



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

ANNUAL

REVIEW

2012



Greeting from the President

By Mr. CheeHai Teo, President of the International Federation of Surveyors



**“Engaging the Challenge:
Enhancing the Relevance”**

FIG motto 2011–2014

As a United Nations and the World Bank Group recognized non-governmental organization, FIG is seeking to collaborate and to ensure that the disciplines of surveying and all who practise them are relevant and meeting the needs of both the community and the market in which we are present.

This worldwide professional community measures, maps, estimates, costs, values, assesses, models, plans and manages the natural and built environment for the effective planning and efficient administration of the land, the seas and any structures thereon.

Within FIG, our current work plan is driven by a vision of a profession, armed with knowledge and best practices, extending the usefulness of surveying for the benefit of society, environment and economy, increasingly positioned in significance and relevance, next door to everywhere.

In 2012 FIG Council continued to deliver the adopted Council Work Plan with its three key pillars that are explained in the FIG Work Plan 2011–14. This Annual Review covers the activities of FIG over the year being reviewed and includes the ten FIG Commissions, the four FIG Task Forces, the two FIG Networks as well as the two permanent institutions and FIG Foundation.

2012 remained an eventful and busy year for FIG, with the First FIG Young Surveyors Conference and the 2012 FIG Working Week in Rome, Italy as well as the 8th FIG

Regional Conference in Montevideo, Uruguay. In addition, there are the host of activities and events at the Commissions, Networks and Task Forces level as well as collaborative activities with our Partners and our many active members around the world.

On behalf of the global community of surveyors and the FIG membership, I wish to thank all who have unselfishly contributed, resourced and supported these activities and achievements under review, continuing to enhance the significance and relevance of our Profession.

**CheeHai Teo
President**

FIG Work Plan (2011–2014)

“Engaging the Challenge: Enhancing the Relevance”

The Vision

A Profession, armed with knowledge and best practices, extending the usefulness of surveying for the benefit of society, environment and economy, increasingly positioned in significance and relevance, next door to everywhere.

The Roles

FIG’s activities are governed by a work plan, which is approved by the General Assembly and reviewed by Council as its tenure progresses. The current work plan titled “Engaging the Challenge: Enhancing the Relevance” guides Council, Commissions, Networks and Task Force activities, and focuses the surveyor’s response to the challenges faced by humanity at these times while seeking significance and relevance. FIG recognizes that surveying sciences and technologies, surveying knowledge and practices pursue common good. The present Council continues building on past efforts and work on extending the progress, achievements and global standing towards the betterment of society, environment and economy and thus enhancing the significance, role and relevance of the profession.

This thrust is to be addressed through the activities at all levels, the Council, the ten Commissions, the four Task Forces, the two Networks as well as the FIG Foundation and Permanent Institutions. By engaging the challenges of the times, the profession continues the race to the top when the significance and relevance of surveying is enhanced in every sphere and jurisdictions that the profession has a presence.

During the term of office 2011–2014 the FIG Council is mindful of the need to:

- engage the membership to further strengthen the standing and prestige of the profession and the Federation as well as that of our members,
- continue engaging global challenges in partnership with UN agencies and the World Bank as well as sister and allied organizations, and
- enhance the significance of surveying, promote the profession’s relevance and extend the usefulness of surveying for the benefit of society environment and economy.

These will be underpinned by careful management, and fiscal prudence and restraints to ensure the sustainability of the Federation’s delivery and membership services, administration and finances.

Engaging the Membership



FIG fanfare being played at the first session of the General Assembly in Rome.

XXXV General Assembly 2012

Rome, Italy, 6–10 May

FIG General Assembly 2012 was held during the Working Week in Rome, Italy. 71 member associations were present at the two sessions of the General Assembly alongside 350 delegates representing all categories of FIG membership attended the General Assembly.

The items that created more excitement at the General Assembly were the election of two Vice Presidents for 2013–2016, the election or confirmation of Commission Chairs Elect for 2013–2014 whom under normal conditions will

become Commission chairs for 2015–2018 and the selection of the venue for FIG Working Week in 2015 and 2016.

The 2012 General Assembly saw the election of Bruno Razza (CNGeGL, Italy) and PengFei Cheng (CSGPC, PR China) as Vice Presidents for the term 2013–2016. In addition, the following were elected or confirmed as chair-elects –

- FIG Commission 1 – Brian J. Coutts (NZIS, New Zealand) (elected)
- FIG Commission 2 – Liza Groenendijk (GIN,

- The Netherlands)
- FIG Commission 3 – Enrico Rispoli (CNGeGL, Italy)
- FIG Commission 4 – Angela Kesiena Etuonovbe (NIS, Nigeria)
- FIG Commission 5 – Volker Schwieger (DVG, Germany)
- FIG Commission 6 – Ivo Milev (USLMB, Bulgaria)
- FIG Commission 7 – Gerda Schennach (OVG, Austria) (elected)
- FIG Commission 8 – Kwame Tenadu (GHS, Ghana) (elected)
- FIG Commission 9 – Liao Jinping (Patrick) (CIREA, PR China).

The General Assembly selected Sofia, Bulgaria for the 2015 FIG Working Week to be co-organized with the Chamber of Graduated Surveyors Bulgaria and Christchurch, New Zealand for the 2016 FIG Working Week to be co-organized with the New Zealand Institution of Surveyors.

The Working Week will also be remembered for its deliberations and decision on an appropriate voting structure for FIG. The 2012 General Assembly in Rome unanimously adopted the recommendations from the Working Group on Voting Rights (that was convened by the 2011 General Assembly in Marrakech).



Geom. Fausto Savoldi, President of CNGeGL, making his welcome address at the opening ceremony.



The Foundation Dinner was followed by a concert by Al Bano. Surprise guest star was Maria Scicolone.



The Working Week 2012

Rome, Italy, 6–10 May

The Working Week in Rome, Italy from 6th to 10th May 2012 with the general theme “Knowing to Manage” included the XXXV General Assembly, a three-day technical program and an exhibition. The event was co-organized with the local member association, *Consiglio Nazionale Geometri e Geometri Laureati, CNGeGL, Italy*. The technical program had in excess of 100 sessions with close

to 500 presentations. FAO was the main partner and collaborative activities included a joint full day workshop as well as a visit to and seminar at FAO Headquarters. FIG also collaborated with GLTN (UN-Habitat) including sessions with grass root organizations and other Partners within GLTN’s professional cluster. There was also a session on Professional Women in Surveying.

The local organizers from CNGeGL at the opening ceremony and beautiful concert.

The Working Week in Rome was another well-attended and supported event with just over 1,500 participants from 96 countries, making it the biggest Working Week in FIG history.

Engaging the Membership



2012 FIG President's or Heads of Delegations Meeting.

Opening ceremony

The opening ceremony and the following concert were held at the Giuseppe Sinopoli Hall within the cultural center of Rome, *Parco della Musica*. This cultural complex includes three auditoriums, museums, restaurants etc. and is designed by architect Renzo Piano. More than 1,100 participants filled the Hall and listened to welcome greetings by the representatives of the Italian Government and the Mayor of Rome together with speeches by the Presidents of CNGeGL and FIG. President CheeHai Teo in his opening address stated that the *"Profession is now firmly in the continuum paradigm. We embraced the Continuum of Land Rights, we know we must adopt a continuum of approaches, a continuum of technologies and technological sophistication, a continuum of accuracies. We understand that we have to progress beyond*

securing tenure rights for all into land valuation and taxation, land development and construction and the land market."

Plenary sessions

The Working Week included three plenary sessions addressing the three different aspects of the conference theme namely Knowledge to Manage; Knowledge to Protect; and Knowledge to Evaluate.

The first session *"Knowledge to manage"* included presentations from Maurizio Gasparri, past Minister of Communications and Head of PDL (Italian Political Party) in the Senate of the Italian Parliament. The professional input from Italy was provided by Franco Maggio, Director, Agenzia del Territorio who spoke about the Italian Cadastre and the Real Estate Taxation. The third speaker was Prof. Orhan Altan, President of ISPRS, who also represented FIG's sister organizations. He spoke about the use of geospatial information for present day disaster management. This was also one of the main sub-themes of the technical programme including a special session on the Great East Japan Earthquake as well as experiences from New Zealand, Italy and Turkey.

The second plenary session *"Knowledge to Protect"* included a presentation from the main partner FAO. Alexander Mueller, Assistant Director General, Natural Resources Management and Environment Department, FAO spoke about the Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in

the Context of National Food Security. Incidentally, the voluntary guidelines were endorsed by the Committee of World Food Security at its thirty-eight (special) session on 11 May 2012 in Rome, immediately after the FIG Working Week. Mr. Mueller thanked FIG for its contribution in preparing the guidelines – one regional consultation was incorporated into 7th FIG Regional Conference in Vietnam – and challenged all professionals to support the implementation of the guidelines. Prof. Thoene, President of DVW in his presentation, spoke of the multi-faceted roles of the surveyor and the need for surveyors and surveying associations to address environmental issues resolutely. Norbert Lantschner, Past Director, Clima Haus spoke on the need to address climate change with sustainable and innovative buildings.

