



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

ANNUAL
REVIEW
2013



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

FIG is recognised by United Nations and the World Bank Group as a non-governmental organization and continues 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 we are present. Our worldwide professional community measures and maps, estimates and costs, assesses and values, analyses and models, plans and manages the land and the seas, its natural resources and structures there upon for the effective planning and efficient administration of our natural and built environment.

The third year of this term, 2013, has been both busy and rewarding. FIG Council continued to deliver the adopted Work Plan with its three key pillars. This Annual Review covers the activities of FIG during 2013 and includes the ten FIG Commissions, the three Task Forces, the two FIG networks as well as the two permanent institutions and FIG Foundation. The FIG Working Week 2013 was successfully held in Abuja, Nigeria and was the largest Working Week ever in terms of participation. Together with FAO, UN-Habitat-GLTN and UN-GGIM, a Pacific Small Island Developing States Symposium was held in Fiji with the “Suva Statement on Spatially Responsible Governance” as an outcome. Also in 2013 was the inaugural FIG Young Surveyors European Meeting in

Lisbon, Portugal and it is encouraging to see the engagement and activities by the Young Surveyors and our membership.

In many of its engagements and collaborative activities, the Profession is realizing that it can, perhaps, bring about change in our lifetime, realizing the transformative potential that our unique position, as the “intersection” between the spatial and the societal, creates. The realization is that “business-as-usual” will not lead us to this bold new world and spatial knowledge and practices, spatial sciences and technologies, with creativity and innovation may well be those elements within the transformation needed to bring about this change. FIG has a treasured collaboration with various UN organizations and the World Bank and is privileged to be working on various initiatives such as the “Costing and Financing of Land Administration Services in Developing Countries (CoFLAS)” together with Global Land Tool Network, a review of the Social Tenure Domain Model (STDM) Phase II, STDM Training-of-Trainers Workshop as well as contributing a background paper on the “Critical issues relating to the Integrating Land and Marine Geospatial Information” within the UN initiative on Global Geospatial Information Management.

FIG remains thankful as it functions with the goodwill, resources and contribution of our corps of volunteers all over the world. We recognise that these volunteers are supported by their member organizations in FIG as well as by their employers or the organizations they represent. These contributions continue to allow FIG in its quest to extend the utility and usefulness of surveying for the benefit of society, environment and economy and as a consequence, increasingly positioned in significance and relevance.



CheeHai Teo
President

Cover photos:

Top: Full attendance at the Opening Ceremony. Photo by P. Larrakker.

Middle: FIG Council at the opening during FIG Working Week 2013. From left: Rudolf Staiger, Chryssy Potsiou, CheeHai Teo and Pengfei Cheng. FIG Vice President Bruno Razza could unfortunately not attend.

Bottom: Stephen Olubode Adeaga, President of NIS handing over the FIG flag to Mohammad Azmi Mohd Zin, President of Association of Authorised Land Surveyors Malaysia.

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



The General Assembly 2013 was held at Nicon Luxury Hotel and was well attended.

General Assembly 2013

Abuja, Nigeria, 6–10 May

FIG General Assembly 2013 was held during the Working Week in Abuja, Nigeria. 40 member associations were present at the two sessions of the General Assembly that was attended by approximately 400 delegates. The participants represented all membership categories as well as observers of which many were Nigerians who followed the General Assembly with great interest.

Among the decisions of the XXXVI General Assembly were the confirmation of Mr. See Lian Ong of RICS, United Kingdom to the position of Commission 10 Chair-Elect and Ms. Eva-Maria Unger of OVG, Austria to the position of Young Surveyors Network Chair-Elect. It was suggested to the General Assembly that in the future, Chair-Elect of YSN should be selected together with the selection of Chair-Elects of Commissions. One new member association was approved, Association des Professionels de l'Ingenierie Topographique du Gabon, APIT, and it was a pleasure to welcome back Bahamas Association of Land Surveyors (BALS) as a member association. The bid for the venue for the 2017 Working Week was postponed to 2014 as the FIG Council and Office have been working on a revision to the concept for administering FIG annual events. FIG Director Markku Villikka was appointed an Honorary Member. Markku has been active in FIG for more than 25 years and his appointment was greeted with a standing ovation from delegates and observers. Since 1999 Markku Villikka has worked as FIG Director and has developed the FIG Office to what it is today.

He left his post as FIG Director on 31 July 2013 due to health reasons.

The end of the General Assembly was symbolised by the traditional handing over of the FIG flag from NIS to PEJUTA.

Former FIG Director Markku Villikka was appointed Honorary Member of FIG at the General Assembly. President Teo presents the certificate to Markku Villikka in Helsinki.



FIG President Teo gives his closing speech at the Closing Ceremony after the second session of the General Assembly summarising the many activities that took place during the Working Week 2013.

Engaging the Membership

The Working Week 2013

Abuja, Nigeria, 6–10 May

The 2013 FIG Working Week and the XXXVI General Assembly with the overall theme, Environment for Sustainability, was held in Abuja, Nigeria between 6 and 10 May 2013. Surv. Stephen Olubode Adeaga, President the Nigerian Institution of Surveyors presided over the local organizing committee that delivered this special, colorful and energetic Working Week.

More than 2000 Nigerians and almost 250 International participants enjoyed the Working Week held at the Nicon Luxury Hotel and the International Conference Center that was next door to the hotel. The exhibition took place at both sites. Nigerian participants and the local organizing committee certainly showed their friendliness and hospitality in what was the biggest ever Working Week in the history of FIG in terms of participation numbers. Many different activities took place during the energetic week. A number of joint/special sessions were organized in cooperation with institutional partners including the UN-Habitat/GLTN and the World Bank. There were also many well-attended technical sessions that were convened during the week. The exhibition attracted 34 International and local exhibitors.

The main partner of the Working Week was UN-HABITAT/GLTN including a train-the-trainer workshop on STDM for Young Surveyors, four special sessions discussing approaches to safeguard, secure, support and sustain land rights for all which were also part of the FIG Director Generals/Surveyor Generals forum, a Joint UN-Habitat/FIG Commission 7 Session on Participatory and Inclusive Land Readjustment (PiLAR), and a UN-Habitat GLTN Africa LPI Capacity Development Special Event. Together with the World Bank two special sessions on Land Administration and Reform in Sub-Saharan Africa were also organized.

The technical programme included around 80 technical sessions, forums and workshop. There were up to 8 parallel sessions and during the three conference days there were nine slots for presentations. The technical sessions included normal papers, shorter flash presentations mainly on case studies and 24 peer reviewed papers that passed the double blind peer review process. All the sessions were well attended and participants engaged in lively discussions.

The social events showed the colorfulness and hospitality of the local host starting from the welcome reception to the FIG Foundation Dinner and the conference dinner which were almost certainly lively. The many participants from the Surveyors Wives Association gave extra color to



During both the Opening Ceremony and the Plenary Sessions there was a lively atmosphere.



There were several dance performances during the conference. All dances told a story from Nigeria.

Engaging the Membership

At the Opening Ceremony the Minister of Works Nigeria, Honorable Arc. Mike Onolememen delivered the opening speech representing the President of Nigeria, Goodluck Ebele Azikiwe Jonathan. The Minister stands next to FIG President Teo to the right in the photo. Third from right is NIS President Bode Adeaga.



the Working Week with their fantastic and color coordinated dresses and cheerfulness.

Opening ceremony

In his opening speech, President of Nigeria, Goodluck Ebele Azikiwe Jonathan stated that the theme is very appropriate and relevant for the current situation not only in Nigeria but also all over the world. His opening speech was delivered by the Minister of Works Nigeria, Honorable Arc. Mike Onolememen, who represented the President of Nigeria.

The President of the Nigerian Institution of Surveyors, Surv. (Hon) Bode Adeaga welcomed all the many participants who had come to the capital of Nigeria. In his opening speech, FIG President CheeHai Teo mentioned that "this worldwide professional community of surveyors measures, estimates, costs, values, assesses, collects, process, models, maps, reports, prepare contracts, plans and manages the natural and built environment for the effective planning, efficient administration and responsible governance of the land, the seas and its natural resources and any structures thereon." He continued: "FIG continues to provide the global forum for professionals, practitioners and partners as we seek to serve the policies, the places, and the people together". This 2013 Working Week once again bring together participants from different cultures, from diverse surveying traditions and varying professional experiences."

