



International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 3

Spatial Information Management



FIG Commission 3 Workshop

"Geospatial Crowdsourcing and VGI: Establishment of SDI & SIM"

And Commission 3 Annual Meeting

4-7 November 2014, Bologna, Italy

Official workshop homepage: <http://com3fig.wix.com/fig-commission3-2014>

Objectives

The mission of FIG Commission III is to study the impact of Spatial Information Management (SIM), Spatial Data Infrastructures (SDIs), and spatial planning tools on economic, social and environmental aspects of local authorities in general, and on the empowerment of local authorities in particular. Investigating the international knowledge and practice on how surveyors may assist real estate markets, good governance, environmental management and planning initiatives by providing reliable spatial and relevant infrastructures.

The past five years have witnessed an overwhelming transformation in the way that geographic data, information, and knowledge are produced and disseminated. The term Volunteered Geographic Information (VGI) encapsulates the idea of using the internet to create, share, visualize, and analyze geographic information and knowledge, envisioned via the use of numerous users, computing devices and platforms. A neogeography revolution that have started to fundamentally transform how geographic data are acquired, maintained, analyzed, visualized, and consequently – used, encompassing new services to take place, and applications and processes to be developed.

The aim of this workshop is to study the impact of volunteered and crowdsourced geospatial data and information in terms of SDIs and SIM. Among others, managing the built environment, monitoring the legalization process and progress of land, property registration, planning reforms. Emphasize will be given to the understanding and assessment of the authenticity, validity, and uncertainty of VGI and crowdsourced procedures, in transforming it to a valuable, trustworthy, and usable component for SDI and SIM that are related to practical applications with the appropriate reference frameworks, standards, models and analytical approaches.

In addition, the aim is to investigate the international knowledge and experience on how such working methodologies in the hand of citizens and the surveyors assist good governance, efficient operations of property markets, affordable planning, affordable housing, and appropriate environmental management - by providing innovative and reliable land tools and spatial information solutions addressing global challenges.



International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 3

Spatial Information Management



This workshop will provide an opportunity to discuss acquisition, synthesis, integration, use, archiving, and the place of VGI and crowdsourcing in SDI and SIM workflows.

Topics

While the workshop focus is on effective utilization of VGI within the framework of SDI and SIM, a larger number of topics of interest related to VGI and crowdsourcing will be discussed. Topics include but are not limited to:

- Utilization of VGI and crowdsourcing with SDI, SIM and environmental information
- VGI collection, dissemination, analysis, maintenance, and visualization
- Land management tools and innovative spatial information solutions addressing global and national challenges
- E-government and SDIs: managing information spatially; theory, applications and best practice studies
- The significance of reliable SDIs necessary tool for managing authorities' services settings, establishing the basis for vitality and "openness to change"
- VGI interoperability standards, uncertainty, authenticity, validity
- Applications of VGI in managing the built environment, legalization monitoring, property registration, planning reforms
- Participatory mapping and citizens science – case studies and processes
- Case studies in Italy, e.g., "Arcades" of Bologna, World Heritage (UNESCO)

Paper Submission

It is very important that all submitted papers focus on the workshop theme and topics. All papers submitted through the EasyChair system. Two channels for submitting papers are available:

Full paper refereed channel

Full paper submission deadline:	7 September 2014
Notification of acceptance for presentation:	14 September 2014
Notification of acceptance through the peer review:	28 September 2014
Final revised paper submission deadline:	12 October 2014

Papers submitted in this channel (approximately 6000 words in English) must present significant scientific results. Manuscripts must describe original work that has neither been published before, nor is currently under review elsewhere.

High-quality submissions will be published in an international scientific journal.



International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 3

Spatial Information Management



Extended abstract refereed channel

Extended abstract submission deadline:	7 September 2014
Notification of acceptance for presentation:	14 September 2014
Full paper submission deadline:	12 October 2014

The extended abstract should be 350 to 500 words in length (in English) describing the objectives, results, conclusions and significance of your work (relevant artwork can be embedded). Please note that full paper is to be submitted after acceptance for presentation.

Submit your paper to

Please submit papers through the EasyChair Conference Management System, via <https://www.easychair.org/conferences/?conf=fig32014>.

Programme

A first, general indication of the programme:

4 November 2014 (evening): opening and welcome cocktail

5-7 November 2014: technical sessions

8 November 2014: technical tour

Venue

Nh Bologna de la Gare, Piazza XX Settembre, 2 – 40121, Bologna, Italy.
www.nh-hotels.com

Accommodation

Nh Bologna de la Gare, Piazza XX Settembre, 2 – 40121, Bologna, Italy.
www.nh-hotels.com
(list of hotels will be published on workshop website)

Registration Fees

(Including the welcome cocktail, lunches, and coffee breaks during the four days of technical sessions – 5-7 November 2014):

Early bird registration fees **250€**

Full registration **300€**

Student registration **150€**

Early Bird registration ends 1 October 2014



International Federation of Surveyors
Fédération Internationale des Géomètres
Internationale Vereinigung der Vermessungsingenieure

FIG COMMISSION 3

Spatial Information Management



Commission Chair

Prof. Yerach Doytsher

Technion – Israel Institute of Technology

Haifa, Israel

Tel. +972-4-829-3183 Fax +972-4-829-5708

E-mail: doytsher@technion.ac.il

Local Organizing Committee

Consiglio Nazionale Geometri e Geometri Laureati

Piazza Colonna, 361 – 00187

Tel. +39064203161, Fax. +390648912336

E-mail: m.scorza@cng.it

Vice Chair of Administration

Dr. Sagi Dalyot

Technion – Israel Institute of Technology

Haifa, Israel

Tel. +972-4-829-5991

E-mail: dalyot@technion.ac.il