The last plenary session *"Knowledge to Evaluate"* included presentation from Mario Resca, General Manager, Evaluation of the Cultural Heritage who in his presentation spoke about projects to increase visitors and awareness of Italian cultural museums. Fabio Remondino from FBK, Italy made an excellent presentation on using 3-D surveying and modelling Technologies for the digital preservation of cultural heritage sites. The last speaker was President of RICS (2011–2012) See Lian Ong bringing an insight to building information modelling for the preservation of the built environment.

► Read more: www.fig.net/fig2012

First Young Surveyors Conference

Rome, Italy, 4–5 May

The inaugural Young Surveyors Conference with the theme *"Knowing to Create the Future"* was held prior to the Working Week in Rome (4th & 5th May, 2012) and gathered about 120 young surveyors from 40 countries. One item to note is the prominence and use of social media during the Conference, where the Network was able to reach out to many within the Network scattered at differing localities. These online chats, tweets and online forums added to the vibrancy of the discussions at the Conference.

Participants expressed the desire to increase young surveyor participation in the FIG Commissions, to provide a voice for young surveyors in the future of the profession and FIG, and to offer a more informal platform for presenting and networking than the traditional FIG conference format. The outcome of the conference was that:



Young Professionals, all equipped with Trimble hats, filled the auditorium of Cassa Geometri to share experiences and learn from each other and from "oldies".

- FIG and Member Associations can best support young surveyors by devolving responsibility to young surveyors and supporting their engagement with the FIG.
- Young surveyors think the benefits of FIG are the opportunities provided through networking, knowledge-sharing, advocacy

- and professional standards
- The priorities for the FIG Young Surveyors network are communication, connections, motivation and inspiration.

► Read more: www.fig.net/news

Engaging the Membership



Participants from Latin America and all over the world at the 8th FIG Regional Conference filling up the staircase to the conference area.



8th FIG Regional Conference

Montevideo, Uruguay, 26–29 November

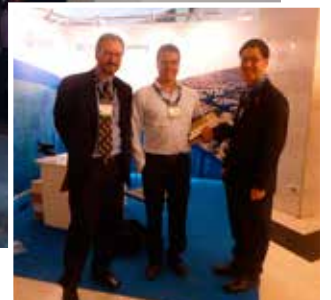
The 8th FIG Regional Conference with the theme “Surveying towards Sustainable Development” was hosted by Asociación de Agrimensores del Uruguay (AAU) in Montevideo from 26th – 29th November 2012. More than 250 participants from 33 countries, mainly from Latin America participated in the conference that was co-sponsored by UN-HABITAT/GLTN, OAS and the World Bank. This regional conference continues FIG’s engagement with the region, and the primary focus of both the plenary and parallel technical sessions was on the Latin American region. Participants, both from within the region and the world over, engaged in varied discussions, capitalizing on the diversity within FIG. FIG Foundation played an active and supportive role, by sponsoring five young surveyors, and giving them the opportunity to participate in the Regional Conference.

► Read more: www.fig.net/uruguay

FIG Commission Chairs and Chairs Elects met in Uruguay. From left Kate Fairlie Young Surveyors, Steve Frank Com 2, Yerach Doytsher Com 3, Maria Scorza representing Enrico Rispoli Chair Elect Com 3, Volker Schwieger Chair Elect Com 5, Ivo Milev Chair Elect Com 6, Mikael Lilje Chair Com 5, Gerda Schennach Chair Elect Com 7, FIG VP Dalal Alnaggar, Daniel Roberge Com 7, Frances Plimmer Com 9, incoming VP Bruno Razza and Robert Sinkner Com 10.



The technical tour went to the impressive old city Colonia del Sacramento.



Engaging the Membership

FIG provides the Profession a global forum for professionals, practitioners and partners.

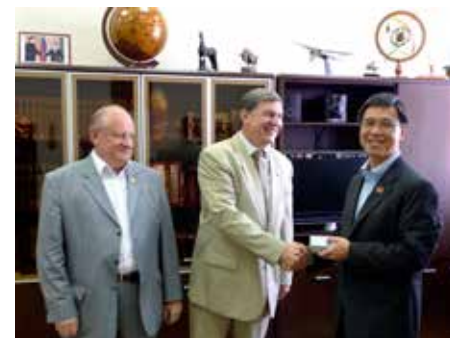


FIG has six members from Russia, here President Teo meets with V. Kislov (left), President of Non-Commercial Partnership of Cadastral Engineers and S. Volkov (middle), the President-Rector of the State University of Land Use.

Engagements and Visits

For FIG Council engaging the membership remains a priority as the Profession globally works towards relevance locally. FIG Vice Presidents as well as the President, apart from engaging their respective home memberships and regional affiliations, engaged members from different countries during the year under review. FIG is fortunate and thankful as the Federation essentially functions out of the goodwill, resources and contribution of our corps of volunteers and members from around the world. Together, we seek to extend the use and usefulness of surveying for the betterment of humanity.

Council travels and visits in 2012 were focused on engaging the membership and delivering the Council's work plan. Throughout 2012 the Council sought to visit members whenever one was visiting a country which include Argentina, Uruguay, Nigeria, Hong Kong SAR, Brunei, Burkina Faso, Germany, Denmark, Finland, Russia, Croatia, Italy, United States and PR China. Vice Presidents and the President also had the opportunity to engage members (including FIG Corporate, Affiliate and Academic members) at various international and regional events including those organized by regional and linguistics groupings within FIG such as CLGE, ASEANFLAG and FGF. There were a number of occasions where Commission or Network Officers represented FIG and participated in events in Russia, Spain and Cameroun.

► Read more: www.fig.net/news

Congratulations to Fabien Omboudou Njina, president of the OGEC, Cameroun for a successful conference on Promotion of the Profession of Land Surveyors in Central African Countries.



Guest book signing at the Ministry of Works together with Permanent Secretary Bukar Goni Aji when visiting NIS, host of FIG Working Week 2013.

CheeHai Teo (left), Past President of the Chartered Institute of Building, Prof. Li Shi-rong, RICS President SeeLian Ong, RICS Vice-President Louise Brooke-Smith at the "Fit for the Future" meeting in Beijing, China, March 2013.



Engaging the Membership



Map based on information in April 2013.

- Member association
- Affiliate member
- Corporate member
- Correspondent
- Academic member

Member Associations (December 2012)

Albania	Albania Association of Geodesy	Ghana	Ghana Institution of Surveyors
Algeria	Ordre des Géomètres-Experts Fonciers (OGEF)	Greece	Technical Chamber of Greece
Argentina	Federación Argentina de Agrimensores (FADA)		Hellenic Association of Rural and Surveying Engineers
Australia	Surveying and Spatial Sciences Institute (SSSI)	Hong Kong SAR, China	The Hong Kong Institute of Surveyors
Austria	Austrian Society for Surveying and Geoinformation		The Hong Kong Institution of Engineering Surveyors
Belarus	Land Reform Association	Hungary	Hungarian Society of Surveying, Mapping and Remote Sensing
Belgium	Union Belge des Géomètres-Experts Immobiliers	Indonesia	Ikatan Surveyor Indonesia
Benin	Syndicat National des Géomètres-Topographes et Assimilés du Bénin	Iran, Islamic Republic of	Iranian Professional Society of Surveying Engineers (ISS)
Bosnia-Herzegovina	Geodetic Association of Herceg-Bosnia	Ireland	The Irish Institution of Surveyors (IIS)
Brazil	Brazilian Society of Cartography, Geodesy, Photogrammetry and Remote Sensing (SBC)	Israel	Association of Licensed Surveyors in Israel
Brunei Darussalam	Brunei Institution of Geomatics (BIG)	Italy	National Council of Italian Surveyors
Bulgaria	Union of Surveyors and Land Managers in Bulgaria	Jamaica	The Land Surveyors Association of Jamaica (LSAJ)
	Chamber of Graduate Surveyors	Japan	Japan Federation of Surveyors
Burkina Faso	Association des Géomètres et Topographes du Burkina (AGT-B)	Kenya	Institution of Surveyors of Kenya (ISK)
Cameroon	Ordre National des Géomètres du Cameroun	Korea, Republic of	Korea Cadastre Survey Corporation
Canada	The Canadian Institute of Geomatics	Kosovo	Kosova Association of Surveyors
China P.R.	China Institute of Real Estate Appraisers and Agents (CIREA)	Latvia	Latvian Associations of Surveyors (LMB)
	China Land Science Society (CLSS)	Lebanon	Ordre des Géomètres-Topographes du Liban
	Chinese Society of Geodesy, Photogrammetry and Cartography	Liberia	Cadastral Surveyors Association of Liberia, Inc. (CASUAL)
Congo D.R.	Fédération des Ingénieurs Géomètres-Topographes	Lithuania	Lithuanian Association of Property Valuers
Costa Rica	Colegio de Ingenieros Topógrafos de Costa Rica		Lithuanian Association of Surveyors
Croatia	Croatian Geodetic Society	Luxembourg	Ordre Luxembourg des Géomètres (OLG)
Cyprus	Cyprus Association of Rural and Surveying Engineers	Malaysia	Association of Authorised Land Surveyors Malaysia
	Cyprus Association of Valuers and Property Consultants	Mali	Ordre des Géomètres Experts du Mali (OGE)
Czech Republic	Czech Association of Certified Property Appraisers	Malta	The Malta Institution of Surveyors
	Czech Union of Surveyors and Cartographers	Mongolia	Mongolian Association of Geodesy, Photogrammetry and Cartography (MAGPC)
Denmark	Danish Association of Chartered Surveyors (DdL)	Morocco	Ordre National des Ingénieurs Géomètres-Topographes (ONIGT)
Egypt	Egyptian Committee of Surveying and Mapping	Nepal	Nepal Institution of Chartered Surveyors
Estonia	Association of Estonian Surveyors (EGÜ)	Netherlands	Geo-informatie Nederland (GIN)
Ethiopia	Ethiopian Surveying Professionals Association (ESPA)	New Zealand	New Zealand Institute of Surveyors
Fiji	Fiji Institute of Surveyors	Nigeria	Nigerian Institution of Estate Surveyors and Valuers
Finland	Finnish Association of Geodetic and Land Surveyors (MIL)		Nigerian Institution of Surveyors
	Maanmittausalan ammattikorkeakoulu- ja opistoteknisten Liitto MAKLI ry		The Nigerian Institute of Quantity Surveyors
France	Ordre des Géomètres-Experts (OGE)	Norway	Norges Jordskifte kandidatforening (NJKF), faglig gruppe af Tekna and GeoForum
	Association Française de Topographie (AFT)	Palestinian Authority	Licensed Surveyors Association in Palestine
Georgia	Society of Professionals of Land Information Technologies (SPLIT)	Papua New Guinea	Association of Surveyors of Papua New Guinea (ASPNG)
Germany	DVW – Society of Geodesy, Geo-information and Land Management	Philippines	Geodetic Engineers of the Philippines, Inc.