Drums and dancers from the Backbone Theater Company took over the stage at the opening, showing the rich cultural heritage of Nigeria. Each dance told a story from Nigeria.



The Director General Forum during FIG Working Week was organized in cooperation with UN-Habitat/GLTN. Four sessions were dedicated to this forum.



The Surveyors Wives Association was well represented during the conference and was a very colorful element with their beautiful and coordinated dresses.

► Read more: www.fig.net/fig2013

Engaging the Membership



Pacific Small Island Developing States Symposium

Novotel, Suva, Fiji, 18–20 September 2013

FIG convened the Pacific Small Island Developing States Symposium at Novotel Lami Bay Conference Centre in Suva, Fiji 18–20 September 2013. The Symposium was hosted by the Fiji Ministry of Lands and Mineral Resources and supported by FAO, UN-GGIM and UN-Habitat/GLTN. The local organizing committee comprised the Ministry, Fiji Institute of Surveyors (a member association of FIG) and the University of South Pacific (an academic member of FIG). 90 participants found their way to Suva to participate in the three day symposium from the following nations: Australia, Austria, China, Cook Islands, Fiji, Germany, Israel, Kenya, Kiribati, Malaysia, Micronesia, New Zealand, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, United States and Vanuatu.

This Symposium had as its background the seminar held during the XXIV FIG Congress, organized in cooperation with FAO to address the challenges Small Island Developing States are facing in achieving the Millennium Development Goals (MDGs) and with a special focus on the South Pacific Region. That seminar adopted the “Sydney Agenda for Action” that aimed at developing the capacity of our Profession to deal with these challenges.

The theme of this Symposium was “Policies and Practices for Responsible Governance” with three thematic tracks -

- Improved governance of tenure of land, fisheries and forests through the implementation of the Voluntary Guidelines on the Responsible Governance of Tenure;
- Improved geospatial information management through the strengthening of geodetic reference frame, national spatial information infrastructure, the creation, sharing and delivery of reliable geospatial information;
- Securing access to land, land and property rights including the administering of custom-

ary rights and implementing a plurality of tenure system.

Crosscutting themes included capacity development, professional development and climate change. The outcome of the Symposium

is the “Suva Statement on Spatially Responsible Governance”.

► Read more: www.fig.net/fiji



The Pacific Small Island Developing States Symposium with the overall theme “Policies and Practices for Responsible Governance” was an important step for FIG in cooperation with FAO and GLTN. Outcome was not only the Suva Statement, but the conference disseminated information on global level initiatives, and engaged the academic and teaching institutions to raise awareness of key surveying opportunities and challenges.



Engaging the Membership

1st FIG Young Surveyors European Meeting

Lisbon, Portugal, 17–18 October 2013

This new initiative from the FIG Young Surveyors with the theme “together for tomorrow’s challenges” brought together about 150 young surveyors from 32 countries that begin work towards a European Network of Young Surveyors to face the challenges. The event was organized by the Ordem dos Engenheiros, Portugal (Portuguese Order of Engineers) and the FIG Young Surveyors Network, supported by CLGE (represented by its President Jean-Yves Pirlot) and FIG Foundation (represented by its president John Hohol).

The meeting started with an informal ice-breaker at the home of ‘Ordem dos Engenheiros’, the Portuguese Order of Engineers. It was held in conjunction with the Closing Ceremony of the V International Course in Topography organized and hosted by the Italian association CNGeGL.

During the two days event there were a variety of sessions. Apart from keynote presentations, participants were grouped and worked together towards an European vision for their Network with the active participation and involvement of participating young surveyors. New format for delivery presentation was introduced, creating a dynamical environment and challenged the presenters and participants. For many of them it was the first time to present in English in front of over 150 participants. Therefore these kinds of meetings are not just essential for the future of the FIG Young Surveyors Network but helping and supporting the development of young surveyors through the creation of a platform for exchanges.

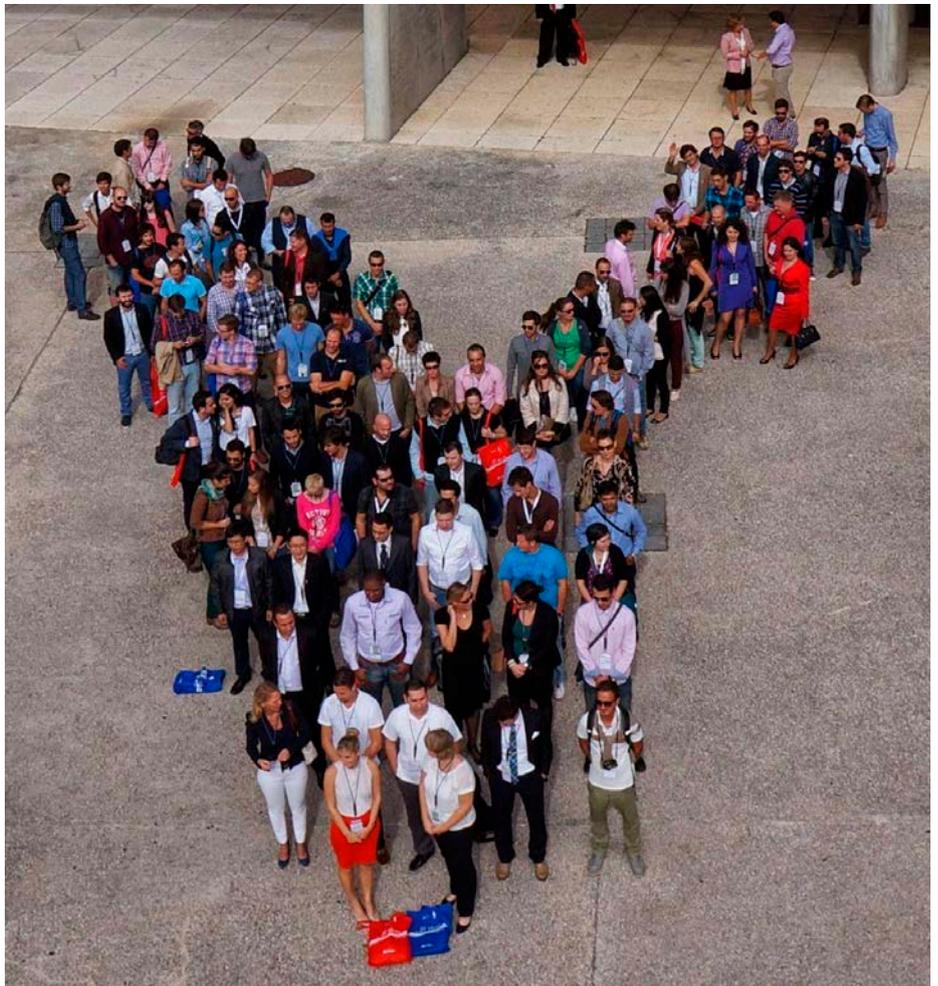
► Read more: www.fig.net/ys

FIG President Teo at the opening of the meeting encouraging the Young Surveyors to engage actively in FIG to get a network and to influence the future of the surveying field through FIG.



The participants at the Young Surveyors meeting showed enthusiasm and engagement.

Young Surveyor participants forming a Y while networking.



Engaging the Membership

Engagements and Visits

Council travels and visits in 2013 were managed and focused on engaging the membership and delivering the Council's Work Plan. FIG continues to engage the membership, primarily through the participation of events. Vice Presidents and the President, apart from engaging their respective home memberships and regional affiliations, engaged members in Bulgaria, USA, Kenya, Russia, Philippines, New Zealand, Australia, Fiji, Finland, Germany, Sweden, Portugal, Cameroon and The Netherlands. Vice Presidents also had on occasion, the opportunities to engage members (including FIG Affiliate, Academic and Corporate members) at various international, regional and national meetings and 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 these meetings and events.

