



Working Group 3.3: State of the art of SIM

developing the FIG Com3 web Inventory...

http://www.survey.ntua.gr/main/labs/photo/research/wg_33/wg33.html

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Working Group 3.3: State of the art of SIM

- Development and state of the art of SIM
analysis of nation-wide activity and world-wide picture of best practice of institutional structures as well as contents of data bases
- Establishing a FIG - metadata base about SDI

[Contributors to W.G. activities](#)

[Schedule](#)

[National Reports / Literature](#)

[Proposal for Standardized Reports](#)

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[FIG - Athens 2000 proceedings](#)

[WPLA - 2003 Athens workshop](#)

Working Group 3.3: Contributors to W.G. activities

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Working Group 3.3: Schedule (1)

Policy Issues

- To increase cooperation between different jurisdictions, disciplines, professional groups, Public-Public-Partnerships, Public-Private-Partnerships
- To positively influence organizing and business models as well as procedures: layers of administration
- To raise awareness and encourage participation regarding:
 - Institutional structures and Spatial Information Infrastructure
 - Data availability and Spatial Data Infrastructure
- To work towards capacity building and transfer of experience within Com3
- To facilitate the development of NSDI's

Working Group 3.3: Schedule (2)

Specific projects and outputs

Based on cooperation with other WG's and other Commissions this WG will:

- Create a [metadata base](#) with information about the State of the Art of SIM at national level, and maintain an up to date [WEB-Inventory](#) of best practice

A feed back from all Com 3 WG's is necessary

- Show good practice on the managerial process
- Provide links with main relative organizations, projects, minutes of workshops, relative literature and experts
- Share and provide experiences in SIM and NSDI
- Contribute to the Inter-Commission activities
- Report on best practice of Spatial Information Management for Sustainable Land Administration (UN/FIG-publication)

Working Group 3.3: Schedule (3)

Workshops

Joined UNECE-WPLA & FIG Com3, Com7 Workshop on "Spatial Information Management for Sustainable Real Estate Market- Best Practice Guidelines in nation-wide Land Administration"

Will be held in Athens, Greece , late May - early June 2003

Beneficiaries

- ✓ Surveyors
- ✓ Associations
- ✓ Public and Private sector
- ✓ Governmental organizations
- ✓ Individuals, students and users of spatial data and spatial information

Working Group 3.3: Schedule (4)

Proposed Time Schedule (2002-2004)

- Agreement on National Reports standardization
Sept 2002
- Collection of National Reports, structure of Metadata Database
FIG W.W. 2003
- Organization of a common UNECE-WPLA & FIG Com3 & Com7 workshop
late May – early June 2003
- First version of Web Inventory of best Practice available
Com3 annual meeting Dec 2003
- Final modification, publication
FIG W.W. May 2004

Working Group 3.3: National Reports (1)

Australia

Land Administration and Spatial Data Infrastructures - Trends and Developments

Botswana

Botswana - Towards a National Geo-Spatial Data Infrastructure

Burkina Faso

NSDI activity in Burkina Faso

Canada

Spatial Data Infrastructure Funding Models: A necessity for the success of SDIs in emerging Countries

Spatial Data Infrastructures in a social Interactionism Perspective: A challenge for sustainable development.

Czech Republic

Spatial Information Management in the Czech Republic

Denmark

Danish Spatial Data Infrastructure

The NSDI activity in Denmark - A status Report (October 2000)

Finland

National Plan Data System in Finland

Germany

Report from the Working Group 3.2. Spatial Data Infrastructure

The Spatial Information Management in the Cadastre and NSDI in North-Rhine Westphalia, Germany

Working Group 3.3: National Reports (2)

Greece

National Report: Existing Activity in Geoinformatics and the Need for a NSDI in Greece

Hungary

The Hungarian National Spatial Information Infrastructure

Israel

Spatial Information Infrastructures in Israel. Towards the 21st century

Korea

Institutional issues of the Spatial Data Exchange in Korea

Mongolia

Development of Spatial Data Infrastructure in Mongolia and its application to the "Millennium Road" project

Morocco

Perspectives of the National Spatial Data Infrastructure in Morocco

Namibia

Country Report

The Netherlands

Policy issues affecting Spatial Data Infrastructure Developments in the Netherlands

Dutch NGII on course: A practical approach on implementing a vision

Nigeria

National Geographic Information Structure for Sustainable Development in Nigeria

Working Group 3.3: National Reports (3)

Norway

"Norway Digital". A core fundament for value adding

Sweden

Spatial Data Infrastructure in Sweden

UK

Breakthrough in Revolutionary Services for Land and Property Transactions. Lessons learned in implementing a NLIS in the U.K.

USA

Improved policy for coordinating the Development of the National Spatial Data Infrastructure
The Global Spatial Data Model (GSDM): A new paradigm for Spatial Information

Zimbabwe

Systems thinking: An approach towards the Development of Spatial Data Infrastructures. Case of Zimbabwe

Working Group 3.3: Literature

- The SDI Cookbook
- The FIG Questionnaire on NSDI
- GSDI Legal and Economic Template Working Group: A Template for Reporting National Legal and Economic Issues affecting Spatial Data Infrastructure Developments
- Environmental European Data Infrastructure (E-ESDI)

Working Group 3.3: Proposed structure for Standardized Reports (1)

For a better organization of information, statistical analysis and future improvement of Com3 Web Inventory, FIG Com3 National delegates are kindly requested to:

- follow the following standardized structure for their Country Reports
- include any available information that is given by example in the following Sections (the level of contribution to each section is optional)
- update this information frequently

Working Group 3.3: Proposed structure for Standardized Reports (2)