Engaging the Membership

Poland	Association of Polish Surveyors	Sri Lanka	Surveyors' Institute of Sri Lanka
Portugal	Order of Engineers — College of Geographical Engineering	Sweden	Swedish professionals for the built environment
Puerto Rico, USA	Professional College of Engineers and Land Surveyors of Puerto Rico	Switzerland	geosuisse – Swiss society of geomatics and Land Management
Romania	Romanian Association of Private Surveyors	Syria	Order of Syrian Engineers and Architects (OSEA)
	Union of Romanian Geodesy	Togo	Ordre des Géomètres du Togo
Russian Federation	Federal Service of State Registration, Cadastre and Cartography (Rosreestr)	Trinidad and Tobago	Institute of Surveyors of Trinidad and Tobago
	Non-commercial partnership "Self-regulated organization of activity of cadastral engineers"	Tunisia	Association Nationale des Ingenieurs Géomètres-Experts Tunisiens (ANIGET)
Senegal	Ordre National des Géomètres Experts du Senegal (ONGES)	Turkey	Chamber of Surveying Engineers of Turkey
Serbia, Republic of	Serbian Union of Surveyors	Ukraine	Ukrainian Society of Geodesy and Cartography
Slovak Republic	Chamber of Surveyors and Cartographers, CSC	United Kingdom	Chartered Institution of Civil Engineering Surveyors (ICES)
	Slovak Union of Surveyors and Cartographers		The Royal Institution of Chartered Surveyors (RICS)
Slovenia	Association of Surveyors of Slovenia	Uruguay	Surveyors Association of Uruguay (AAU)
South Africa, Republic of	South African Council for Professional and Technical Surveyors	U.S.A.	National Society of Professional Surveyors (NSPS)
Spain	Spanish Association of Geodetic Surveyors	Vietnam	Vietnam Association of Geodesy – Cartography – Remote Sensing
		Zimbabwe	Survey Institute of Zimbabwe

Affiliate Members (December 2012)

Afghanistan	Afghan Land Consulting Organization (ALCO)	Lao PDR	National Geographic Department
	Afghanistan Information Management Services (AIMS)	Macedonia (FYROM)	Agency for Real Estate Cadastre (AREC)
Argentina	Consejo Federal De Catastro De La Republica Argentina (C.F.C)	Mexico	National Institute of Statistics, Geography and Informatics (INEGI)
Australia and New Zealand	ANZLIC – the Spatial Information Council	Moldova, Republic of	Agency for Land Administration and Cadastre of Republic of Moldova
Belgium	General Administration of the Patrimonial Documentation	Mongolia	Administration of Land Affairs, Construction, Geodesy & Cartography
Brunei Darussalam	Survey Department, Ministry of Development	Namibia	Office of the Surveyor General, Ministry of Lands, Resettlement and Rehabilitation
Cambodia	Ministry of Land Management, Urban Planning and Construction	Nepal	Survey Department, Government of Nepal
Chile	Servicio Hidrográfico y Oceanográfico de la Armada de Chile	Netherlands	Cadastre, Land Registry and Mapping Agency
China P.R.	China Land Surveying and Planning Institute	Norway	Statens kartverk, Norwegian Mapping and Cadastre Authority
Colombia	Instituto Geográfico Agustín Codazzi	Romania	National Agency for Cadastre and Land Administration
	Unidad Administrativa Especial de Catastro Distrital – UAEC	Russian Federation	Siberian State Academy of Geodesy
Croatia	State Geodetic Administration of Republic of Croatia	Rwanda	Rwanda Natural Resources Authority (RNRA)
Cyprus	Cyprus Lands and Surveys Department	Saudi Arabia, Kingdom of	Ministry of Municipal and Rural Affairs
Denmark	Danish Geodata Agency	Sri Lanka	Survey Department, Sri Lanka
Fiji	Ministry of Lands and Mineral Resources	Sweden	Lantmäteriet – The Swedish Mapping, Cadastral and Land Registration Authority
Finland	National Land Survey of Finland	Switzerland	Swiss Federal Office of Topography, swisstopo
Hungary	Institute of Geodesy, Cartography and Remote Sensing (FÖMI)	United Arab Emirates	Surveying Department, Dubai
Iceland	Registers Iceland	USA	United States Department of Commerce, National Oceanic and Atmospheric Administration NOAA
Iran	National Cartographic Center of Iran (NCC)		Cadastral Survey Bureau of Land Management
Iraq, Republic of	General Directorate for Surveying, Ministry of Water Resources		
Israel	Survey of Israel		
Italy	Italian Society of Photogrammetry and Topography (SIFET)		
Jordan	Department of Lands & Survey, Ministry of Finance		

Academic Members (December 2012)

Australia	RMIT University, Department of Geospatial Science	Australia (cont.)	University of Technology Sydney, School of Construction Property & Project Management
	The University of Melbourne, Department of Geomatics	Austria	University of Natural Resources and Applied Life Sciences Vienna, Institute of Surveying, Remote Sensing and Land Information
	University of New South Wales, School of Surveying and Spatial Information Systems	Bahrain	Arabian Gulf University, College of Graduate Studies
	University of Southern Queensland, Department of Surveying and Land Information	Belgium	Antwerp Maritime Academy, Institute for Hydrography

