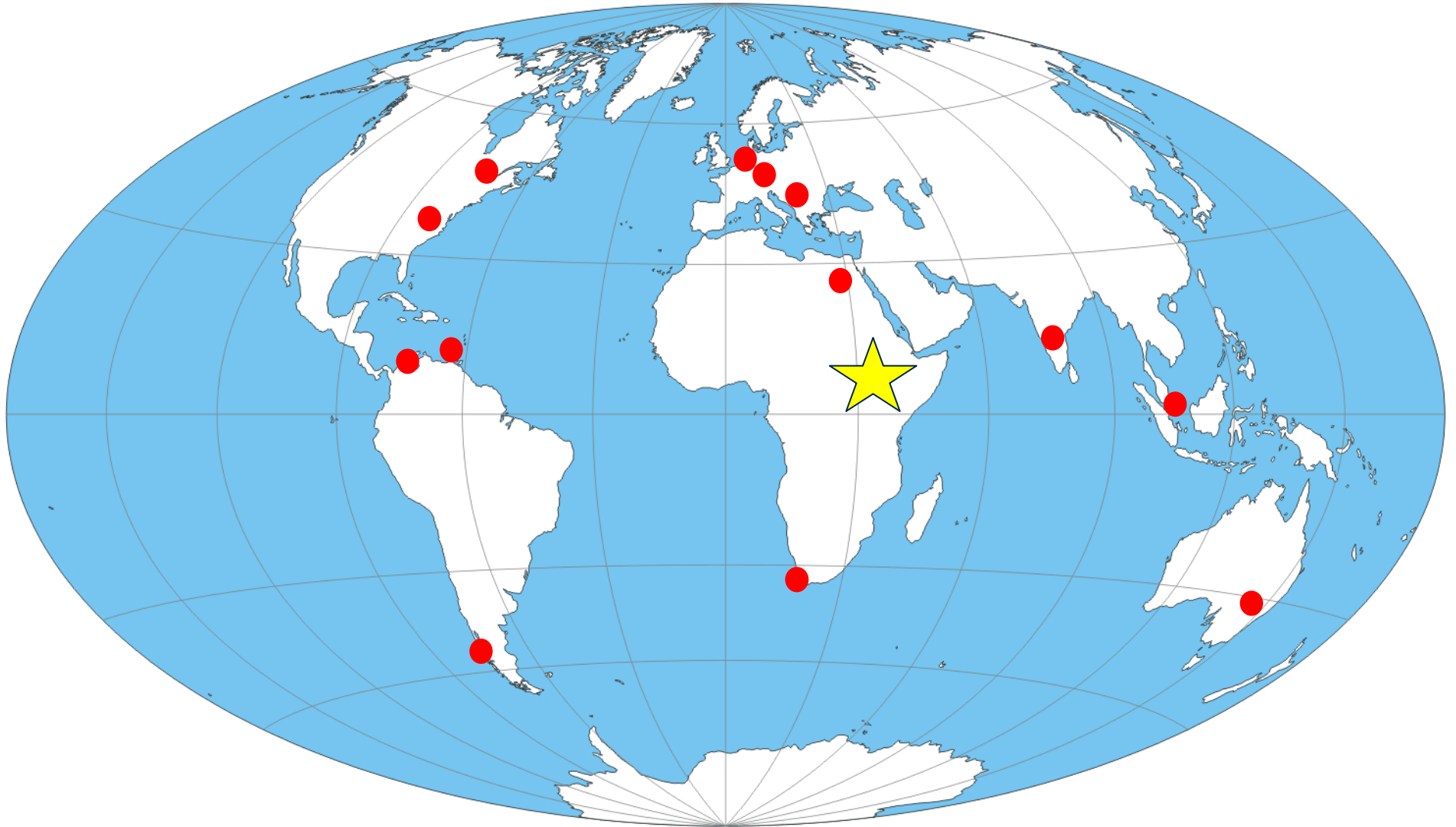
Financial Assistance

GSDI Conferences: Sharing Lessons Learned

AfricaGIS 2013

GSDI 14

Global Geospatial Conference 2013
UNECA Conference Center, Addis Ababa, Ethiopia
November 4-8, 2013

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