

Major Opportunities in Spatial Data Infrastructure Communities

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President GSDI

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FIG Working Week: Integrating Generations
14-19 June 2008 Stockholm, Sweden



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GSDI Global Spatial Data Infrastructure Mission

- Serve as a point of contact and effective voice for those in the global community involved in developing, implementing and advancing spatial data infrastructure concepts,
- Foster spatial data infrastructures that support sustainable social, economic, and environmental systems integrated from local to global scales, and
- Promote the informed and responsible use of geographic information and spatial technologies for the benefit of society.



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GSDI Association Stakeholders



Capacity Building

- **Newslist** (news@gsdi.org - 1600 subscribers)
- **Monthly Regional Newsletters** - Africa, Latin America, Asia/Pacific (electronic)
- **Working Groups** - Technical, Legal & Economic, Standing Committees, etc.
- **Email Discussion Forums**
- **Small Grants Program**
- **Annual Meeting plus Training Workshops**
- **Affiliated Projects:** ESRI Global Map Grants, Intergraph Open Interoperability Grant Program



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Current Projects...

Developing Spatial Data Infrastructures: **The SDI Cookbook**

Version 2.0
2004

Release for Review at the Fourth Global Spatial Data Infrastructure Conference, Cape Town, South Africa



Editor: Douglas D. Nebert, Technical Working Group Chair, GSDI

Disclaimer: This draft represents a work-in-progress that has been compiled from numerous contributions and available online documents contributing organisations. Full acknowledgement of contributions and citations will be provided in the initial public draft.



www.gsdicookbookindex.asp

<http://www.gsdicookbookindex.asp>

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Current Projects...

Cookbook - announcing version 2.0:

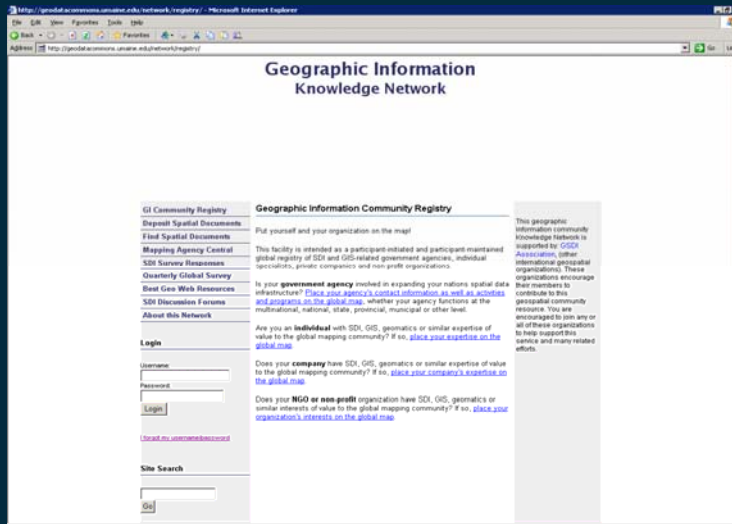
- Doug Nebert; Editor in Chief
- It contains contributions from many nations
- FGDC/GSDI will maintain it and make it available on the GSDI website
- It is a living document
- Previous editions have translations available in Spanish, Chinese, Polish



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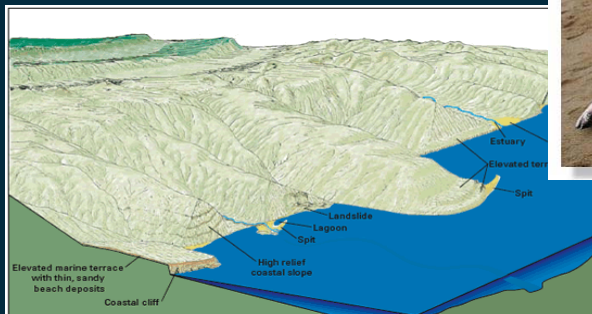
GSDI Projects.. Geographic Information Knowledge Network



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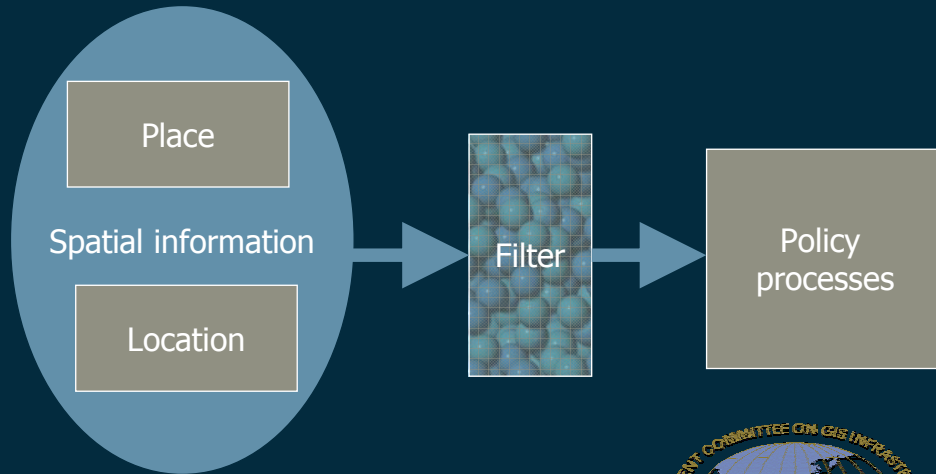
GSDI Projects Small Grants Program