Engaging the Membership

Belgium (cont.)	ECAM – Haute Ecole Leonard de Vinci, Département Construction
	University of Applied Sciences Kaho Sint-Lieven, Department of Engineering in Construction and Land Surveying
	University of Liege, Unit of Geomatics
Botswana	University of Botswana, Faculty of Engineering and Technology
Brazil	Universidade do Vale do Rio dos Sinos – UNISINOS, Centro de Ciências Exatas e Tecnológicas
Canada	Université Laval, Département des sciences géomatique
	University of Calgary, Department of Geomatics Engineering
	University of New Brunswick, Department of Geodesy and Geomatics Engineering
Chile	Universidad de Concepción, Unidad Académica Los Angeles, Departamento Geomensura
China P.R.	Renmin University of China, School of Public Administration, Department of Land & Real Estate Management
	The University of Nottingham Ningbo China, Faculty of Science and Engineering
Colombia	Universidad de los Andes – Civil and Environmental Engineering
	Universidad Distrital Francisco José de Caldas, Facultad de Ingeniería
	Universidad Distrital Francisco José de Caldas, Facultad del Medio Ambiente y Recursos Naturales
Croatia	University of Zagreb, Faculty of Geodesy
Cyprus	Neapolis University Pafos, Real Estate and Construction
Czech Republic	Brno University of Technology, Faculty of Civil Engineering, Department of Surveying
Denmark	Aalborg University, Department of Development and Planning
Egypt	National Water Research Center, Survey Research Institute
	The National Research Institute of Astronomy & Geophysics, Geodynamics Department
Ethiopia	Bahir Dar University, Institute of Land Administration
Finland	Aalto University, School of Engineering, Department of Real Estate, Planning and Geoinformatics
	Helsinki Metropolia University of Applied Sciences, Land Surveying
	Rovaniemi University of Applied Sciences
France	Ecole Supérieure des Géomètres et Topographes (ESGT)
Germany	Anhalt University of Applied Sciences, Faculty of Surveying Engineering
	Berlin Institute of Technology, Department for Geodesy and Geoinformation Science
	Fachhochschule Trier, Standort Umwelt-Campus Birkenfeld, Zentrum für Bodenschutz und Flächenhaushaltspolitik
	Technische Universität München, Faculty of Civil Engineering and Surveying
	University of Stuttgart, Institute of Engineering geodesy (IIGS)
Ghana	University of Mines and Technology, Department of Geodetic Engineering
Greece	National Technical University of Athens, School of Rural and Surveying Engineering
Hong Kong SAR, China	The Hong Kong Polytechnic University, Department of Land Surveying & Geo-Informatics
Hungary	The University of West Hungary, Faculty of Geoinformatics
Ireland	Dublin Institute of Technology, Department of Geomatics
Israel	Technion – Israel Institute of Technology, Mapping and Geoinformation Engineering
Jamaica	University of Technology Jamaica, Division of Surveying and Geographic Information Sciences
Kazakhstan	East Kazakhstan State Technical University named after D. Serikbayev, Geodesy, Land Management and Cadastre
	Kazakh National Technical University after K. I. Satpaev, Department for Strategic Planning and Development
Kosovo	University of Prishtina, Faculty of Civil Engineering and Architecture, Department of Geodesy
Latvia	Riga Technical University, Faculty of Civil Engineering, Department of Geomatics
Lebanon	Lebanese Canadian University (LCU), Faculty of Engineering
	Lebanese International University, LIU, Department of Surveying Engineering
Malaysia	Universiti Teknologi Malaysia, Department of Geomatics Engineering
Mexico	Universidad Autónoma de Nuevo León, Topography Department of the Civil Engineering
Morocco	Institut Agronomique et Vétérinaire Hassan II
Nepal	Land Management Training Centre, Dhulikhel Municipality
Netherlands	ITC – Faculty of Geo-Information Science and Earth Observation of the University of Twente
New Zealand	University of Otago, The School of Surveying
Nigeria	ABIA State Polytechnic, ABA, Nigeria, Surveying and Geoinformatics Dept.
	Nnamdi Azikiwe University, Faculty of Environmental Sciences
	University of Lagos, Faculty of Environmental Sciences
Norway	Norwegian University of Life Sciences, Department of Mathematical Sciences and Technology
	Bergen University College, Faculty of Engineering
Oceania	University of the South Pacific, Land Management & Development Department
Palestinian Authority	Palestine Polytechnic University, College of Engineering and Technology
Poland	Agricultural University of Cracow, Faculty of Environmental Engineering & Land Surveying
Puerto Rico, USA	University of Puerto Rico, Mayagüez Campus, Civil Engineering Department
	Polytechnic University of Puerto Rico, Geomatic Sciences Department
Romania	“1 Decembrie 1918” University of Alba Iulia, Department of Topography and Cadastre
Russian Federation	Moscow State University of Geodesy and Cartography, Economic and Land Management
	State University of Land Use Planning, Vice-rector for International Cooperation
Rwanda	INES-Ruhengeri, Head of Department: Land Administration and Management
Saudi Arabia, Kingdom of	TECRS – The Environmental Center for Remote Sensing, Dept. of Geosystem Technology
Serbia	University of Novi Sad, Faculty of Technical Sciences
Singapore	National University of Singapore, School of Design and Environment
Slovenia	University of Ljubljana, Faculty of Civil and Geodetic Engineering
South Africa, Republic of	University of Cape Town, Division of Geomatics in the School of Architecture, Planning and Geomatics
Spain	Technical University of Madrid, Higher School of Engineers in Surveying, Geodesy and Cartography
	University of Jaen Spain, Ingeniería Cartografica, Geodesica y Fotogrametria
Sweden	Royal Institute of Technology, Real Estate Planning and Land Law

Engaging the Membership





Sweden (cont.)	Department of Real Estate Science at Lund University	United Kingdom (cont.)	Reading University, Henley Business School, School of Rural Estate and Planning
Switzerland	University of Applied Sciences Northwestern Switzerland, School of Architecture, Civil Engineering and Geomatics		Sheffield Hallam University, Faculty of Development & Society
Trinidad and Tobago	University of the West Indies, Department of Geomatics Engineering & Land Management, Faculty of Engineering		The University of Nottingham, Institute of Engineering Surveying and Space Geodesy
Turkey	Istanbul Technical University, Department of Geomatic Engineering Zonguldak Karaelmas University, Geodesy and Photogrammetry (Geomatics) Engineering		University of the West of England, Faculty of the Built Environment
Uganda	Makerere University, Geomatics and Land Management	USA	New Mexico State University, Surveying Engineering
United Kingdom	Kingston University, Faculty of Design Oxford Brookes University, School of Built Environment		Texas A&M University – Corpus Christi, Conrad Blucher Institute for Surveying and Science
			University of Houston, College of Technology
		International	UNIGIS International Association

Correspondents (December 2012)





Bahrain, Bhutan, Eritrea, Gabon, India, Lesotho, Madagascar, Peru, Saint Lucia (WI), Tanzania (Zanzibar), Thailand, Tonga, Tunisia and Tuvalu.

Corporate Members (December 2012)

PLATINUM LEVEL

	Bentley Systems, www.bentley.com
	Environmental Systems Research Institute, Inc. (ESRI), www.esri.com
	Leica Geosystems AG, www.leica.com
	Trimble Navigation Ltd, www.trimble.com




SILVER LEVEL

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	FARO Europe GmbH & Co. KG, www.faro.com
	Geoweb S. p. A, www.geoweb.it
	Meridian+, www.agpmeridian.com

BRONZE LEVEL

	AED-SICAD Aktiengesellschaft, www.aed-sicad.com
	GIM International – Geomares Publishing, www.gim-international.com
	KQ Geo Technologies Co, www.kanq.com.cn
	Mason Land Surveys Limited, www.mason.co.uk
	SEPRET (Société des Etudes de Projets et Réalisation des Travaux, S.A.R.L.), www.sepret.com

BASIC LEVEL

	Derinsu Underwater Engineering & Consulting, www.derinsu.com
	Global Survey Qatar
	Thomson Reuters, http://grm.thomsonreuters.com

REGIONAL LEVEL

	Cameroon Engineering S.A.
	Concord Surveying Works Co., http://concordsurveying.com
	Coordinates Magazine, www.mycoordinates.org
	GEO:connexion Ltd, www.geoconnexion.com
	Institut Cartogràfic de Catalunya, www.icc.es
	ISQ Portugal, www.isq.pt
	Orbits Engineering Firm, www.orbitseng.com

OTHER SPONSORSHIP

	Den danske Landinspektørforening (DdL), http://ida.dk/sites/ddl
	Korea Cadastral Survey Corp., http://lx.or.kr

Engaging Global Challenges

Commissions

FIG Commissions are the “powerhouses” of the Federation, delivering knowledge and disseminating best practices through its activities. Members should benefit from its membership in FIG by actively engaging Commissions and supporting enthusiastic national delegates to the Commissions, collaborate and participate in the work and activities of the Commissions. These are vital in efforts to bring the benefits of FIG membership to the local members.

Commission 1 – Professional Practice

Chair: Mr. Leonie Newnham (SSSI, Australia)

Chair-elect: Mr. Brian J. Coultts (NZIS, New Zealand)

Commission 1 held its annual meeting at the FIG Working Week in Rome with about 20 people attending. They contributed ideas to the future implementation of the Plan and Commission activities. Four technical sessions were held with joint sessions to develop professional activities across a broader sphere. At the 8th FIG Regional Conference a joint session was held with the Young Surveyors that was very well attended. It generated much interest and discussion.

Commission 2 – Professional Education

Chair: Mr. Steven Frank (NSPS, United States)

Chair-elect: Ms. E.M.C (Liza) Groenendijk (GIN, Netherlands)

Commission 2 enjoyed good turnout and participation in FIG Working Week in Rome with 4 technical sessions featuring over 20 presentations. Presentations were followed by good discussions on the topics presented. The Workshop “Global Trends and Convergence in Surveying Education” was held in September 2012 in Moscow, Russian Federation. Presentations were made on professional surveying education in Russia and around the world. Those unable to go to Moscow for the workshop were able to attend over the Internet. Internet attendees were able to ask questions and contribute to discussion via email. At the 8th FIG Regional Conference the Commission had 2 sessions with about 10 presentations. Several presentations on education in Uruguay were well received and invited much discussion.