► Read more: www.fig.net/news



FIG Council and Office thanks all members for their co-operation during the last year, which was busy with visits and activities. Thanks to all who contributed to activities and results during the year. This unique network and engagement is the foundation of FIG.

Engaging the Membership



Map based on information in May 2014.

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

Member Associations (December 2013)

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

Engaging the Membership

*) New member from 2014 who have applied and were admitted into membership up until the time of printing.

**) The General Assembly will decide on the membership at its meeting on June 16 2014.

Poland	Association of Polish Surveyors	St. Lucia **)	The Institute of Surveyors (St. Lucia) Inc. ISSL
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 Union of Romanian Geodesy	Syria	Order of Syrian Engineers and Architects (OSEA)
Russian Federation	Federal Service of State Registration, Cadastre and Cartography (Rosreestr) Non-commercial partnership “Self-regulated organization of activity of cadastral engineers”	Togo	Ordre des Géomètres du Togo
Senegal	Ordre National des Géomètres Experts du Senegal (ONGES)	Trinidad and Tobago	Institute of Surveyors of Trinidad and Tobago
Serbia, Republic of	Serbian Union of Surveyors	Tunisia	Association Nationale des Ingenieurs Géomètres-Experts Tunisiens (ANIGET)
Slovak Republic	Chamber of Surveyors and Cartographers, CSC Slovak Union of Surveyors and Cartographers	Turkey	Chamber of Surveying Engineers of Turkey
Slovenia	Association of Surveyors of Slovenia	Ukraine	Ukrainian Society of Geodesy and Cartography
South Africa, Republic of	South African Council for Professional and Technical Surveyors	United Kingdom	Chartered Institution of Civil Engineering Surveyors (ICES) The Royal Institution of Chartered Surveyors (RICS)
Spain	Spanish Association of Geodetic Surveyors	Uruguay	Surveyors Association of Uruguay (AAU)
Sri Lanka	Surveyors’ Institute of Sri Lanka	U.S.A.	National Society of Professional Surveyors (NSPS)
		Vietnam	Vietnam Association of Geodesy – Cartography – Remote Sensing
		Zimbabwe	Survey Institute of Zimbabwe

Affiliate Members (December 2013)

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

Academic Members (December 2013)

Australia	RMIT University, Department of Geospatial Science The University of Melbourne, Department of Geomatics University of New South Wales, School of Surveying and Spatial Information Systems	Australia (cont.)	University of Southern Queensland, Department of Surveying and Land Information University of Technology Sydney, School of Construction Property & Project Management
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Engaging the Membership

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

Engaging the Membership

*) New member from 2014 who have applied and were admitted into membership up until the time of printing.

Switzerland	University of Applied Sciences Northwestern Switzerland, School of Architecture, Civil Engineering and Geomatics	United Kingdom (cont.)	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		University of the West of England, Faculty of the Built Environment
	Zonguldak Karaelmas University, Geodesy and Photogrammetry (Geomatics) Engineering	USA	New Mexico State University, Surveying Engineering
Uganda	Makerere University, Geomatics and Land Management		Texas A&M University – Corpus Christi, Conrad Blucher Institute for Surveying and Science
United Kingdom	Kingston University, Faculty of Design		University of Houston, College of Technology
	Oxford Brookes University, School of Built Environment	International	UNIGIS International Association
	Reading University, Henley Business School, School of Rural Estate and Planning		

Correspondents (December 2013)

Madagascar, Thailand and Tonga.

Corporate Members (December 2013)

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

	COWI A/S, www.cowi.dk
	FARO Europe GmbH & Co. KG, www.faro.com
	Geoweb S. p. A, www.geoweb.it
	Thomson Reuters, http://grm.thomsonreuters.com
	Meridian+, www.agpmeridian.com
	The State Enterprise "State Land Cadastre Centre", Ukraine, www.dzk.gov.ua *)

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
	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

REGIONAL LEVEL

	Cameroon Engineering S.A., www.camengineering.inf
	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
	JKO Surveyors & Consultants (Pvt) Ltd, Sri Lanka, www.jko.lk *)
	MundoGEO, Brazil, http://mundogeo.com
	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: Leonie Newnham (SSSI, Australia)

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

Commission 1 continues the work on the changing nature of surveying work and the role of the professional, work at connecting with other like professional commissions operating in regional organizations, building supporting knowledge and materials for surveying professionals. The annual meeting was held at the FIG Working Week in Abuja. The changing role of the professional, the need for training and development opportunities across Africa, the wish to promote the profession to women building on successful initiatives in Nigeria and the develop of resources to assist in ethics discussions were discussed. Two technical sessions were held with joint sessions to develop professional activities across a broader sphere. Commission 1 participated in the workshop “The Changing Role of the Surveying Professional – Looking towards 2020”, Melbourne, Australia September 2013. The workshop reviewed the definition of a Surveyor as defined by FIG in 1991. This definition is broad and includes all forms of spatial professionals under its umbrella. The content is right but is missing some elements and the wording of the definition needs updating. Join the FIG Commission 1 sub-group on LinkedIn.

Commission 2 – Professional Education

Chair: Steven Frank (ACSM, United States)

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

Commission 2 has made progress on achieving its mission in the areas of curriculum, learning methodology, education marketing and recruitment, and education assessment. The working week in Abuja saw two sessions of Commission 2: surveying education in Africa and assessing education. Commission 2 also reviewed and recommended a series of articles on the Body of Knowledge for Surveying printed in the Surveying and Land Information Science journal. While not covering all aspects of surveying, the articles are good guidelines for developing technical curricula for surveying education



Commission Chairs and Chairs Elects met at the Working Week in Abuja, Nigeria. From left to right: Bryan Coutts (Com 1 chair elect), Leonie Newnham (Com 1), Liza Groenendijk (Com 2 chair elect), Yerach Doytsher (Com 3), Gordon Johnston (repr. Com 4), Angela Etuonovbe (Com 4 chair elect), Volker Schwieger (Com 5 chair elect), Ivo Milev (Com 6 chair elect), Hanne Elster (FIG Office), Paul van der Molen (repr. Com 7), Wafula Nabutola (Com 8), Kwame Tenadu (Com 8 chair elect), Robert Sinkner (Com 10). Sitting from left: Claudia Stormoen (FIG Office), Vice President Rudolf Staiger, Hyun Sook (Julie) Lee (FIG Office).



A creative moment at the Commission 1 meeting.

programs. Finally, a trip to New Mexico State University and to Texas A&M University, Corpus Christi, by a delegation of Russian surveying educators was arranged through Commission 2 by NavGeoCom, a Russian company related to Leica Geosystems. The trip allowed an excellent exchange on surveying education in both countries and the opportunity for our Russian visitors to enjoy American food and culture.

Commission 3 – Spatial Information Management

Chair: Dr. Yerach Doytsher (ALS, Israel)

Chair-elect: Enrico Rispoli (CNGeGL, Italy)

Commission 3 Working Groups focus on the contribution of spatial information for sustainable development. They continue to address

the phenomenon of rapid urbanization and its impacts with emphasis on the identification of spatial tools and general principles, norms and standards designed for good governance whilst using reliable and accessible spatial information. As in the last couple of years, Commission 3 continued the peer review option at its own symposia, and in addition to publishing the accepted peer reviewed papers in special issues of international professional journals (currently in the Survey Review Journal and the Surveying and Land Information Science Journal). Commission 3 participated in the annual FIGWW 2013 conference with 4 technical sessions and co-organized the annual 2013 FIG Commission 3 workshop/conference 2013, November in Skopje, FYROM/Macedonia, jointly with FIG Task Force on Prop-

Engaging Global Challenges



FIG is a founder member of the International Property Measurement Standard Coalition through FIG Commission 9.

erty and Housing, and the South-East European Research Association on Geo-Sciences (Geo-SEE). The event was defined as “International Conference: Spatial Data Infrastructures & Spatial Information Management 2013”.