Section 1: General information- basic statistical indicators

- Country area, population (optional)
- Brief description about education in geoinformatics
Post graduation courses-on going training in SIM
- The role of Surveyor in SIM
- Internet access and its increasing rate
- Main publications in the field (magazines, conferences)

Working Group 3.3: Proposed structure for Standardized Reports (3)

Section 2: Short description of the state of the art in NSDI -vision

- Has the government so far reached the consensus that NSDI is necessary for sustainable Land Administration?
 - No
 - Preparatory Stage
 - Legal Framework
 - Establishment of an agency
- Does a working system for SD exchange already exist at your country?
 - at national level
 - at local level
 - at experimental level
 - No
- Is there a responsible agency / organization?
 - Yes
 - No
 - Consultative Committee
- What are the budgets - recoverability perspectives?
- Is there a SIM policy? (access, pricing, privacy, liability, copyright)
- Description of existing problems, barriers (i.e. lack of infrastructure, education, funds, coordination, legal framework)

Working Group 3.3: Proposed structure for Standardized Reports (4)

Section 3: Legal Framework for NSDI

- Brief description of existing legislation for the establishment of responsible agency
operational regulation
strategy
- Partnerships-privatisation-customers
- Protection of databases, copyright, Internet services
- Existing Legislation relevant to Spatial Data

Section 4: Basic characteristics about NSDI organizations

- Web address
- Organizational plan
- Human resources
- Data providers/ users

Working Group 3.3: Proposed structure for Standardized Reports (5)

Section 5: Technical aspects of the data sharing system

- Software/hardware, data modelling, standards/technical specifications, metadata, updating frequency, data capturing/updating methods, quality control, geodetic infrastructure-control networks, reference systems, projections-
- Map series-scales-coverage
- Products, value-added products/services
- Clearinghouses, delivery mechanisms
- Accessibility
- Internet (data/services)

Working Group 3.3: Proposed structure for Standardized Reports (6)

Section 6: Pricing policy-financial issues

- Price of data-services
- Profit-self recoverability

Section 7: Future plans- strategies, and research activity within the agency

Section 8: International co operation, participation to international or transnational projects

Section 9: Identity data of the author, email address, references

Working Group 3.3: Links (1)

Global Spatial Data Infrastructure

<http://www.gsdi.org>

Delft University of Technology - Faculty of Civil Engineering and Geosciences

Department of Geodesy - Geo-information and Land Development

<http://www.geo.tudelft.nl/gigb/index1.html>

INSTITUTE OF GEODESY, CARTOGRAPHY AND REMOTE SENSING of BUDAPEST

<http://www.fomi.hu/internet/angol/Default.htm>

PROCIG - Central American Geographic Information Project

<http://www.procig.org/main.htm>

Federal Geographic Data Committee

<http://www.fgdc.gov/international/gsdi.html>

GSDI Catalog Servers

<http://edcw2ks20.cr.usgs.gov/scripts/esrimap.dll?name=fgdcregistry&Cmd=Map>

ESRI Global Map/GSDI Grant Program

<http://www.esri.com/industries/internationaldev/grants/description.html>

Permanent Committee on GIS Infrastructure for Asia & the Pacific

http://www.gsi.go.jp/PCGIAP/tech_paprs/gsdi_cnt.htm

Open GIS Consortium

<http://www.opengis.org/info/gisworld/techgsdi.htm>

GSDI 6 Conference - From global to local

<http://www.eurogi.org/gsdi6/index.html>

Bundesamt für Kartographie und Geodäsie

http://www.ifag.de/index_english.htm

Interministerial Committee for Geoinformation (IMAGI)

at the Federal Agency for Cartography and Geodesy in Frankfurt am Main

<http://www.imagi.de>

EuroGeographics

<http://www.eurogeographics.org>

Working Group 3.3: Links (2)

HELLENIC MAPPING & CADASTRAL ORGANIZATION

<http://www.okxe.gr/engprof.htm>

Ktimatologio S.A.

http://www.ktimatologio.gr/English/Home_en.asp

Department of Spatial Information Science and Engineering

GSDI Legal and Economic Working Group

<http://www.spatial.maine.edu/~onsrud/GSDIlegal.htm>

INSPIRE: INfrastructure for SPatial InfoRmation in Europe

<http://www.ec-gis.org/e-esdi/>

European Territorial Management Information Infrastructure

<http://www.ec-gis.org/etemii/>

Earth rotation and IERS

<http://www.iers.org/links/geo/>

GeoData Alliance

<http://www.geoall.net/>

Association Geographic Information Laboratories Europe

<http://www.agile-online.org/>

UN-ECE Documentation of Land Administration in Europe

http://www.bev.gv.at/service/publikationen/un_englisch/uno_index_2f.htm

Mathematical and Information Sciences

<http://www.cmis.csiro.au/sis/scada.htm>

National Coordination Office for Information Technology Research and Development

<http://www.ccic.gov/>

Digital Earth

<http://www.digitalearth.gov/>

G.I.News

<http://www.ginews.co.uk/>

Working Group 3.3: UN-WPLA/FIG Com3, Com7 joint workshop

**Joint Workshop: "Spatial Information Management for Sustainable
Development of Real Estate Market"
Best Practice Guidelines in Nation-wide Land Administration**

Athens, Greece 4-7 June 2003

The program of the Workshop will be devoted to the updating of the UN "Land Administration Guidelines" version 1996

Land Administration is defined as the process whereby land and the information about land may be effectively managed. The aim is to outline the benefit of having relevant and reliable land information system in place

Host Organizations

- The Technical Chamber of Greece is the main host Organization and sponsor of the Workshop
 - The Hellenic Association of Rural and Surveying Engineers and the
 - The "Hellenic Cadastre - KTIMATOLOGIO S.A."
 - National Technical University of Athens
- will also contribute to the Workshop organizational activities.

More Information will be available during the next months...