Commission 3 – Spatial Information Management

Chair: Dr. Yerach Doytsher (ALS, Israel)

Chair-elect: Mr. Enrico Rispoli (CNGeGL, Italy)

Commission 3 experienced a very active participation at the annual FIG Working Week in Rome with 23 technical sessions and close to 100 presentations. At 8th FIG Regional Conference Commission 3 participated with 4 technical sessions. The annual 2012 FIG Commission 3 workshop/conference (December 10–14), was held



FIG Commission Chairs in Rome with Vice President Rudolf Staiger in front. From left: Leonie Newnham, Com 1, Steve Frank Com 2, Yerach Doytsher Com 3, Michael Sutherland Com 4, Mikael Lilje Com 5, Gethin Roberts Com 6, Daniel Roberge Com 7, Wafula Nabutola Com 8, Frances Plimmer Com 9 and Robert Sinkner Com 10.

in Athens, Greece, jointly with FIG Task Force on Property and Housing, and 2012 UNECE WPLA workshop on “Spatial Information and Informal Development, Property and Housing”. Close to 100 participants arriving from more than 25 countries worldwide participated in 16 technical sessions. 3rd International Workshop on 3D Cadastres – jointly with Commission 7 (October 2012), Shenzhen, China, had 6 technical sessions.

Commission 4 – Hydrography

Chair: Dr. Michael Sutherland (CIG, Canada)

Chair-elect: Ms. Angela Etuonovbe (NIS, Nigeria)

Commission 4 technical sessions at the FIG Working Week in Rome included themes such as Hydrographic Surveying, Hydrographic Technologies, Hydrography Development and Vertical Reference Systems (held jointly with Commission 5). The sessions were well attended with some sessions full to capacity. At the 8th Regional conference Commission 4 had one key technical session. IHO/IMO/IOC/WMO/IALA/IAEA held their 6th Capacity Building Coordination Meeting at IOC Project Office for IODE, Oostende, Belgium, 10 December 2012. Commission 4 was represented by Vice-Chair Administration and Communication, Mr. Gordon Johnston, Commission 4’s de facto liaison to IHO.

Commission 5 – Positioning and Measurement

Chair: Dr. Mikael Lilje (ASPECT, Sweden)

Chair-elect: Ing. Volker Schwieger (DVW, Germany)

Commission 5 held their first Reference Frame in Practice Seminar, and attracted 42 delegates from various parts of world involved with operational geodetic surveying. The event was jointly organized with the International Association of

Geodesy (IAG) and the United Nations International Committee on GNSS (ICG). At the Working Week, the technical program was extensive and comprised of 17 technical sessions and almost 100 papers and presentations. Commission 5 has continued to maintain a successful working relationship with the International Association of Geodesy (IAG), the Permanent Committee for GIS Infrastructure Asia-Pacific (PCGIAP) and the International Committee on GNSS (ICG), as well as taking a lead role as a liaison with ISO (ISO/TC 211 and ISO/TC 172/SC 6). The International Committee on Global Navigation Satellite Systems (ICG), met in Beijing, China in November 2012 represented by Chair Mikael Lilje. At the 8th Regional Conference, Commission 5 was also strongly represented.

Commission 6 – Engineering Surveys

Chair: Prof. Gethin Wyn Roberts (ICES, United Kingdom)

Chair-elect: Mr. Ivo Milev (USLMB, Bulgaria)

Commission 6 participated in the FIG Working Week in Rome, with 15 technical sessions, 84 papers. The Commission also participated in Geosiberia 2012, by incoming chair Ivo Milev and held its 1st International FIG Workshop on High Rise and Tall Engineering Structures: Development and Practices, November 2012 at The Hong Kong Polytechnic University (organized by Working Group 6.2) where the Chair gave the key note presentation. The Commission was also present in the RICS Fit for the Future Conference in March 2012 in Beijing, China and the Hangzhou Forum on UN-GGIM, May 2012. The Hangzhou Forum was attended by many senior surveying and mapping personalities from around the World. The Chair also participated in the RICS International Geomatics Conference in December

Engaging Global Challenges

2012 in Wuhan, China. Joint Commission 5 and 6 Workshop entitled "Innovative Technologies for an Efficient Geospatial Management of Earth Resources" co-organized with Kazakh National Technical University after K. I. Satpaev (KazNTU) and Siberian State Academy of Geodesy (SSGA) was held in Almaty, Kazakhstan.

Commission 7 – Cadastre and Land Management

Chair: Mr. Daniel Roberge (CIG, Canada)

Chair-elect: Ms. Gerda Schennach (OVG, Austria)

Commission 7 had 20 sessions in which over a hundred papers were presented at the Working Week in Rome. Commission 7 and GIM International organized a dynamic forum about the Future of Land Administration with representatives from each continent. At the FAO headquarters, a joint workshop on Land Tenure and Disaster Risk Management was successfully held. Commission 7 was involved in the organization of a well-attended workshop on *Spatial Enabling Governments and Societies* at the Land and Poverty World Bank Conference 2012. The Annual Meeting was organized in San Luis in cooperation with Consejo Federal de Catastro (CFC) and the Federación Argentina de Agrimensores and included a One-day International Symposium with the theme "Land Governance in South America and International Perspectives. Joint Working Group Commissions 3 and 7 on 3D Cadastres had its workshop in Shenzhen, China Oct. 2012 and

attracted over 160 participants from 20 different countries. The high Chinese participation in the workshop illustrated the rapid 3D developments and urgent need for 3D Cadastre.

Commission 8 – Spatial Planning and Development

Chair: Mr. Wafula Nabutola (ISK, Kenya)

Chair-elect: Mr. Kwame Tenadu (GHIS, Ghana)

Commission 8 was present in the FIG Working Week in Rome, May 2012 in 36 technical sessions including FIG Africa Task Force, a Roundtable Discussion, Planning Policies and Procedures jointly with commission 3 and 7, and Planning, Environment and Water management with commission 3 and 4. At the 8th FIG Regional Conference Commission 8 had four well attended sessions with encouraging discussions: Planning and Managing Urbanization and Planning Policies and Environmental Improvement, Spatial Planning and DRM, Urban and Rural Land Use Planning and Information Systems

Commission 9 – Valuation and Management of Real Estate

Chair: Prof. Frances Plimmer (RICS, United Kingdom)

Chair-elect: Dr. Liao Junping (CIREA, PR China)

FIG Commission 9 has been very active in the Working Week with 39 sessions. Commission 9 technical sessions proved most popular at the 8th FIG Regional Conference discovering both the similarities and the differences that we

have within the major issues which confront us all throughout the world. A Workshop on Mass Appraisal Systems was held September 2012 at Neapolis University, Paphos, Republic of Cyprus organized by Study Group 9.2 organized jointly with the Cyprus Association of Property Valuers, Neapolis University. FIG is represented by Chair Frances Plimmer in a coalition to develop International Property Measurement Standards, which will ensure a higher degree of consistency in the measurement of property globally.

Commission 10 – Construction Economics and Management

Chair: Mr. Robert Sinkner (CUSC, Czech Republic)

Chair-elect: Vacant

At the FIG Working Week there were interesting discussions on project management, green management, sustainable development and building information modelling. The Commission had three technical sessions as well as a special session on BIM (Building Information Modelling). The International Conference on BIM 2012 was held in Prague. For the majority of the scientific community the concept of BIM is a rather new tool for their professional activity, and that is why a non-profit organization "Expert Council for BIM" has set itself the objective to broaden the view on BIM. At the 8th FIG Regional Conference the Commission had one technical session.

► Read more: www.fig.net/comm

Networks

FIG Standards Network

Chair: Mr. David Martin (ESRF, France)



A remarkable achievement for the Network and a result of several years of hard work was the publication of a comprehensive comparative study, the Land Administration Domain Model (LADM). LADM has since being published as ISO 19152. LADM defines terminology for land administration, based on various national and international systems, that is as simple as possible in order to be useful in practice and the proposal for this standard was submitted by FIG to ISO almost five years ago.

FIG is in a coalition to develop International Property Measurement Standards, which will ensure a higher degree of consistency in the measurement of property globally. There is to be a two-stage process – standard setting and standard promotion – in 2012 the very first steps of the first stage was taken.

► Read more: www.fig.net/standards_network

FIG Young Surveyors Networks (YSN)

Chair: Ms. Kate Fairlie (SSSI, Australia)

Chair-elect: Ms. Eva Maria Unger (OVG, Austria)



FIG Young Surveyors Network addresses the need for young surveyor representation within FIG, and the need to ensure FIG activities are meeting the needs of not only students and young professionals, but also youth as a broad category within society. 2012 was a very active year for YSN starting with the successful First Young Surveyors Conference in Rome prior to FIG Working Week. Young Surveyors were also present at the Sixth World Urban Forum and highlighted the dynamic relationships of Youth to Land and Land to Youth. YSN participated in the IV International Training Course in Topography organized by the Italian Member Association CNGeGL, FIG Commission 2 Workshop "Global Trends and Convergence in Surveying Education" and African Task Force meeting in Ghana.

Around 40 Young Surveyors attended the 8th Regional Conference in Uruguay.

