

FIG Congress in Washington, 19-26 April 2002

**COMMISSION 3
SPATIAL INFORMATION MANAGEMENT
WORK PLAN 2002 – 2006**

1. Title

Spatial Information Management.

2. Terms of Reference

- Management of spatial information on land, property and hydrographic facts (including related processes, procedures and resources);
- Spatial data infrastructure – data models, standards, availability and legal aspects;
- Management and transfer of knowledge and skills needed for Spatial Information Management (SIM);
- The impacts on organizational structure, business models, professional practice and administration;
- Management of spatial information supporting sustainable development, poverty reduction and environment protection.

3. Mission Statement

- Bringing awareness to successful SIM approaches in the “Information Age” by showing good practice like: “reliable spatial information for better decision making”. Decision makers on all levels expect reliable spatial information and not only maps
- Share good practice on the managerial processes and infrastructure needed for handling data, using information and sharing knowledge.
- Encouraging decision-makers for a more extensive use of spatial information also within good e-government and e-commerce.
- Criterion of success: to initiate and provide activities so interesting that colleagues will regard the commission as one base on their professional lives.
- Progress activities mainly through working groups (WGs) and Joint-WGs which will participate in the planning of workshops and short seminars held during and outside FIG working weeks; submit progress reports about these events.
- Present the final outcomes of Commission work as reports, statements and/or publications accessible also through the web.

4. General

Commission 3 –Working Groups (WG) focuses on contribution of spatial information for sustainable development. The elements for achieving this goal are on national level with contributions to “**e-Government and SIM**”; on international level with experience, best practice and clarification on needed infrastructure for GSDI. The WG on “**Knowledge in SIM**” provides the overarching principle for sharing and transferring knowledge achieved.

5. Working Groups

Working Group 3.1: e-Government and e-Citizen

Joint Working Group with Commission 5

Policy Issues

SIM is a facilitator for IT based services for administration as well as for citizens. By thus SIMS will have even the role of an integrator of components for a Spatial Information Infrastructure within an Information society.

- Tools for services for decision makers and citizens in participatory democracy
- Government – business – customers: relations and activities,
 - Integration and cooperation in distributed environment
- SIM and LBS in mass market - Consequences of a “Black Box” approach,
 - Individual vs. business in SIM
 - Mobile society
 - Making geo-database suitable for mobile phones
 - Improve basic references (geo-referencing, transport-internet)

Chair: Kari Strande (Norway), e-mail: kari.strande@statkart.no

Vice chair: Peter Laarakker (the Netherlands), e-mail: peter.laarakker@kadaster.nl

Specific projects

- This WG will in close cooperation with Commission 5 (as a Joint Working Group) provide answers to the way we go within SIM and LBS and the consequences for administration as well as citizens.

Spatial information supports citizens in participatory democracy.

Workshops

- Joint COM3/5-Workshop on Mobile Society: Location Based Services

Beneficiaries

Surveyors and citizens contributing to e-Government on a national as well as on local level and in general users of spatial data.

Working Group 3.2 – State of the art of SIM

Development and state of the art of SIM (worldwide analysis and best practice of institutional structures as well as contents of data bases) and establishing a FIG - metadata base about SDI

Policy Issues

- Institutional structures and Spatial Information Infrastructure
- Data available and Spatial Data Infrastructure
- Interdisciplinary and cooperation of different jurisdictions, disciplines, P-P-P

- Impact on organizing and business models as well as on procedures: layers of administrations

Chair: Dr. Chryssy Potsiou, Greece, e-mail: chryssyp@survey.ntua.gr
Vice chair: TBD in Washington

Specific projects

WEB-Inventory of best practice in regarding “State of the art of SIM”
Contribution to the joint activity with COM5 and 7 on “Low Cost Surveying Technology and Techniques for Developing Countries”.

Specific workshops

1 *symposium* on integrating advanced technology, joint with Commission 7.

Beneficiaries

Surveyors, Associations and users of spatial data and spatial information.

Working Group 3.3 – SIM Infrastructure

Policy Issues

- NSDI / GSDI: Spatial Data + Information Infrastructure
- modelling, geo-visualisation
- Legal aspects in SIM
- Interoperability, interdisciplinary and cooperation of different jurisdictions, disciplines and the public private partnership
- Standards Network on international (ISO/TC 211, OpenGIS Consortium, etc.) and on regional level.

Chair: TBD in Washington
Vice chair: TBD in Washington

Specific projects

Cooperation with ISO/TC211 and OpenGIS Consortium

Beneficiaries

Surveyors, Associations and users of spatial data and information.

Working Group 3.4 – Knowledge Transfer in SIM (education, training)

A Joint Working Group with Commission 2

Policy Issues

Integration of resources of FIG Com.2 and 3 using the experiences in knowledge transfer on one hand and the know-how of spatial information management on the other hand.

