

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

**1. Title**

Spatial Information Management (SIM).

**2. Terms of Reference**

- Management of spatial information on land, property and hydrographical 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 SIM;
- Impacts on organizational structure, business models, professional practice and administration;
- Management of spatial information supporting environment protection, sustainable development and poverty reduction.

**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.
- Supporting the use of SIM-tools for decision makers and citizens to support the goals of participatory democracy
- Share good practice on managerial processes and infrastructure needed for handling data, using information and distributing 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 as well as international level with contributions to “**e-Government and SIM**”; clarification on needed “**SIM infrastructure**” for GSDI; sharing experience best practice with „**State of the art of SIM**“. 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

Interactive Information Flow between providers, partners and customers (PPP).

#### 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.

- Services and workflows for decision makers and citizens in participatory democracy
- Government – business – customers: relations and activities
- Integration and cooperation in a distributed environment
- Individual vs. business in SIM
- Mobile society
- SIM and LBS in an e-Government context

#### Chair

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

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

#### Specific projects and outputs

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

- Report on good practice of Spatial Information within e-Government supporting citizens in participatory democracy
- Facilitate experience exchange
- Show consequences for administration and citizens of SIM and LBS accessible on the web
- Provide recommendations to the way we go within SIM and LBS
- Provide links to information and minutes of workshops
- Work out a Web-demo, if supported by OGC, ESRI or other sponsors

A detailed work plan with milestones will be published on the website of Commission 3.

#### Workshops

- Workshop on Mobile Society and Location Based Services in an e-Government context

#### Beneficiaries

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

## **Working Group 3.2 – SIM infrastructure**

Harmonization of data, information, tools (LBS) and workflows as components of GSDI.

### Policy Issues

- NSDI / GSDI: Spatial Data + Information Infrastructure
- modelling, geo-visualisation
- Legal aspects in SIM
- Standards Network on international (ISO/TC 211, OpenGIS Consortium, etc.) and on regional level.
- SIM and LBS as tools:
  - Making geo-database suitable for mobile phones
  - Improve basic references (geo-referencing, transport-internet)
  - Role of surveyors in LBS
  - Share current experiences and technical visions of the future.
  - Gain knowledge from industry.
  - Inform future decisions and implementations.
  - Inform the big picture on drivers, trends and technologies.

### Chair

Keith Murray (United Kingdom), e-mail: [KMurray@ordsvy.gov.uk](mailto:KMurray@ordsvy.gov.uk)

Co-chair: Martin Scheu (Germany), e-mail: [scheu@grit.de](mailto:scheu@grit.de)

### Specific projects and outputs

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

- Contribute to the Inter-Commission activity (COM3, 5 led by COM3): on **“Mobile society and Location based services”**
  - Co-Chair of Commission 3: Keith Murray (UK), e-mail: [KMurray@ordsvy.gov.uk](mailto:KMurray@ordsvy.gov.uk)
- Contribute to the Inter-Commission-cooperation on **“Standardization“**
  - Co-Chair of Commission 3: Martin Scheu (Germany), e-mail: [scheu@grit.de](mailto:scheu@grit.de)

A detailed Work plan with milestones will be published on the web site of Commission 3.

### Workshops

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

### Beneficiaries

Surveyors, associations engaged with spatial data and users of spatial data and spatial information.

### **Working Group 3.3 – State of the art of SIM**

Development and State of the Art of SIM (analysis of the nation-wide activity in SIM among participating countries, and world-wide picture and best practice of institutional structures, as well as contents of data bases) and establishment of a FIG - metadata base about SDI.

#### Policy Issues

- To increase cooperation between different jurisdictions, disciplines, professional groups, Public-Public and Public-Private-Partnerships
- To positively influence organizing and business models as well as procedures on different 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 A detailed work plan with milestones will be published on the web site of Commission 3.

- Com3
- To facilitate the development of NSDIs

#### Chair

Chryssy Potsiou (Greece), e-mail: chryssyp@survey.ntua.gr

Co-Chair: Uzo Okafor (Namibia), e-mail: uzookaf@mweb.com.na

#### Specific projects and outputs

Based on cooperation with other WG 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 site WEB-Inventory of best practice in regarding “State of the art of SIM”
- Show good practice on the managerial processes
- Share and provide experiences in SIM and NSDI
- Contribute to the Inter-Commission activities
- Contribute to the Inter-Commission activity (COM3, 5, 7, led by COM5) on **“Low Cost Surveying Technology and Techniques for Developing Countries”**.

Co-Chair of Commission 3: Chryssy Potsiou (Greece), e-mail: chryssyp@survey.ntua.gr

A detailed work plan with milestones will be published on the web site of Commission 3.

#### Workshops

- Joint Workshop: UN/ECE-WPLA, FIG Com3 and Com7 on "Spatial Information Management for Sustainable Real Estate Market - Best Practice Guidelines in nation-wide Land Administration“ will be held in Athens, Greece, 4-7 June 2003

#### Beneficiaries

Surveyors, associations engaged with spatial data and users of spatial data and spatial information.