► Read more: www.fig.net/ysn

Engaging Global Challenges

Task Forces

FIG Task Force on Spatially Enabled Society

Chair: Dr. Daniel Steudler (Geosuisse, Switzerland)



The Task Force on Spatially Enabled Society successfully concluded its task with FIG Publication No. 58: Spatially Enabled Society, a joint publication in cooperation with GSDI Association and with the support of Working Group 3

of the PCGIAP. The Task Force contributed substantially at the UNRCC – PCGIAP International Symposium and expert group meeting on Spatially Enabled Government and Society in February 2012 held in Kuala Lumpur, Malaysia. A notable outcome of the Symposium was the Kuala Lumpur Declaration on Spatially Enabled Government and Societies. *Spatial enablement,*



Dr. Hiroshi Murakami, Vice-President of PCGIAP handing over the Kuala Lumpur Declaration on Spatially Enabled Government and Societies to the Malaysian Minister of Natural Resources and Environment at the closing of the International Symposium on Spatially Enabled Government and Societies, February 2012.

that is the ability to add location to almost all existing information, unlocks the wealth of existing knowledge about social, economic and environmental matters, and can play a vital role in understanding and addressing the many challenges that we face in an increasingly complex and interconnected world. *Spatial enablement,* by definition, requires information to be collected, updated, analysed, represented, and communicated, (together with information on ownership and custodianship,) in a consistent manner to underpin effective delivery systems, good governance, public safety and security towards the well being of societies, the environment and economy.

FIG Council acknowledges its gratitude to Dr. Daniel Steudler (Geosuisse, Switzerland) for his able leadership as well as members of the Task Force on Spatially Enabled Society for their contributions and efforts.

FIG Africa Task Force

Chair: Dr. Diane Dumashie (RICS, United Kingdom)

The African Task Force (ATF) held its third Land Professionals Workshop October 2012 in Elmina, Ghana with the overall theme “Environmental Resilience in Land and so to develop Land professional’s capacity through a strategic foresight exercise. The focus was on “Environmental Resilience: An agenda for Action.” The key purpose of the task force is to enable the surveying profession in Sub Saharan Africa to deal with social responsibility in terms of contributing to achieving the MDGs. In this regard, the role of the surveyors as change agents engaging with the politicians and civic society is important. Africa faces considerable challenges in the near future, and development must be accelerated further. Africa Task Force also hosted a Roundtable meeting in Rome at FIG Working Week.

FIG Task Force on Property and Housing

Chair: Prof. Chryssy Potsiou (HARSE/TEE, Greece)

The Task Force on Property and Housing investigates challenges and major threats resulting from the current global financial crisis, and identifies new role for the surveyor. It intends to develop awareness, vision and key strategies as well as to investigate tools and techniques around institutional development, improvement of coordination of various stakeholders, adoption of effective policies, as well as land tool development and technical tools to support the above. In December 2012 a Seminar was held in Athens Greece in cooperation with Commission 3 and included specific themes for the Task Force. The Seminar was organized jointly with the 2012 WPLA workshop. Task Force on Property and Housing will also work closely together with UN-HABITAT on the Global Housing Strategy. The

Task Force had special sessions at the Working Week and the Regional Conference.

FIG Task Force on Surveyors and Climate Change

Chair: Prof. John Hannah (NZIS, New Zealand)

The Task Force on Surveyors and Climate Change continues to identify areas where surveyors can assist uniquely the international community to better understand the effects and impacts of climate change and can provide advice on how to mitigate and cope with the effects of climate change. It will further consider the skills of a surveyor, on the design and use of any global measuring, monitoring and management systems that might be used to mitigate the effects of climate change. The Task Force met in Rome where two dedicated Technical Sessions were held.

► Read more: www.fig.net/tf

Permanent Institutions

International Institution for the History of Surveying & Measurement (IIHSM)

Director: Mr. Jan de Graeve (UBGE, Belgium)

2012 was a special year because of the celebration of the 500th anniversary of Gerard Mercator, Belgium. He was one of the most influential land surveyors and cartographers ever, who invented a projection system still in use today. Exhibitions were organized as well as a book was published by Jan de Graeve. IIHSM held its traditional History Workshop in connection with FIG Working Week in Rome with more than 20 participants. There were much enthusiasm and discussions continued during the FIG week. A group visited the Vatican Museum and especially the map room by Danti.

The International Office for Cadastre and Land Records (OICRF)

Director: Dr. Christiaan Lemmen (GIN, The Netherlands)

OICRF serves as a documentation and study center for land administration. A main success in 2012 was the publication of a comprehensive comparative study, the Land Administration Domain Model. LADM was published as ISO 19152. OICRF maintains a digital library that contains approximately 11,152 publications (December 31, 2012), which include conference documents, magazine articles and reports on land administration. The contents are available in different languages (52 Dutch, 421 French, 318 German, 14 Italian, 19 Russian, 169 Spanish and 10159 English).

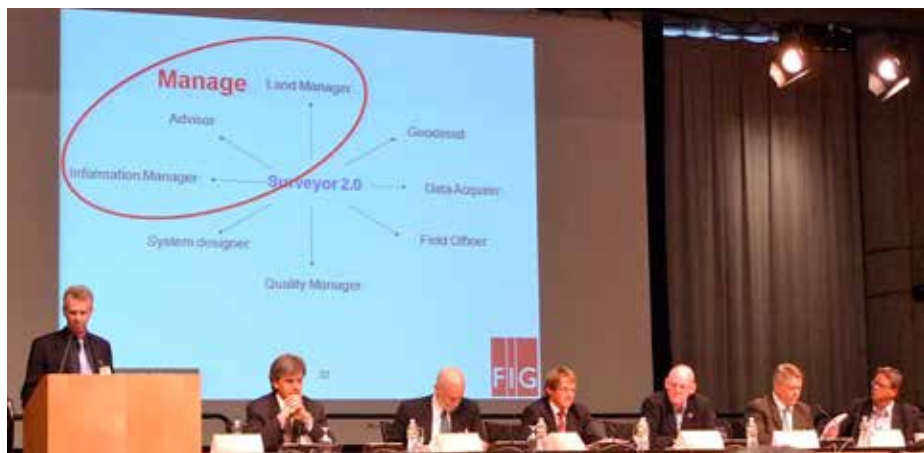
Enhancing the Relevance

Co-operation with the World Bank

World Bank Conference on Land Governance in a Rapidly Changing Environment (Washington, 23–27 April 2012)

The 2012 Annual World Bank Conference on Land and Poverty had record attendance, over 550 participants from over 85 countries with approximately 350 presentations. In 2012 the conference covered three full days and including side events and meetings, took up the entire week between 23 and 27 April 2012. The venue of the Conference was, once again, the World Bank Headquarters.

The Profession was again well represented and within the Conference was the WB/FIG Joint Segment on Spatially Enabled Government and Societies with four sessions, each with four presenters and a roundtable at the end of what was a very long day. Klaus Deininger (Lead Economist, Development Research Group, World Bank), said that this joint segment was aimed at *“highlighting the rich experience in this area, focusing on approaches that are affordable and scalable and that can be built upon flexibly as land values and the need for greater detail increase”*. The conference, and the joint workshop in particular, considered what was fit-for-purpose. Whilst noting that many jurisdictions requires accurate, assured and authoritative land and property information, yet there are many jurisdictions that need an “initial point of entry” to building



Colleagues from FIG at the 2012 World Bank Conference on Land and Poverty, April 2012.

these crucial information. Hence, affordable, applicable and appropriate approaches are needed instead. When considering the resources and capacities that are required, this “initial point of entry” may well be at the opposite end of current approaches and sophistication, and where participatory and volunteered land and property information may have a contribution.

The Bank supported the 8th FIG Regional Conference and provided one of the plenary speakers, contributing towards the vibrancy and success of the Conference.



Opening Segment of the 2012 World Bank Conference on Land and Poverty.

Co-operation with the United Nations

United Nations Global Geospatial Information Management Hangzhou Forum on UN-GGIM (Hangzhou China, 24–26 May 2012)



The Hangzhou Forum on United Nations Global Geospatial Information Management (UN-GGIM) provided a regional consultation mechanism and a platform

for the exchange of views, to discuss priority issues for the regional implementation strategy of the UN-GGIM initiative. The Forum was hosted by the National Administration of Surveying, Mapping and Geoinformation (NASG) of China who organized this Forum jointly with the Secretariat of the United Nations initiative on Global Geospatial Information Management. The Forum provided delegates and participants

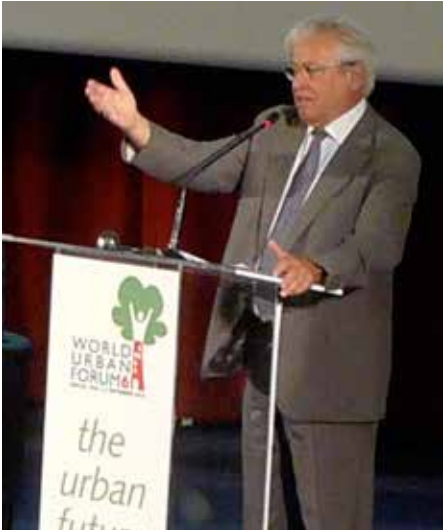
a better understanding of key issues UN-GGIM and international organization need to focus on; an appreciation on the importance of consultations at global, regional and local levels to agree and pursue strategies towards managing all information spatially. This Forum was supported by the United Nations sponsored Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) that held its Executive Board meeting the day after the successful conclusion of the Forum.