- Where to get knowledge, training etc.
- Not only data are needed and information is not yet knowledge. Infrastructure is changing quite fast, but also methods of training are changing because the “half-life-time” of knowledge becomes shorter.
- How to bridge tangible information with intangible knowledge.
- Cooperation between sister organizations, optimizing regional structures

Chair

Prof. Bela Markus (Hungary), e-mail: mb@cslm.hu

Vice chair: TBD in Washington.

Beneficiaries

Teachers and students within any education, learning and training environment.

6. Co-operation with Sister Associations and Inter-Commission Links

Cooperation on GSDI with GDSI and EUROGI

Commission 3 contributes to 6th GSDI Conference in Budapest, 16-19 September 2002

Cooperation on international standards on spatial data with ISO and OPENGIS

Especially promoting implementation of ISO TC211.

Contacts and cooperation with sister organizations

- ISPRS, especially with ISPRS-Commission IV-Spatial Information Systems and Digital Mapping (<http://www.commission4.isprs.org/>)
- ICA - International Cartographic Association: <http://www.icaci.org/>
- International Geographical Union, Commission on geographical Information Science (<http://www.hku.hk/cupem/igugisc/>)

Joint WG of Commissions 2 and 3: Knowledge in SIM

The aim is to integrate the resources of the members of FIG Commission 2 and 3 using the experiences of professionals in knowledge transfer from one side and the know-how of spatial information management (SIM) from the other side.

Break knowledge down into its basic components: Knowing *why* represents having a basic understanding of the reasons for facts, conditions, job responsibilities, client requirements,

etc. Knowing *what* means knowing the cause of a problem or condition. Knowing *where* provides a spatial reference to understanding. Knowing *how* is the critical element for problem solving, the knowledge of how to get something done. Knowing *when* provides a temporal reference and is closely tied to timing and opportunity development.

Joint WG of Commissions 3 and 5: e-Government and e-citizen including a joint Workshop: Mobile Society and Location Based Services – the way we go and the consequences

- SIM in mass market - the “Black Box” approach
- Individual vs. business in SIM
- Mobile society
- Making geo-database suitable for mobile phones
- Improve basic references (geo-referencing, transport-internet)

Joint Symposium of Commissions 7 and 3 on good practice on applying SIM

1 *symposium* on integrating advanced technology, jointly with Commission 7

7. Co-operation with United Nations agencies and others

1. FAO www.fao.org/
2. UN-Cartographic section: www.un.org/Depts/Cartographic/english/htmain.htm
3. UN-ECE-WPLA www.unece.org/env/hs/wpla/welcome.html
4. UN-ECA
5. ISPRS-COM4 and www.oeepe.org
6. PCGIAP Permanent Committee on GIS Infrastructure for Asia and the Pacific,
7. EUROGI European Umbrella Organisation for Geographic Information,
8. PC-IDEA Permanent Committee on SDI for the Americas,
9. GSDI, including a FIG-COM3-position paper for GSDI-conference Budapest
10. ISO-TC-211 and OGC

8. Other Activities

Active involvement of regions

Commission 3 will actively involve underrepresented regions like Africa, Latin America, Middle East, and Asia by exchanging information. Commission will try to reduce conference fees in order to enable or to encourage regional participation and try to raise money for funding participation of groups like students. Commission will also encourage participation by using e-mail and web.

Information delivery

Commission 3 has an ambitious approach on management of information and communication. This includes an active Commission3 home page, linkages to other relevant information and events in order to keep commission delegates and all FIG members informed about the work of the Commission (including former activities of secretary): Commission 3 Information Manager: Reinfried Mansberger

9. Calendar of events

19-26 April 2002	FIG Congress Washington, DC, USA
16-19 Sept. 2002	GSDI 6 Conference, Budapest (FIG-Com3-papers)
23-26 Sept. 2002	Commission 3 Annual Meeting at GIS-2002 Symposium in Istanbul linked with a Workshop on Mobile society
May 2003	FIG WW, Eilat, Israel
September/ December 2003	Commission 3 Annual Meeting (venue to be decided, Morocco?)
May 2004	FIG WW, Athens, Greece
September/ December 2004	Commission 3 Annual Meeting together with Commission 2 (venue to be decided, preference for Latin / South America)
May 2005	FIG WW, Cairo, Egypt
September/ December 2005	Commission 3 Annual Meeting (venue to be decided)
August 2006	FIG Congress, Munich, Germany

Candidates for events as known so far

Morocco (September/November 2003), Cambodia (February 2003)

Commission officers

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Gerhard Muggenhuber
Vice Chair of Commission 3
5.2.2002