Commission 4 – Hydrography

Chair: Dr. Michael Sutherland (CIG, Canada)

Chair-elect: Angela Etuonovbe (NIS, Nigeria)

Commission 4 representatives have been active in producing publications (both FIG Publications and other), organizing workshops/conferences/conference sessions, participating in FIG Task Forces, and pertinently representing FIG on international Boards and at international meetings. Apart from FIG Working Week in Abuja, Nigeria, Commission 4 also participated in a joint FIG-IHO One-Day Strategic seminar on the “Blue Economy”, in April organized by Commission 4 Vice Chair Mr. Gordon Johnston, joint IHO-FIG-IMO-IOC Strategic Capacity Building meeting in Monaco, November; UN-GGIM Meeting, Cambridge, England, July 24–26 and the FIG/IHO/ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC) meeting.

Commission 5 – Positioning and Measurement

Chair: Dr. Mikael Lilje (ASPECT, Sweden),

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

The year 2013 for Commission 5 has been primarily focused on the technical activities for the FIG operational surveyor. The workings have been associated with the technical program for FIG 2013 Working Week in Abuja, the FIG/IAG/ICG/UN-GGIM Reference Frame in Practice technical seminar that was held in conjunction with the 2013 South East Asia Survey Congress in Manila, Philippines; as well as dedicated sessions at the FIG Pacific Small Islands Developing States

Symposium in Suva, Fiji. Commission 5 has also continued an effective collaboration with their international sister organizations to promote and fulfil the FIG objectives and the five missions of the work plan, especially at events such as the International Committee on GNSS-8 (Dubai, UAE) and the Mobile Mapping Symposium 2013 (Tainan, Taiwan). In addition to this, the Commission has been preparing two publications. The first is an updated version of FIG Publication No 49 – *Cost Effective GNSS Positioning Techniques*, and the second is a new publication consisting of technical fact sheets to form a “Reference Frames in Practice Manual”. Another key highlight of 2013 was the preparation of a special edition for the Journal of Applied Geodesy which was undertaken with IAG and includes papers on Ubiquitous Positioning and Navigation Systems.

Commission 6 – Engineering Surveys

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

Chair-elect: Ivo Milev (USLMB, Bulgaria)

Commission 6 participated in the FIG Working Week in Abuja, May 2013 in 2 technical sessions, presenting 7 papers. Hereto they held their annual meeting, Together with Commission 5 and IAG a Technical Seminar on Reference Frame in Practice was held in June 2013, Manila, Philippines. The 2nd Joint International Symposium on Deformation Monitoring was held at the University of Nottingham 9–11 September 2013. Some 84 papers were presented in all, from all around the World.

Commission 7 – Cadastre and Land Management

Chair: Daniel Roberge (CIG, Canada)

Chair-elect: Gerda Schennach (OVG, Austria)

Commission 7 has been very active during this term thanks to the involvement of the management team, the Commission 7 delegates and

speakers from International organizations. The Annual meeting held in Yaoundé in October 2013 was combined with the General Assembly of the Fédération des géomètres francophones (Francophone Federation of Surveyors) and an International symposium on Land Policies and Land Governance and was organized in close cooperation with UN Habitat, the Fédération des géomètres francophones and the colleagues from Cameroon. The objective to promote “land rights infrastructures and good land governance to contribute to sustainable development” was achieved by organizing these symposia in Argentina (2012) and Cameroon (2013) but also by presenting a series of papers at World Bank Land and Poverty Conferences, at FIG events, at a GLTN partner meeting and at LADM workshops. Papers have been published at www.oicrf.org and at the FIG website. Apart from conference papers a series of publications was prepared for professional Journals. The FIG Page in GIM International has been published monthly.

Commission 8 – Spatial Planning and Development

Chair: Wafula Nabutola (ISK, Kenya)

Chair-elect: Kwame Tenadu (GHS, Ghana)

During the FIG Working Week in Abuja, Nigeria Commission 8 held its yearly meeting with good representation. Further to this the commission had organized sessions about water, landuse and landcover, the use of geoinformation, GIS tools and techniques, as well as GIS and remote sensing. The commission continues its work plan with emphasis on Planning Strategy for Urban Development and Regeneration, Informal Settlements Issues in Spatial Development Planning and Governance; Re-engineering Mega Cities and Land Policies: Land Use Planning Control and Implementation.

Commission 9 – Valuation and Management of Real Estate

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

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

The work plan of the Commission continues with the focus on Property Taxation, specifically Automated Valuation Models (Study Group 9.1 Varnavas Pashoulis), Large Scale Land Acquisitions (Working Group 9.2 Ibimena Kakulu) and, in conjunction with Commission 7, the Management of Public Property Assets in Developing Countries. Commission 9 is also involved in widespread discussions of methods of valuation where there is no market and this was one of the major focus areas for the commission at the Working Week in Abuja, Nigeria in May. The commission organized two dedicated sessions on Land Tenure and Taxes and Valuation.

Engaging Global Challenges

FIG is a founder member of the International Property Measurement Standard Coalition and Chair of Commission 9, Frances Plimmer is FIG contact person to the coalition. The aim of the Coalition is to enable properties to be measured on a transparent basis that promotes market efficiency through greater confidence between investors, occupiers and funds.

Commission 10 – Construction Economics and Management

Chair: Robert Sinkner (CUSC, Czech Republic)

Chair-elect: Mr. See Lian Ong (RICS, Malaysia)

The commission is in this term concentrating on the following themes: Construction technologies, methodologies and liveable cities; Improving conditions in informal settlement with innovative construction methodologies; Large size construction management support by surveyors; Green Management, Green Contracts and Procurement; Sustainable housing, “green building” programmes and indexes; Innovative house building and mass customisation in housing; Whole Life Cycle Assessment; and Publicising and promoting the work of surveyors to the public, particularly young people, governments and non-governmental organizations, and enhance its perception of the value of surveyors and the services that they deliver. At the Working Week in Abuja the commission held its yearly meeting and organized a session on Construction Economics and Management.

► Read more: www.fig.net/comm

Permanent Institutions

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

Director: Jan de Graeve (UBGE, Belgium)

The IIHSM was present at the FIG Working Week in Abuja, Nigeria. The Nigerian colleagues had prepared a book on the history of their profession that was distributed during the IIHSM symposium. A long term member of IIHSM, Alan Wright died unexpectedly, but his colleagues managed to fulfill his long lifetime dream to find a permanent home for his large collection of EDM instruments – particularly Tellurometers at the Department Surveying and Geography, Gent University in Belgium, where it will be useful for the next generation of surveying students. The collection will be called “The Wright- Draper Collection” after Alan and his colleague Malcolm Draper who supplied many of the instruments.

The IIHSM was created officially in Melbourne 1994 but was already active since 1980 under Commission 0 or part of Commission 1. The Institution is seeking new blood to join the commit-

Task Forces

A FIG Task Force researches and advises on matters of an administrative or of a general policy nature. During this 4 year term 2011–2014, FIG President and Council established two new Task Forces for the term 2011–2014 on Surveyors and the Climate Change and on Property and Housing. The Council also decided to sustain two already existing task forces on Africa for the term 2011–2014 and on Spatially Enabled Society that finalised its work in 2012.

FIG Task Force on Surveyors and the Climate Change

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

The Task Force on Surveyors and the Climate Change has throughout the last years identified 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. The task force has also considered 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. During 2013 members of the Task Force have worked intensely to complete their writing assignments on the above areas. The task force had a special session at the Working Week 2013 in Abuja, Nigeria to discuss the findings.

tee. Devotees of the history of surveying and who would be interested to join in the organization of events and be willing to be active with new projects as they arise are encouraged to contact FIG.

The International Office for Cadastre and Land Records (OICRF)

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

OICRF serves as a documentation and study centre for land administration. OICRF maintains a digital library that contains 12,979 publications (December 31, 2013), which includes conference documents, magazine articles and reports on land administration. In 2013 the digital library got about 15,000 visitors. About 12,000 papers have been downloaded. During a Workshop on the Land Administration Domain Model, held in Kuala Lumpur, Malaysia, in September 2013 the idea was launched to provide OICRF a role in keeping overview in different types of land rights worldwide. During the Global Land Tool Partners Meeting held in The Hague, The Netherlands, in November 2013 a co-operation with Land Portal has been discussed.

FIG Africa Task Force

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

The Round Table session at the Working Week in Abuja, Nigeria focused on pulling together recommendations from the results of the previous years work, conferences and sessions. These recommendations are used for a FIG Publication. 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.