United Nations Committee of Experts on Global Geospatial Information Management

UNCE-GGIM was established to be the official United Nations consultative mechanism on place, locality and geography. UNCE-GGIM plays a leading role in setting the agenda for the devel-

opment of global geospatial information, while promoting its use to meet key global challenges. The second session of the Committee of Experts was held in August 2012 in New York and deliberated on an analysis and report on future trends in geospatial information management carried out by the Committee. Member states discussed the desire for options in their respective evolution to create national geospatial information authorities and requested mechanisms for governments to engage each other in learning and sharing. The impact on member states with limited access to technology was also discussed especially in an era of rapid technological changes. It was opined that there is a need to reduce this technological divide. The importance of geodesy and global geodetic reference system was emphasized that will lead to a special session at the Second High Level Forum.

Enhancing the Relevance



Dr. Joan Clos, Executive Director of UN-Habitat.

United Nations Human Settlement Programme (UN-HABITAT)



FIG also participated at the UN-Habitat Sixth World Urban Forum in September 2012 hosted by the city of Naples, Italy. The President was joined by a number of colleagues and the Young Surveyors Network actively participated in the Forum, particularly the Youth Assembly as well as the Roundtable on Youth, confirming that the younger and youth have relationships to land and shelter. The Forum with the theme "Urban Futures" was held in the context where some fifty per cent of the world's population currently live in urban areas and often in inequitable condition. This urban population is projected to increase to sixty per cent of all humanity in 2030 with a growing urban young, estimated to increase to sixty per cent of all urban dwellers by then. The focuses of the Sixth World Urban Forum were on urban planning, equity and prosperity, productive cities and urban mobility, energy and environment.

Global Land Tool Network



GLTN continues in promoting secure land and property rights for all through the promotion of the continuum of land rights and development of pro-poor and gender appropriate land tools as well as taking a more holistic approach to land issues by improving global coordination on land.

FIG collaborates with and contributes to GLTN's objectives, primarily through collaborative and joint activities and for the year under review, focusing on youth responsiveness to land,

participatory and inclusive land readjustment, social tenure domain model and engagement with grass root organizations. FIG supported GLTN's objectives at the Sixth World Urban Forum Roundtable with the theme "Celebrating the Recognition of a Range of Land Rights: Taking Stock and Moving Forward". Through the FIG Foundation, FIG supported GLTN's STDM pilot project in the Ugandan south-western town of Mbale where STDM was used to capture and register the relationship to land of informal settlers and the pilot is ongoing. GLTN supported the 8th FIG Regional Conference with two plenary speakers and a series of joint sessions.

Food and Agriculture Organization (FAO)



FAO was the main institutional partner at the FIG 2012 Working Week and on 11th May 2012, the United Nations Committee on World Food Security endorsed the *Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests* in the Context of National Food Security. The VG (Voluntary Guidelines) outlined the principles and practices that governments can refer to when making laws and administering land, fisheries and forest rights.

In October 2012 Technical Meeting on "Supporting the Implementation of the Voluntary Guidelines" at FAO's headquarters in Rome, FIG was part of the opening segment, to address on the responses of professionals. FIG observed

an urgency and an immediate challenge in the building of an up-to-date, credible, comprehensive and authoritative inventory of land (and the seas) that include information on tenure, custodianship and ownership. FIG expressed the view that this could be key to the success of the voluntary guidelines and asked to seize the opportunities provided by a newer generation of web and mobile technologies and services such as online maps and location based solutions to build this crucial information base.

United Nations Office for Outer Space Affairs (UNOOSA)

The Seventh Meeting of the International Committee on Global Navigation Satellite Systems (ICG) was held in Beijing, PR China in November 2012. FIG is an Associate Member of the ICG and is represented by the Chair of FIG Commission 5, Mikael Lilje. The ICG has been formed as a result of recommendations of the UN Committee on the Peaceful Use of Outer Space (COPUOS), as ratified by the General Assembly of the UN. UNOOSA also supported the IAG/ICG/FIG Technical Seminar on Reference Frame in Practice by sponsoring four delegates to the event held before our 2012 Working Week in Rome.

United Nations Group of Experts on Geographical Names (UNGEGN)

The Tenth United Nations Conference on Standardization of Geographical Names (UNCSGN) as well as the Twenty-seventh Session of the Group of Experts on Geographical Names



President Mazuy of FGF at the 2012 FGF General Assembly, Ouagadougou, Burkina Faso, October 2012.

Enhancing the Relevance



At the working meeting between FIG and UN-Habitat Global Land Tool Network there were intensive discussions.



Second Session of the United Nations Committee of Experts on Global Geospatial Information Management.

(UNGEEN) that was held at the UN Headquarters between 31st July and 10th August 2012. UNGEEN's outgoing chair, Ms. Helen Kerfoot (Canada) was recognized for her twenty years of service and contributions as Vice Chair and Chair of UNGEEN with a commendation from the United Nations Secretary General that was read out to all delegates at the closing meeting of the 27th Session of UNGEEN. The Session elected Bill Watt (Australia) as Chair with Ferjan Ormeling (Netherlands) and Naima Friha (Tunisia) as Vice Chairs.

United Nations Regional Cartographic Conference for Asia and the Pacific
 FIG submitted and presented its report with a focus on Spatial Enablement towards Manag-

ing All Information Spatially at the 19th United Nations Regional Cartographic Conference for Asia and the Pacific (UNRCC-AP) convened at the United Nations Complex in Bangkok, Thailand in November 2012. The theme of the Conference is "UNGGIM Vision for Asia and the Pacific. The President also participated in a panel discussing the "UNGGIM Vision of Managing All Information Spatially for Asia and the Pacific Region", contributed and participated in the Consultation Session on Global Geodetic Reference Frame and the meeting of the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP). PCGIAP, at its meeting agree to rename to United Nations Regional Committee on Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP).

In the reporting session and the panel discussion, it was emphasized that the Profession has the competence and capacity to develop and implement the next generation of solutions that are fit-for-purpose, more affordable, are citizen centric and can be improved incrementally when appropriate. This would include spatially referencing other information including socio-economic and environmental information to derive wider societal, environmental and economic benefits that could be more effectively used in all levels of policy formulation and decision-making.

Sister Organizations



Joint Board for the Geospatial Information Societies (JB-GIS)

The Joint Board for the Geospatial Information Societies (JB-GIS) at its annual meeting in Melbourne in August 2012 reaffirmed Prof. William Cartwright from International Cartographic Association as the Chair for a further period of one year. The annual meeting was held on the side line of the ISPRS Congress where FIG contributed in the JBGIS special technical session on Spatially Enabled Society.

International Association of Geodesy (IAG)



FIG Commission 5 collaborated with IAG and the International Committee on GNSS (ICG) to realise a Technical Seminar before the 2012 Working Week in Rome on Reference Frame in Practice. 42 delegates, four of whom were sponsored by UNOOSA, attended the two-day event. The President of IAG, Prof. Chris Rizos, provided the overview of the transition from traditional to modern geodesy where he described the evolution of roles, impact of services and the importance of reference frame definition.

International Society for Photogrammetry and Remote Sensing (ISPRS)



The President attended the opening segment of the XXII Congress of ISPRS hosted by SSSI, Australia in Melbourne in late August 2012. Apart from the JBGIS special technical session, FIG Commission 2, represented by the Chair of FIG YSN, also organized joint sessions with ISPRS at the Congress.

FIG is also contributing to ISPRS led project on the *Value of Geo-Information for Disaster and Risk Management (VaLiD)*. FIG is represented by Chair of FIG Commission 3 and the intention is to produce a publication to give evidence of the economic, humanitarian and organizational benefits which can be realized by applying geoinformation to disaster and risk management based on analyses of socio-economic benefit.

Enhancing the Relevance



FIG Foundation

Building a Sustainable Future

The FIG Foundation is an independent body under the International Federation of Surveyors and has been established for the purpose of raising funds to finance surveying education development projects and supporting young surveyors in order to build a sustainable future.

The FIG Foundation will build a sustainable future by:

- grants and scholarships to projects, for instance to develop curricula for surveying education, training and capacity building, especially in developing countries;
- encourage research into all disciplines of surveying and to disseminate the results of that research;
- promote high standards of education and training for surveyors and to facilitate continuing professional development;
- educate people in the disciplines of surveying, particularly in developing countries and countries in transition;
- promote the use of distance learning, networking, eLearning and knowledge management if surveying education and continuing professional development;
- promote the exchange of surveying personnel for greater understanding of all facets of the profession of surveying;
- support by seed funding conferences, meetings of young surveyors and similar events in co-operation with international agencies such as the United Nations.