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Spatially Enabled Government (SEG)



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Evolution in GI Sector

- Successes around the world
- Regional communities and GSDI are growing in their role



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Past Activities

Mid 1990's

- 1st GSDI Conference in 1996
- Global platform introduction SDI's

End 1990's

- Institutional issues on SDI's

Mid 2000

- Implementation SDI's in governmental processes



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Successes around the world

- Europe and INSPIRE
- USA
- Asia Pacific
- India
- Latin America
- Canada
- Global organisations
- Public Private Partnerships



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Success to SDIs

Main organizational conditions for successful interoperability

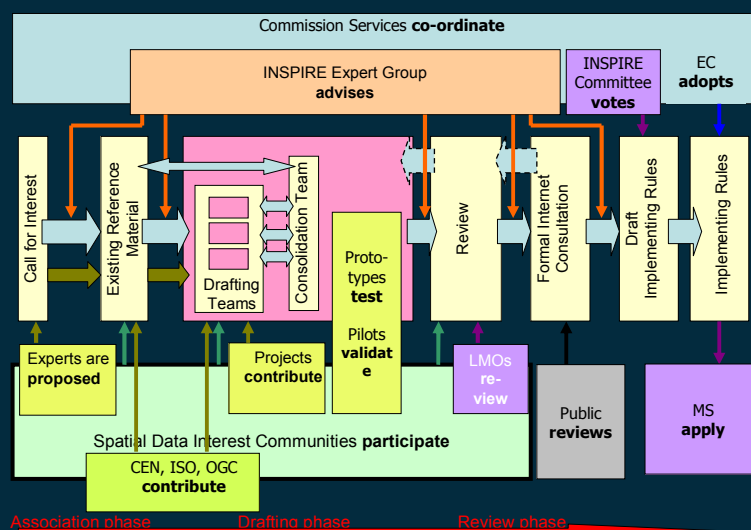
- Leadership and legal framework
- Vision for coordination and cooperation
- Clear communication strategy
- Ability to create initiatives of local communities
- Interaction within policy framework



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INSPIRE process



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Successful SDIs in line with INSPIRE

- Spain



- Norway



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Spain Geo portal - www.ideo.es

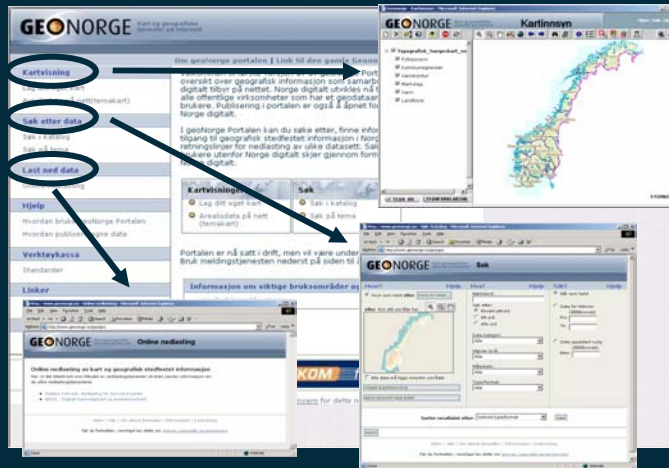
The screenshot displays the 'Infraestructura de Datos Espaciales de España' (IDEES) website. It features a navigation menu on the left with categories like 'Servicios', 'Servicios de datos', and 'Servicios de gestión'. The main content area includes a search bar, a map, and several service descriptions. A mobile phone is shown displaying the website's mobile interface. The bottom right corner shows a 3D map view.