FIG Task Force on Property and Housing

Chair: Dr. Chryssy Potsiou (TCG, Greece)

At the FIG Working Week the Task Force had a special session on Property and Housing. Together with Commission 3 the Task Force co-organized the annual 2013 FIG Commission 3 workshop/conference 2013, in November, Skopje, FYROM/Macedonia on Spatial Data Infrastructures & Spatial Information Management 2013. The Task Force investigates the challenges and major threats resulting from the current global financial crisis, and identifies new roles for the surveyor to secure access to land and property rights, secure mortgage rights, sustainable housing, housing rights and land market, redevelopment and urban regeneration.

Read more: www.fig.net/tf

Networks

Young Surveyors

The FIG Young Surveyors Network will at the end of 2014 complete its first full term as a Network! 2013 is particularly symbolic of the growth experienced, as FIG-YSN worked harder than ever to grow their base of active young surveyor contributors, held more events than in any other year and recommended more young surveyors to take part in higher-level meetings and activities. The 2013 FIG Working Week was particularly successful, as each day of the Working Week included a joint Young Surveyor session with each of the Commissions and a three-day Joint UN-Habitat, GLTN and FIG Social Tenure Domain Model (STDM) Training of the Trainers Workshop for Young Surveyors delivered by GLTN Secretariat jointly with FIG-YSN.



Engaging Global Challenges

The FIG-YSN leadership team also played a key role in coordinating the FIG Pacific Small Island Developing States Symposium, ensuring wider young surveyor representation from this region. In addition to events at the working week, a one-day STDM Introduction Workshop was coordinated and delivered by FIG-YSN on 23 September, hosting 35 land professionals in a pre-event to the 2013 Land Administration Domain Model Workshop, held in Kuala Lumpur, Malaysia. Another important step towards regionalization of the network, the First FIG YS European Meeting was convened in Lisbon, Portugal, 17–18 October 2013. Around 150 young surveyors from 32 countries gathered together to work towards a European Network of Young Surveyors.

FIG-YSN leverages on social media to enhance its visibility and camaraderie and among others, expect to achieve over 3000 Facebook group participants before arriving into Kuala Lumpur for the 2nd FIG Young Surveyors Conference.

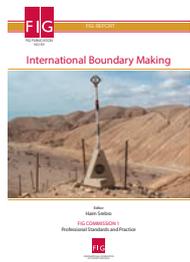
FIG Standards Network

Chair: Mr. David Martin (ESRF, France)

After the major achievement in 2012 when the publication of a comprehensive comparative study, the Land Administration Domain Model (LADM) was published as ISO 19152, the Standards Network has been following the development with ISO. 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.

FIG Publications

Publication 59: FIG report on the International Boundary Making



This new publication addresses surveying methodology and experiences in the delimitation and demarcation of international boundaries. Commission 1 has initiated the publication, and main editor is Haim Srebro. The United Nations Cartographic Section reviewed the publication and it was supported by New Zealand Institute of Surveyors. The publication is a reference publication for all involved or interested in international boundaries and fills a gap both in surveying and international boundary literature.

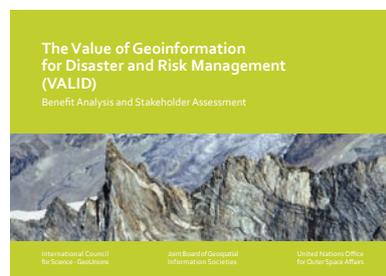
► Read more: www.fig.net/pub/figpub

Cooperation with 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 Potsdam, Germany on 31 August 2013 reaffirmed Prof William Cartwright from International Cartographic Association as the Chair for a further period of one year. Vice President Rudolf Staiger represented FIG at this annual Joint Board meeting. It remains important for JBGIS to coordinate the busy events calendar each year to ensure that our Professional and scientific activities within our community complement and contribute to one another and are not in conflict.



Publication on "Value of Geoinformation for Disaster and Risk Management (VaLID)"

FIG participated in the collaborative effort under the auspices of JBGIS and led by ISPRS First Vice President Orhan Altan in the preparation of the VaLID Publication that was launched on 3 September 2013, Vienna, Austria at UNOOSA. President Gert Steinkellner of OVG, Austria, represented FIG Council at the launch.

150th Anniversary of the International Association of Geodesy



2013 marked the 150th anniversary of IAG and this was celebrated at its 2013 Scientific Assembly, 1–6 September 2013, Potsdam, Germany. Vice President Rudolf Staiger represented FIG at the celebrations as well as the Scientific Assembly.

FIG once again collaborated with IAG in realising the "Reference Frames in Practice Workshop",

21–22 June 2013, Manila, The Philippines. This workshop was delivered through FIG Commission 5 and hosted by the organizers of the 12th South East Asian Survey Congress with the support of ICG/UNOOSA.

IPMS Coalition

FIG is part of the International Property Measurement Standards Coalition (IPMSC), a group of professional and not-for-profit organizations from around the world that has decided to come together to develop an international standard for property measurement. The aim being to work together to develop a unified office property measurement standard that will ensure that property assets are measured in a consistent way, thus creating a more transparent marketplace, greater public trust, stronger investor confidence, and increased market stability. IPMS Coalition is expected to launch the International Property Measurement Standards for Office Building at the XXV FIG Congress.

FIG's participation is delegated to FIG Commission 9: Valuation and Management of Real Estate, and is represented in the Coalition by its Chair, Frances Plimmer. Colleagues from ACCO and the Standards Network supported FIG Commission 9 in this work.



Global Land Tools Network 5th Partners Meeting

The 5th edition of the GLTN partners' meeting was hosted by the Government of the Kingdom of The Netherlands at Den Haag, 11–14 November 2013. It had three main objectives:

- Strengthening partnerships and networking at global, regional and national levels.
- Promoting and rolling out tool development and implementation, capacity development and good learning practices at country level and in programmes.
- Expanding country level operations in a coordinated and strategic fashion.

President, incoming Chair of Young Surveyors and FIG Manager represented FIG.

Enhancing the Relevance

Co-operation with the World Bank

Annual World Bank Conference on Land and Poverty 2013

Washington DC, United States 8–12 April 2013
“Moving towards transparent Land Governance: Evidence-based next Steps”



The Annual World Bank Conference on Land and Poverty aims to foster dialogue and sharing of good practices by showcasing the diversity of reforms, approaches and experiences that are being implemented in the land sector around the world. The theme of 2013 edition was “Moving towards transparent land governance: Evidence-based next steps”.

The Bank and FIG have had strong formal partnership since 2007. For the 2013 Conference, FIG and the Bank collaborated on nine parallel sessions and a post-conference “by invitation only” Expert Group Meeting with a focus on “Spatially Fit-for-Purpose”.

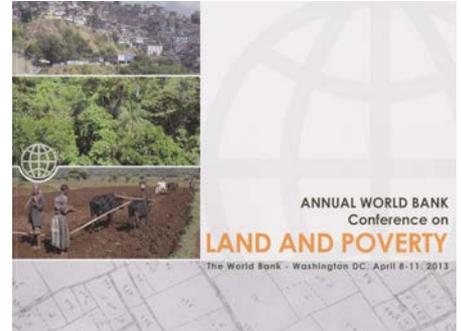
FIG participated in a number of activities and events including the DGF Steering Committee Meeting and a series of Pre-conference workshops on global support to voluntary guidelines implementation; using land governance assess-

ment framework to inspire policy change; and improving country level policy and practice.

In collaboration with UN-Habitat, Global Land Tool Network and the World Bank, FIG facilitated a well-attended roundtable on Continuums within the Continuum of Land Rights. The focus was to contextualize the continuum of land rights and explore its wider implications in the land sector, spatial technologies, land sector approaches and methods, land measurements, land markets, etc.

FIG knows that collaborative efforts to improve land governance must continue and will require that the Profession does not complicate further that which is already complex. The profession has to bring forth solutions. This requires a change in attitude as well as to continue sustaining efforts to improve land governance through the development of fit-for-purpose tools, approaches and solutions. Tools and approaches with incremental technological sophistication, robustness and accuracies.