In 2012 the FIG Foundation awarded FIG Foundation Young Surveyor Fellowships to four young surveyors from developing countries to cover the costs to attend and participate in the first FIG Young Surveyor Conference and FIG Working Week in Rome. These were awarded to Rizqi Abdulharis (Indonesia), Allan Luther Matontu (Tanzania), Aliona Scutelnic (Moldova) and Ronald Ssengendo (Uganda). Encouraged by the success of the Young Surveyors Conference and the enthusiastic participation of young surveyors at the 2012 working week the FIG Foundation also decided to fund and support young surveyors to attend other key events

including: World Urban Forum 6 (Naples, Italy), IV International Training Course in Topography for Young Surveyors (Madrid, Spain), FIG African Task Force Workshop (Accra, Ghana), Trimble Dimensions User Conference (Las Vegas, USA) and the FIG 8th Regional Conference (Montevideo, Uruguay).

The Board of Directors for 2012 were John Hohol, President (USA), Prof. Michael Barry (Canada), Prof. Steven Frank (USA), Prof. Chrissy Potsiou (Greece) and Prof. Paul van der Molen (Netherlands). The Foundation is also proud to acknowledge Trimble Navigation as an FIG Foundation Charter Partner.

► Read more: www.fig.net/figfoundation

2012 FIG Young Surveyor Fellows, FIG Young Surveyor Network Officers, FIG Foundation President, and FIG President during the FIG Young Surveyors Conference in Rome, Italy.

The FIG Foundation – How can I contribute?

Companies, associations, institutions, events, surveyors' groups and individuals may contribute to the Foundation. Large donations will be recognised by a plaque or a certificate of different categories reflecting the sum of donation.



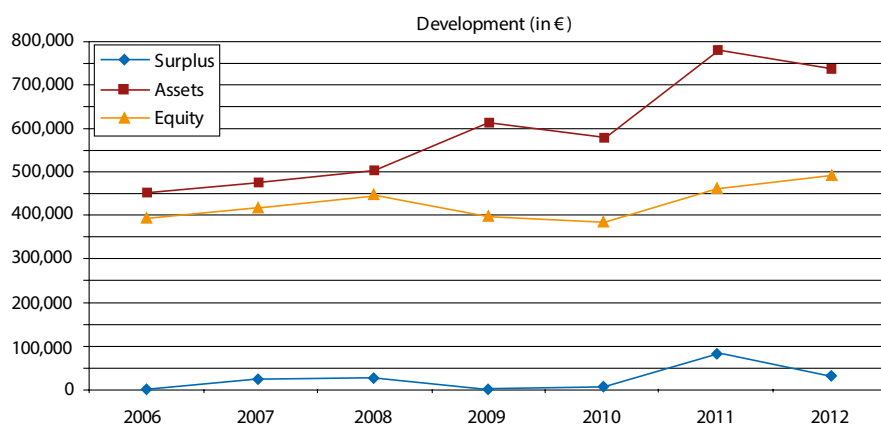
FIG Foundation Board of Directors with the four sponsored Young Surveyors and YS officers during the FIG 8th Regional Conference in Montevideo, Uruguay.

Income and Expenditure Account 2010–2012

REGULAR INCOME	Result 2012 ^{*)}	Budget 2012	Result 2011	Result 2010
Subscriptions (all figures in Euro)				
Member associations	309,305	302,000	292,657	283,051
Affiliates	26,980	24,000	24,523	20,203
Corporate members	85,815	91,000	92,091	88,874
Academic members	19,780	20,000	18,312	18,674
Less bad debts	-19,519	-15,000	-25,752	-20,540
Less change in provision for doubtful debts	-39,063			
	383,298	422,000	401,831	390,262
Financial income	7,631	5,000	7,274	6,259
Less banking costs	-1,177	-1,250	-875	-205
Events and other (incl. advertisements)	52,017	60,000	62,201	
Total regular income	441,769	485,750	470,431	396,316
REGULAR EXPENDITURE				
Administration	207,211	215,500	195,465	212,134
Marketing and publications	17,714	20,000	11,804	35,642
Council and executive management	161,061	194,500	162,388	208,746
Commission support	33,002	33,000	33,069	24,842
Total regular expenditure	418,988	463,000	402,726	481,364
Surplus/deficit of regular income over regular expenditure	22,781	22,750	67,705	-85,048
PROJECTS				
Events – funds received by FIG	20,000	40,000	29,720	85,599
Development spent	-12,860	-26,500	-17,405	-10,602
Other projects	0	0	0	14,096
SURPLUS OF THE YEAR (REGULAR)	29,921	36,250	80,020	4,045
Exceptional items	0		0	-14,808
RESULT				
Overall surplus/deficit in the year – normal activities	29,921	36,250	80,020	4,045
Exceptional items				4,325
Items funded from reserves				10,483
Total reserve at the year end	492,973		463,052	383,032
Specific reserves	25,000		25,000	–
General reserves	467,973		438,052	383,032
General reserve as a % of regular annual expenditure	112%		109%	79%

*) The accounts will be adopted by the General Assembly 6 May 2013. The income and expenditure presentation follow the template approved by the General Assembly in 2009.

FIG Balances 2006–2012



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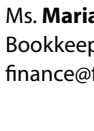
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FIG Communication

Since FIG has members throughout the World, communication and the sharing of knowledge becomes essential. FIG is in contact with all members through various channels and are also thankful for the communication each member provides to FIG.

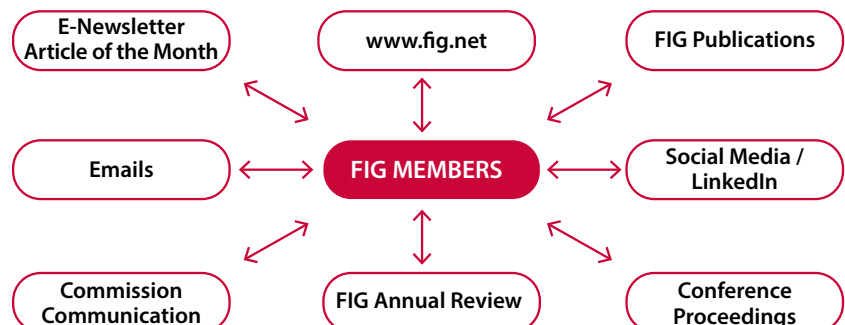


FIG Working Week 2013

“Environment for Sustainability”

6–10 May 2013 • Abuja, Nigeria

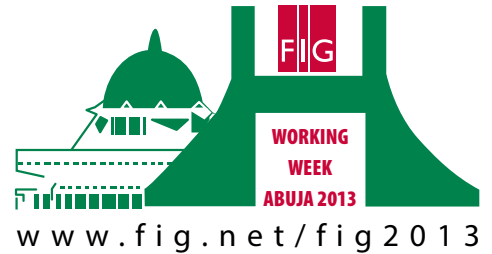


FIG and Nigerian Institution of Surveyors

are ready to welcome surveyors
from all over the world to
Abuja in May 2013!

Photo from FIG Working Week 2012 in Rome, Italy.

XXV FIG International Congress

“Engaging the challenges, Enhancing the Relevance”

16–21 June 2014 • Kuala Lumpur, Malaysia

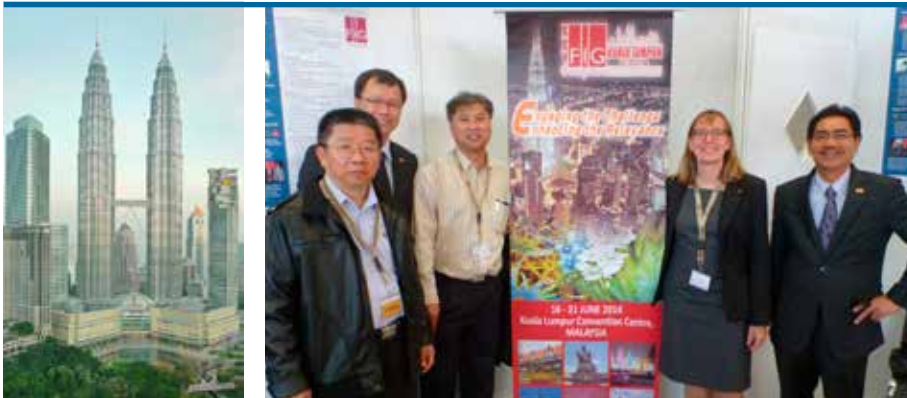


FIG and the local organizing committee are planning the Congress 2014 at the Kuala Lumpur Convention Centre.

Forthcoming events:

FIG Working Week 2015
17–21 May 2015
Sofia, Bulgaria
www.fig.net/fig2015

FIG Working Week 2016
May 2016
Christchurch, New Zealand
www.fig.net/fig2016

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