

INTERNATIONAL CONFERENCE: SDI & SIM 2013

Spatial Data Infrastructures & Spatial Information Management 2013

And Commission 3 Annual Meeting

13-16 November 2013, Skopje, FYROM

The 2013 Annual 'FIG Commission 3' Workshop and Meeting is joined by the 'FIG Task Force on Property and Housing' (FIG-TF-PH) and the 'South-East European Research Association on Geo-Sciences' (Geo-SEE) to form the first International Conference on Spatial Data Infrastructures (SDIs) and Spatial Information Management (SIM).

Organizers

The organizers of this joint annual conference are:

- International Federation of Surveyors (FIG) – Commission 3 (**FIG-COM3**)
- International Federation of Surveyors (FIG) – Task Force on Property and Housing (**FIG-TF-PH**)
- South-East European Research Association on Geo-Sciences (**Geo-SEE**)

Co-organizer

Co-organizer organizations and supporters will be decided until September 2013, by invitation from the organizers or by request.

On November 15 the General Assembly of the European Group of Surveyors (**EGoS**) will be held in parallel with technical sessions of the conference. EGoS will be one of the conference co-organizers, publishing the conference call on their web page.

Main planned conference themes are:

- Spatial Data Infrastructures (SDIs), and
- Spatial Information Management (SIM)

The conference will be focused on the importance and usage of SDIs and SIM on local, national and regional level, with association to global initiatives. Targeting



the process of spatial data sharing through the Internet, as a tool for faster, easier and simpler access to spatial data by all stakeholders, customers and clients; the implementation of International-Global and European criteria for organizing digital spatial data; the impact of spatial information on all application fields; cooperation between stakeholders, such as state institutions responsible for collecting, structuring, archiving, updating and analyzing spatial data, according to their legal mission and obligation.

Conference themes include (but not limited to):

▪ Spatial Data Infrastructure

1. Sub-national, national, regional, continental and global SDIs
2. Scientific aspects of SDIs and their development
3. Methodologies for SDI development, update and upgrade
4. Technologies and standards
5. Architectures of SDIs
6. Data, data specifications, data organization and exchange mechanisms and protocols
7. SDI metadata and spatial coordinate systems
8. Building and organization of SDIs
9. Integration, interoperability and compatibility of SDI's developed by different platforms
10. Legal aspects of SDI developing and utilization
11. European INSPIRE development and implementation
12. Pan-European geographic datasets
13. Global mapping
14. SDI as necessary tool of cartography
15. Applications of SDI in various sectors such as government, telecommunications, utilities, cadastre, land management, environment and nature protection, disaster management, climate changes, Earth structure, physical and urban planning, tourism and others
16. Education, training and awareness creation
17. Developments of open source SDIs
18. SDIs based on Crowdsourced Volunteered Geographic Information (VGI) and applications

▪ Spatial Information Management

1. E-government and SDIs: managing information spatially; theory, applications and best practice studies
2. The significance of reliable SDIs as the necessary tool for managing the regional and local authorities' services settings, establishing the basis for their vitality and “openness to change”



3. Land management tools and innovative spatial information solutions addressing global and national challenges
4. Social, technical and legal aspects related to the emerging of informal settlements
5. Legal access to affordable land, and the importance of legal and social informal settlements data
6. Legalization, land privatization, affordable planning and affordable housing provision for low and middle income families
7. Provision of reliable information about land, property and the built environment: ownership rights, value, spatial information
8. Regulations and land development procedures in supporting the economy
9. SDI for fresh-water and energy supply, waste management, informal settlements management, planning, transportation, pollution and crime control
10. Innovative land tools and policies to attract investment, optimize real property taxation, support valuation, and provide tools for affordable planning, housing and financing; answering current needs and supporting property markets
11. Harmonization of spatial data at all levels; interoperability aspects of standards and technical solutions; development and implementation of feasible metadata concepts
12. Possibilities of spatial urban data capture, structure, use, discovery, integration and exchange: community-based data collection; the use of social media; appropriate land tools, software, and geospatial data sources
13. Integration of spatial data: cadastre, agriculture, forestry, environment, spatial planning, 3D city modeling, utilities, public land management, VGI, crowd-sourcing, community based data collection, socio-economic data
14. Urban environment information handling and managing for sustainable development: real estate management, BIM, green real estate, eco-friendly planning
15. Multiple use of spatial data to support citizens' interests, stabilize the economy and support sustainable development of the built environment, and identify the increased role of the private sector
16. Business models in the context of SDI and cadastre; process view (data collection, maintenance, handling, provision); private and public partnership, privacy aspects, security aspects
17. The future of SDIs in climate change, risk prevention, economic crisis management