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Norway geo portal- www. geonorge.no



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Successful SDI Development Sweden EULIS Project



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Successful SDI Development Finland



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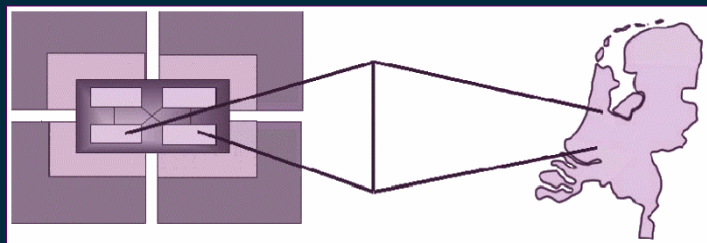
Successful SDI Development Lithuania



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Successful SDI Development The Netherlands



2003 SDI Part of eGovernment Legislation Authentic Registers

- Cadastre
- Buildings
- Enterprise
- Population
- Addresses
- 1:10.000 topographic set
- 1:1000/2000 topographic set



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USA Geospatial One-Stop (GOS)

State/Regional/Local Data Sets

- Examples
- North Carolina
 - San Francisco Bay Area (BARGC)



Federal Data Sets

- Examples
- USGS Hydrography
 - NGS Geodetic Control
 - BLM PLSS
 - DoD Defense Installations (DISDI)



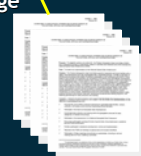
Integrated National Data Sets

- Examples
- Transportation
 - Landmarks
 - Hydrography
 - Land Use

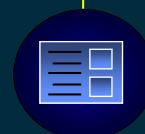


Scientific Knowledge

- Examples
- Reports
 - Models
 - Applications



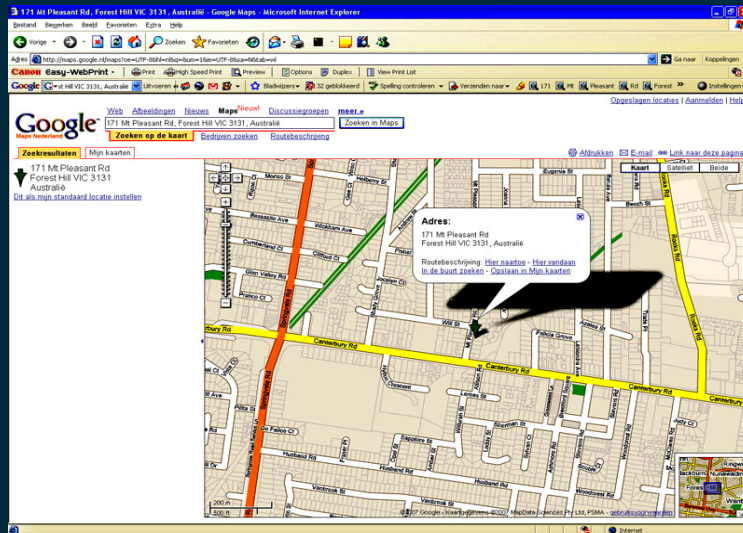
National Metadata Catalog (GOS)



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Successful SDI Development Australia



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Successful SDI Development Canada

1. National - geo experts
2. National - public
3. Regional - regional/local government
4. Regional - non-expert users



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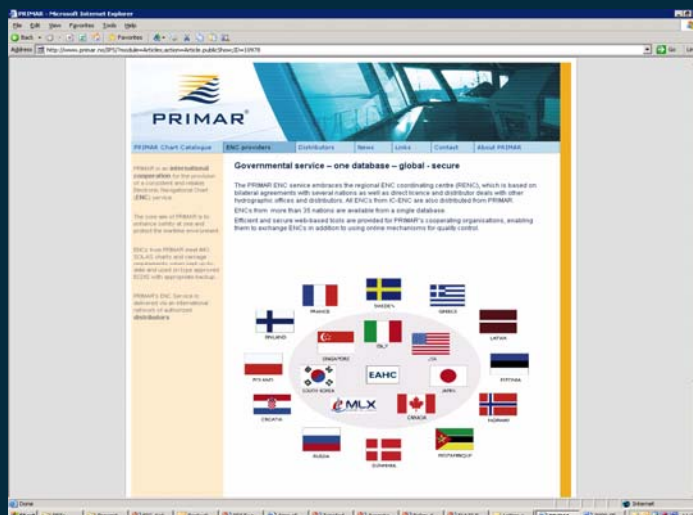
UNSDI, United Nations Spatial Data Infrastructure
 GEOSS, Earth Observation System of Systems
 GEO, Group on Earth Observation



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International Hydrographic Offices



www.primar.no



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Public Private Partnerships

Advancing SDIs

- Inspire Directive
- SDI in Queensland, Australia
- Geospatial Intelligence Community
- NATO C3 Reference Architecture
- Oceans Science Interoperability Experiment
- National Forest Information System, NFIS
- US Federal Enterprise Architecture Geospatial Profile



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GI Society: A Partner in Setting the Global Agenda

SDI regions

Canada
Americas
Africa
Europe
Asia / Pacific

Global society

World Bank
UN
Habitat
UNISEF
Water Forum
WHO
FAO



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GSDI 11 Conference

The Netherlands June 15 - 19 2009

GSDI 11 World Conference

**Spatial Data Infrastructure Convergence:
Building SDI Bridges to Address Global Challenges**



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GSDI 11 Conference

The Netherlands June 15 - 19 2009



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