There was also an Expert Group Meeting (EGM) convened by the World Bank and FIG



on the sideline of this annual conference, that brought together representatives of donors, governments, professional bodies, academe and industry to openly discuss “fit-for-purpose” approaches and investment in support of land administration and management. The EGM considered trends and issues, design options, importance of scale, scalability and sustainability as well as evidence from experience. Participants quickly and readily agreed that the Profession is and must remain fit for purposes. Both the Bank and FIG agreed to progress this agenda, initially towards a statement of principles on fit-for-purposes.

Co-operation with the United Nations

Global Land Tool Network facilitated by UN-Habitat

Modernising Land Agencies Budgetary Approach: Costing and Financing of Land Administration Services in Developing Countries (CoFLAS)

FACILITATED BY:



FIG with the support of Lantmäteriet (Sweden) and Kadaster International (The Netherlands) collaborated with

Global Land Tool Network (GLTN) and embarked on a process to develop a tool that can assist policy makers and those responsible for land administration to adopt appropriate technologies, methodologies and processes that will provide land administration services more efficiently, cost effectively and with options more appropriately tailored for incorporating all tenure types.

The first objective of the CoFLAS project is to develop a useful and practical tool whereby the costing and financing of land administration services in developing countries can be reformed or revitalized and modernized with a view to enabling the agencies to provide cost effective, efficient, sustainable and affordable



GLTN meeting on CoFLAS in Gävle, Sweden, October 2014.

services. The methodology, where appropriate and through incremental process, ought to lead to some kind of cost recovery, but without compromising quality of services provided and limiting access to services especially of the poor and vulnerable.

The second objective of the CoFLAS project is to organize and lead a process of peer reviewing and validation of the tool development process through the convening of meetings of experts. To date, two such meetings have been convened. The first was hosted by Kadaster Inter-

national in Rotterdam, Netherlands May 16–17, 2013 and brought together the global experiences of land administration reform professionals to understand the information that needs to be gathered within this process. Lantmäteriet hosted the second meeting in Gävle, Sweden, 14–15, October 2013. This second meeting updated all stakeholders on the status of the CoFLAS tool development exercise and obtained further expert guidance on the way forward.

The challenges that this tool will try to grapple with are finding optimal solutions whereby

Enhancing the Relevance

these new realities and multiple trends can be accommodated with a view to making land agencies relevant to the time and the public they serve. The tool will not provide countries with single solution, but instead will describe a range or ranges of options that can be appropriately adopted according to the laws, policies, institutional arrangements of the jurisdiction, the capacity and ability to enhance as required. The aim of this tool is to guide decision makers through an appropriate and incremental process towards improving efficiencies with good practices and budgetary options, but without compromising the quality of services provided, nor limiting access to services especially for the poor and vulnerable.

Social Tenure Domain Model (STDM)

FIG undertook a peer review of the STDM Phase II with a group of recognized academics, researchers and practitioners from FIG's membership base. Reviewers affirmed the five crucial elements of the STDM – its flexibility, simplicity, affordability, inclusivity and its advocacy for good governance. They believed STDM can help to improve the wellbeing of societies through better administration of land and its resources; this administration can be made more effective by improving the processes, collection and aggregation of associated land information. Within FIG, STDM is seen, and was thus reviewed as, a pro-poor, participatory and affordable land tool. It is an alternative and/or another option to "doing business" in the land sector and has the potential to provide security of tenure at scale due to its innovative approach.

STDM is focused on people – all people and all types of "people-to-land" relationships. It began as an initiative to support pro-poor land administration, specifically in countries with very little cadastral coverage, in urban areas with informal settlements or in rural areas with cus-

tomary tenures. It is also meant for post-conflict areas. STDM is also relevant in situations where a land rights infrastructure already exists; it supports and supplements existing approaches to enhance existing land administration and management.

The review concluded that FIG must remain a committed partner to the STDM and, together with GLTN and other GLTN partners, the responsibility to ensure STDM remains true to its founding concept and ideals. FIG should contribute to its continuing development, enhancement and use as an effective pro-poor, participatory and affordable land tool. FIG also has a responsibility to actively create awareness and promote the usefulness and use of STDM as a tool among its membership and its sphere of influence.

In discharging these responsibilities, a one-day workshop on "Introduction to STDM: A pro-poor land information system" was held to an audience comprising primarily of officers from public agencies in the land sector on 23 September 2013 in Kuala Lumpur, Malaysia. University of Technology Malaysia, Department of Survey and Mapping Malaysia and the Association of Authorised Land Surveyors Malaysia hosted this workshop. FIG Young Surveyors Network and GLTN Secretariat delivered it.

Prior FIG Working Week a three-day Joint UN-Habitat GLTN and FIG Social Tenure Domain Model (STDM) Training of Trainers Workshop for Young Surveyors/Professionals was held. The training provided participants with an appreciation of the concepts behind the STDM. Participants developed an understanding of the STDM's contribution to addressing key land issues and the role of surveyors in partnership with grassroots communities. There was also a technical element to the training, with participants engaging with the elements of database management, and gaining an overview of the structure of the software itself – learning how

to enter, manipulate and analyse data. To ensure the ongoing use and development of the STDM, participants further took the opportunity to provide feedback on key STDM concepts and its accompanying information system and shared how STDM could fit into their own work and country context. In the end, the participants were challenged to redefine their land surveying profession to meet the challenging needs of communities both now and in the future. All participants are now considered Trainers, and all have plans to extend the knowledge of STDM back in their home countries.

Continuum of Land Rights and Increasing Urban Tenure Security

9–11 October 2013, Johannesburg, South Africa

The continuum of land rights is a key GLTN concept that underpins many of GLTN approaches and tools. There is the growing acceptance of the continuum of land rights and of alternative forms of tenure, all part of a fundamental paradigm shift in the global understanding and approaches to land. Arising from this growing acceptance of the legitimacy of a range of land rights and alternative forms of secure tenure, GLTN undertook a research project titled "Increasing Urban Tenure Security: Investigating the continuum of land rights in practice in selected sites in Southern Africa" in partnership with another GLTN Partner, Urban LandMark

As part of this research, an Expert Group Meeting (EGM) on "The Continuum of Land Rights: Reviewing the concept and investigating the evidence in selected sites in Southern Africa" was convened. The EGM brought together GLTN Secretariat, GLTN partners, FIG being one, international and local experts and implementers, to review the continuum of land rights, with specific reference to the research in five Southern African countries. One of the findings, relating to a move into country-level work, is the development of a new tool, a 'Continuum Assessment Framework', which could assist in the research and documentation of the context specific application of the 'Continuum of Land Rights'.

United Nations Global Geospatial Information Management (UN-GGIM)

Third Session of the United Nations Committee of Experts on Global Geospatial Information Management
24–27 July, 2013, Cambridge, United Kingdom



The sessions was hosted by Ordnance Survey United Kingdom and organized in collaboration with UNGGIM Secretariat.

The FIG President was joined and supported by Mr. Gordon Johnston, Vice Chair of FIG Com-



STDM train-the-trainer session organized by GLTN together with FIG Young Surveyors.

Enhancing the Relevance



Participants at United Nations Committee of Experts on GGIM. (Photo: Courtesy of UN-GGIM/Ordnance Survey.)

mission 4 at this third session. The final report on 'Future trends in geospatial information management: the five to ten year vision' prepared by the United Kingdom in collaboration with the Working Group on Future Trends in Geospatial Information Management was endorsed. The Committee agreed that the document is a "living document" and will need to be regularly revisited, reviewed and revised. FIG prepared and submitted a background document that was referred to when the Committee of Experts considered "Critical issues relating to the integration of land and marine geospatial information". This background paper was jointly authored by FIG President, Mikael Lilje (FIG Commission 5) and Jerry Mills (FIG Commission 4)

The paper reiterated that to integrate land and marine geospatial information, FIG saw the need to: build and use common standards and frameworks to ensure interoperability; enhance institutional arrangements and stakeholder collaborations; and improve returns on investment through better coordination, use and reuse of data, information and systems and to enhance innovation and productivity. Building infrastructure for the gathering, validation, compilation and dissemination of geospatial information is as important to countries as the building of roads, telecommunications networks, and the provision of other basic services. This is a critical aspect of the national and global information infrastructure. However, it is increasingly recognized that the major barriers and impediments to building geospatial information infrastructures will not be technical ones, but rather institutional and organizational, including the

ability to motivate countries to collaborate with one another.