▪ **Task Force on Property and Housing – country reports**

1. Institutional development (housing framework, land administration: mortgages/tenure protection, construction industry and planning regulations)



2. Improvement of coordination of various players of land, real estate and housing sector (civil society, business, government, inter-governmental organizations)
3. Adoption of effective policies (land and housing administration, finance, construction, old/abandoned real estate, energy efficiency, quality)
4. Land tool development to address poverty and inclusion, and to support human dignity (such as development of green housing/development of affordable housing)
5. Technical tools to support the above policies (e.g., 3D city modeling , BIM, etc)

Paper submission

All submitted papers should be focused on the above aspects directly. Please pay particular attention to research methods, key results and language. FIG template should be used. Two channels for submitting papers are available:

Full paper refereed channel

| | |
|---|-------------------|
| Full paper submission deadline: | 31 July 2013 |
| Notification of acceptance for presentation: | 15 August 2013 |
| Notification of acceptance through the peer review: | 30 August 2013 |
| Revised full paper submission for second review: | 30 September 2013 |
| Notification of the second full-paper peer review: | 15 October 2013 |
| Submission of camera ready version: | 22 October 2013 |

Those interested in peer-reviewed papers should declare it in advance when submitting the full paper. Papers submitted in this channel (approximately 6000 words) must not have been accepted for publication elsewhere or be under review for another workshop or conference.

Abstract refereed channel

| | |
|---|-------------------|
| Extended abstract submission deadline: | 31 July 2013 |
| Notification of acceptance for presentation: | 15 August 2013 |
| Full paper submission deadline: | 30 September 2013 |
| Notification of the full-paper for the proceedings: | 15 October 2013 |
| Submission of camera ready version: | 22 October 2013 |

The abstract should be 350 to 500 words in length describing the objectives, results, conclusions and significance of your work (relevant artwork can be embedded). Please note that in order for the research to be presented and included in the proceedings, full paper version should be submitted on time.



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<http://conf2013.geo-see.org>

Submit your paper to:

https://www.easychair.org/account/signin.cgi?conf=fig3-2013_geosee

Proceedings:

Proceedings of papers approved for presentation after the review process will be published pre conference as hard copy and/or in CD/USB).

Programme

A first, general indication of the programme:

12 November 2013 (evening): Welcome Reception

13-15 November 2013: Technical Sessions

16 November 2013: Technical Tour

Venue: TBD, Skopje, FYROM.

Accommodation: List of Hotels in the close vicinity of the venue will be available soon.

Registration fees (*)

| | Until 30.09.2013 | From 01.10.2013 | Included |
|-----------------------------|-----------------------------|----------------------------|---|
| Full registration | 250 Euro | 300 Euro | All materials, access to all sessions, welcome reception, coffee breaks and lunches |
| Accompanying persons | 150 Euro | 200 Euro | Access to all sessions, welcome reception and coffee breaks |
| Students | 100 Euro | 150 Euro | All materials, access to all sessions, welcome reception, coffee breaks and lunches |
| One day registration | 100 Euro | 150 Euro | All materials, access to all sessions, welcome reception, coffee breaks and lunch |
| First author | 200 Euro | | All materials, access to all sessions, welcome reception, coffee breaks and lunches |

(*) each registrant can present one paper only; registration is mandatory for paper to be included in proceedings.



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Additional payments are:

- + Gala Dinner - TBD
- + Technical Tour - TBD

Details for registration fee payment:

| | |
|---|---|
| Bank name | NLB Tutunska banka AD Skopje |
| Bank address | Str. Djon Kenedi, 25/1 -d3 1000 Skopje, FYROM |
| SWIFT | TUTNMK22 |
| Beneficiary – account holder | Geo-SEE (South East European Research Association on Geo Sciences) |
| Beneficiary address | Str Vodnjanska br.1, 1000 Skopje, FYROM |
| IBAN | MK07210701000758254 |
| Account No. (for local citizens) | 210-0657617601-07 |
| Remittance information | SDI&SIM – First author |
| | SDI&SIM – Student |
| | SDI&SIM – Full registration |
| | SDI&SIM – Accompanying person |
| | SDI&SIM – One day registration |
| Details of charges | OUR |

Contact details:

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