## **Working Group 2.4 – 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 fastly, but also methods of training have to be adopted 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 (appointed by Commission 2)

Co-Chair: Mohammed Timoulali (Morocco), e-mail: timoulali@atlasnet.net.ma (appointed by Commission 3)

#### Specific projects and outputs

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

- Develop methods and share experience on **education and training in SIM**
- Develop a position paper on a regional approach for a NSDI.

#### Workshops

- Joint COM2/3-Workshop on “**Education and Training in SIM**”

#### Beneficiaries

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

Integration of COM2 and COM3 resources using the experiences of professionals in knowledge transfer from one side and the know-how of spatial information management (SIM) from the other side.

## 6. Co-operation with Sister Associations

### Cooperation on Spatial Information Management for Sustainable Real Estate Market with UN-ECE-WPLA

Commission 3 contributes to the joint UN/ECE-WPLA and FIG Workshop in Athens, 4-7 June 2003.

### Cooperation on GSDI with GDSI and EUROGI

Commission 3 contributes to 6<sup>th</sup> 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/>)

## 7. Inter-Commission Activities

### Joint WG of Commissions 2 (lead) and 3 on: “**Knowledge in SIM**”

Co-Chair of Commission 3: Mohammed Timoulali (Morocco), e-mail: [timoulali@atlasnet.net.ma](mailto:timoulali@atlasnet.net.ma)

Contribution to the Inter-Commission activity (Commissions 3 and 5 leaded by Commission 3): on “**Mobile society and Location based services**”

Co-Chair of Commission 3: Keith Murray (United Kingdom), e-mail: [KMurray@ordsvy.gov.uk](mailto:KMurray@ordsvy.gov.uk)

Contribution to the Inter-Commission-cooperation on “**Standardization**”

Co-Chair of Commission 3: Martin Scheu (Germany), e-mail: [scheu@grit.de](mailto:scheu@grit.de)

Contribution to the Inter-Commission activity (Commissions 3, 5 and 7, leaded by Commission 5 on “**Low Cost Surveying Technology and Techniques for Developing Countries**”.

Co-Chair of Commission 3: Chryssy Potsiou (Greece), e-mail: [chryssyp@survey.ntua.gr](mailto:chryssyp@survey.ntua.gr)

Contribution to the Inter-Commission activity (Commissions 3 and 7, leaded by Commission 7) on “**3D-Cadastre**”

- Achieving a common understanding of the terms and issues involved in a 3D-Cadastre.

- Integrating advanced Spatial Information Management with legal and organizational settings needed for a 3D-Cadastre.
- Developing the frame and strategy for an ongoing improvement process of existing spatial information considering additional dimensions of geodata (3rd dimension, temporal data, etc.).

Co-Chair of Commission 3: Yerach Doytsher (Israel), e-mail:

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## **8. Co-operation with United Nations agencies and others**

1. FAO [www.fao.org/](http://www.fao.org/)
2. UN-Cartographic section: [www.un.org/Depts/Cartographic/english/htmain.htm](http://www.un.org/Depts/Cartographic/english/htmain.htm)
3. UN-ECE-WPLA [www.unece.org/env/hs/wpla/welcome.html](http://www.unece.org/env/hs/wpla/welcome.html)
4. UN-ECA
5. ISPRS-COM4 and [www.oepe.org](http://www.oepe.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

## **9. 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.

### Respect cultural and linguistic issues

Commission 3 endorses the underlying concept that respect for Cultural and Linguistic issues is very important and that the Commission will be sensitive to these issues in the way it works. This will be implemented by encouraging multilingual abstracts and presentations in general meetings and through the use of an appropriate regional language during regional meetings.

### Information delivery

Commission 3 has an ambitious approach on management of information and communication. This includes an active Commission 3 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 Vice-Chair for Administration and Information: Reinfried Mansberger (e-mail: [mansberger@boku.ac.at](mailto:mansberger@boku.ac.at)).

## **10. Calendar of events**

### **2002**

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

### **2003**

2003                      FIG Working Week, Paris, 13-17 April 2003  
4-7 June 2003          UN/ECE and FIG joint Workshop, Athens (FIG Com3, Com7)  
Dec. 2003                Commission 3 Annual Meeting (Morocco)

### **2004**

May 2004                FIG Working Week, Athens, Greece  
Sept.-Dec. 2004        Commission 3 Annual Meeting (TBD, preference for Asia)

### **2005**

May 2005                FIG Working Week, Cairo, Egypt  
Sept.-Dec. 2005        Commission 3 Annual Meeting (TBD, preference for Latin / South  
America)

### **2006**

August-September 2006      FIG Congress, Munich, Germany

## **11. Commission officers**

### **Commission Chair**

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**Chair Working Group 3.1 – e-Government and e-Citizen**

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**Chair Working Group 3.3 – State of the art of SIM**

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