Working Group on Development of a Statement of Shared Principles for the Management of Geospatial Information

The establishment of a working group was requested by the UN-GGIM. The overall objective of this "Working Group on Development of a Statement of Shared Principles", FIG being a member, is to prepare a preliminary proposal for a set of shared principles on the management of geospatial information. The proposal should provide simple, but clear statements, principles/common values that would help to guide the behaviour of, and serve all national and global geospatial entities engaged in, the collection, production, management, and dissemination of geospatial information.

Proposed United Nations General Assembly Resolution on Global Geodetic Reference Frame

The objective of this United Nations Resolution is to ensure the sustainability and enhancement of the Global Geodetic Reference Frame by:

- a) Encouraging enhanced global cooperation in geodesy;
- b) Encouraging maintenance and enhancement of geodetic infrastructure;
- d) Encouraging free and open geodetic data access policies and reducing data security concerns;
- d) Motivating Member States to improve international engagement on geodetic matters;
- e) Facilitating improved intergovernmental

- coordination of geodetic activities, standards and infrastructure development; and
- f) Providing recognition that the contributions by Member States to the global geodetic infrastructure are to the benefit of all.

The aim of this Resolution is to mandate the development of a global geodetic roadmap that addresses key elements of Global Geodetic Reference Frame sustainability and enhancement including: the implementation of geodetic instrumentation and the associated data analysis and product generation, coordinated policies; common standards, methods and approaches; and options for sustainable investment including those made through strategic international partnerships.

Chengdu Forum on United Nations Global Geospatial Information Management *15–17 October 2013 Chengdu, PR China*

Chengdu Forum on United Nations Global Geospatial Information Management, continues a series of GGIM Forum hosted by the National Administration of Surveying, Mapping, and Geoinformation, Ministry of Land and Resources, People's Republic of China. The Forum attracted participations from about 40 countries and also included those from international organizations and industry. Vice President, Prof. Pengfei Cheng represented FIG. Mr. Hongbo Wu, the UN Deputy Secretary General recognized the critical role of geospatial information in sustainable development and humanitarian assistance. He observed that UN-GGIM is responding to the multitude of challenges faced by humanity within our global society. The Forum in particular, encouraged efforts in the areas of risk management, disaster reduction and relief.

Food and Agriculture Organization of the United Nations

The FAO Technical and Awareness Raising Workshop on the Voluntary Guidelines on Responsible Governance *13–15 August 2013, Bangkok, Thailand*

The workshop was organized by Energy, Climate and Tenure Division (NRC), FAO. The Workshop is part of FAO's strategy to raise awareness on the Voluntary Guidelines and to discuss the implementation and use, particularly at the national and local levels. The regional focus of this Workshop is Asia. The final two edition of this series of regional Workshops was in Bogota, Columbia (16–18 September 2013) and Sofia, Bulgaria where FIG had suggested our local membership there for FAO's consideration.

The Workshop aimed at supporting activities and actions to improve governance of tenure



Enhancing the Relevance

of land, fisheries and forests with the following objectives-

- Present and discuss the contents and development of the Voluntary Guidelines;
- Discuss and analyse the use of the Voluntary Guidelines in a range of countries and contexts;
- Discuss and propose actions to implement the Voluntary Guidelines and to improve governance of tenure; and
- Link with existing initiatives to create networks at regional and national levels.

The Workshop provided the necessary multi-stakeholder dialogue, bringing together stakeholders (governments, civil society, academia and professionals) to share knowledge, information, experiences and practices on the responsible governance of tenure at the local and national levels. FIG was invited to support and participate in the Workshop and a presentation “The International Federation of Surveyors and the Voluntary Guidelines” was made on the first day of the Workshop.

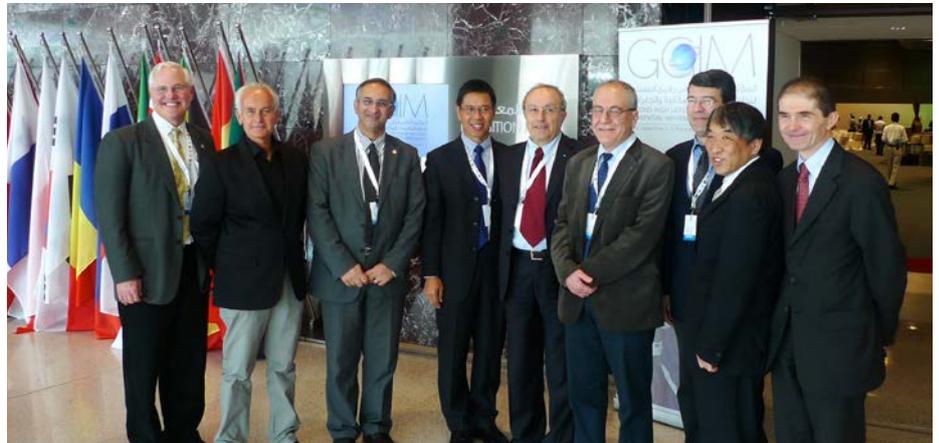
United Nations Regional Cartographic Conference for the Americas

The 10th United Nations Regional Cartographic Conference for the Americas was held from 19–23 August 2013 at the UN headquarters in New York with the theme “UN-GGIM and the Americas: Addressing global challenges through geospatial information”. UNRCC-Americas provides a regional forum to address their common challenges and share experiences and expertise in the field of surveying and mapping, cartography, hydrography, remote sensing, land and geospatial information systems.

For the technical conference FIG contributed with a presentation on Spatially Enabled Society, informing the Conference on its work on Spatially Enabled Government and Society. FIG observed an opportunity to link spatially enabling society with the Post-2015 Development Agenda the posed to the Conference a question, whether UN-GGIM will be the inter-governmental mechanism for the location and geography needed for “realizing the future we want for all”? The Conference established three technical committees.

United Nations Office for Outer Space Affair (UNOOSA)

The eight meeting of the International Committee on GNSS (ICG-8), 10–14 November 2013, Dubai, UAE was attended by Mikael Lilje, Chair FIG Commission 5 who is also FIG’s representative to UNOOSA and ICG. FIG is an Associate Member of the ICG, formed as a result of recommendations of the UN Committee on the Peaceful Use of Outer Space (COPUOS), as ratified by



Members of the JBGIS present at the UN-GGIM Forum in Doha took the opportunity to have an ad-hoc meeting on the sideline of the Forum.



Third Session of the United Nations Committee of Experts on Global Geospatial Information Management July 2013, Cambridge, United Kingdom. From left to right: Greg Scott (UNGGIM Secretariat); Kyoung-soo Eom (UN Cartographic Section); Stefan Schweinfest (UN Statistics Division); Dr Vanessa Lawrence and Prof. Paul Cheung.

the General Assembly of the UN. UNOOSA also supported the IAG/ICG/FIG Technical Seminar on Reference Frame in Practice held in Manila, The Philippines in 2013.



ESCAP



United Nations Economic and Social Commission for Asia and the Pacific
UNESCAP working with UN-HABITAT Regional Office for Asia Pacific (UNHABITAT-ROAP) with the support of FAO, the World Bank and GLTN, is intending to embark on a regional land tenure initiative for Asia and the Pacific. It has to be appreciated that Asia and the Pacific as a region has

geographical scope that stretches from Turkey in the west to the Pacific island nation of Kiribati in the east, and from the Russian Federation in the north to New Zealand in the south, the region is home to 4.1 billion people, or two thirds of the world’s population. The region is diverse on all counts, to say the least.

A region-wide land tenure initiative is necessary to support the region’s sustainable social, environmental and economic development, the aspirations and the challenges. FIG has signaled its readiness to support such an initiative. FIG hopes to bring together a coalition of research, education and training institutions from amongst its academic membership base, especially those from the region, to support this initiative.

Enhancing the Relevance



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 2013 the FIG Foundation awarded five Young Surveyors Conference Fellowships to provide funding for young surveyors from developing countries to cover the costs to attend and participate in the the FIG Working Week in Abuja. These were awarded to: Thandinkosi Gracious Dewah (Zimbabwe), Bosiu Edward Lefulebe (Lesotho), Method Julius Gwaleba (Tanzania), Eva-Maria Unger (Austria,) and Mkondo Mayo (Malawi) (who unfortunately was not able to participate). The supported Young Surveyors also attended the FIG-UN-Habitat/GLTN Train the Trainers Workshop on Social Tenure Domain Model (STDM) that was held just prior the FIG Working Week. The STDM Train the Trainers Workshop had a special focus on Africa.



FIG Foundation sponsored participants to the FIG Working Week 2013.

The FIG Foundation also provided funding to support young surveyors to attend the FIG Pacific Small Island Developing States Symposium (Suva, Fiji). This initiative was initiated together with FAO. FIG Foundation provided funding to support participation of the FIG Young Surveyors Network by Eva-Maria Unger to the International Symposium and Exhibition on Geoinformation- ISG 2013 (Kuala Lumpur, Malaysia) and the CLGE General Assembly Meeting (Chisinau, Moldova). As a new initiative the European Young Surveyors held the 1st FIG Young Surveyors European Meeting in Lisbon, Portugal and FIG Foundation decided to support this conference. 11 participants were granted a scholarship equally shared between FIG Foundation and CLGE. The FIG Foundation Board of Directors decided to provide 5,000 EUR in support of the 2013 International Training Course in Topography for Young Surveyors.

The Board of Directors for 2013 were John Hohol, President (USA), Prof. Michael Barry (Canada), Prof. Steven Frank (USA), Prof. Chryssy Potsiou (Greece) and Prof. Paul van der Molen (Netherlands).

Nigerian participants have per tradition been regular and large donors for FIG Foundation at FIG Conferences and at the FIG Working Week 2013 special certificates were presented to larger donations. FIG Foundation bronze certificate were given to Enjugu Ahijah Auzu, Nigeria and Cecilia Lami Ayeni, Nigeria.

The following received the FIG Foundation silver certificate: Prof. Peter O. Adeniyi, Nigeria, Surv. James O. Onwukwe and Mr John Brock Australia.



FIG Foundation President John Hohol welcomes the Young Surveyors to the 1st Young Surveyors European Meeting. FIG Foundation co-sponsors several initiatives within the FIG community.

The Foundation is also proud to acknowledge Trimble Navigation as an FIG Foundation Charter Partner.



► Read more: www.fig.net/figfoundation

The FIG Foundation – How Can I Contribute?

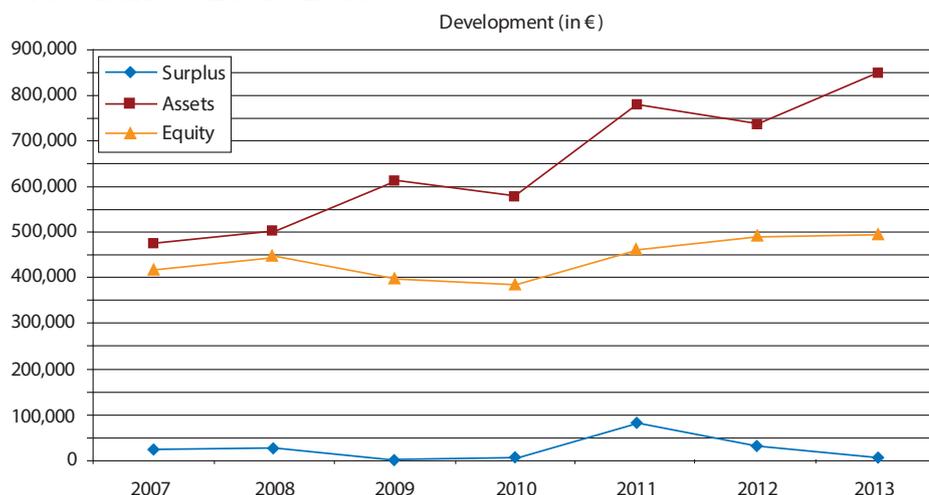
Companies, associations, institutions, events, surveyors' groups and individuals may contribute to the Foundation. Large donations will be recognised by a plaque or a certificate of different categories reflecting the sum of donation.

Income and Expenditure Account 2011–2013

REGULAR INCOME	Result 2013 ^{*)}	Budget 2013	Result 2012	Result 2011
Subscriptions				
(all figures in Euro)				
Member associations	260,145	282,000	309,305	292,657
Affiliate members	25,460	25,000	26,980	24,523
Corporate members	77,893	78,000	85,815	92,091
Academic members	20,750	21,000	19,780	18,312
Less bad debts	-20,775	-20,000	-19,519	-25,752
Less change in provision for doubtful debts	-10,937		-39,063	
	352,536	386,000	383,298	401,831
Financial income	4,399	7,000	7,631	7,274
Less banking costs	-763	-250	-1,177	-875
Events and other (incl. advertisements)	80,000	70,000	52,017	62,201
Total regular income	436,172	462,750	441,769	470,431
REGULAR EXPENDITURE				
Administration	195,482	209,000	207,211	195,465
Marketing and publications	19,930	20,000	17,714	11,804
Council and executive management	180,876	215,000	161,061	162,388
Commission support	33,000	33,000	33,002	33,069
Total regular expenditure	429,288	477,000	418,988	402,726
Surplus/deficit of regular income over regular expenditure	6,884	-14,250	22,781	67,705
PROJECTS AND DEVELOPMENT				
Events – funds received by FIG	20,046	-	20,000	29,720
Development spent	-21,192	-49,000	-12,860	-17,405
Other projects	0	0	0	0
SURPLUS OF THE YEAR (REGULAR)	5,738	-63,250	29,921	80,020
Exceptional items	0	0	0	0
RESULT				
Overall surplus/deficit in the year – normal activities	5,738	-63,250	29,921	80,020
Exceptional items				
Items funded from reserves				
Total reserve at the year end	498,711		492,973	463,052
Events reserve	25,000		25,000	25,000
IT reserve	25,000			
General reserves	448,711		467,973	438,052
General reserve as a % of regular annual expenditure	105%		112%	109%

^{*)} The accounts will be adopted by the General Assembly 16 June 2014. The income and expenditure presentation follow the template approved by the General Assembly in 2009.

FIG Balances 2007–2013



Mr. Bruno Razza, Vice President in charge of finances.

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FIG Communication

Communication is essential for FIG having members and stakeholders scattered all over the world. The many activities of FIG are communicated to a broad range of professionals and others, and FIG uses various channels to reach as many as possible. FIG is also thankful for the communication each member and others provide to FIG.



FIG on Social Media

Follow FIG on social media on Facebook, Twitter and LinkedIn:



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www.linkedin.com/groups?trk=group-name&gid=2669121

FIG Working Week



CHAMBER OF
GRADUATED
SURVEYORS

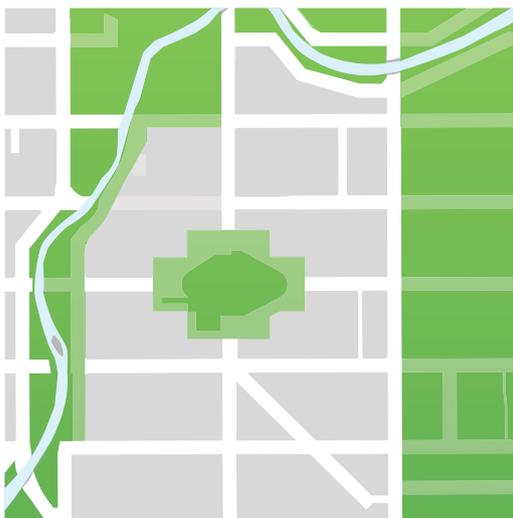
Sofia 2015

17 - 21 May, Bulgaria

From the wisdom of the ages
to the challenges of modern world

www.fig.net/fig2015

FIG Working Week 2016



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FIG PLATINUM CORPORATE MEMBERS

