

FIG

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

2019



ANNUAL
REVIEW

"Volunteering for the future"

Greeting from the President



“Volunteering for the future”

FIG motto for 2019–2022

Welcome to this FIG Annual Review for the year 2019. The Annual Review in your hands is covering the year 2019, which is at the same time the first year in the current term of office from 2019 to 2022. It is also my first year as FIG-president. Together with my Vice-Presidents Diane Dumashie (UK), Orhan Ercan (Turkey), Mikael Lilje (Sweden) and Jixiang Zhang (China) Council presented its work plan at the working 2019 in Hanoi (Vietnam).

At the same time, the ten new Commission chairs presented their work plans for the next 4 years. One important element of Council’s work plan are two new Task Forces (TF). The TF on Governance (led by VP Diane Dumashie) should make specific proposals and with focus on the Statutes and Internal Rules for the near future.

The Task Force on Sustainable Development Goals (SDGs) has two aims. First, it does investigate where and how the surveyor can contribute most to the fulfilment of the SDGs. In a second step, the Task Force should then coordinate the activities of our Commissions and networks regarding the SDGs. Paula Dijkstra (Co-Conference

Director of FIG Working Week 2020) leads this Task Force.

Overall, our first year was busy and very interesting. I was invited by the World Bank to represent FIG at their Conference “Land and Poverty”. VP Mikael Lilje and myself were the representatives of our federation at the Ninth Session of the United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) in New York

For more details, some impressions and all the other activities please have a look at our retrospect.

A thank you goes out to all members who support FIG through their membership, through the support of volunteers, through active attendance and through the promotion of FIG nationally and regionally.

Stay healthy and hope to seeing you soon.

Rudolf Staiger
FIG President

Cover photos: reflections on the year 2019.

FIG VISION

Surveying is a modern profession acting worldwide for a better infrastructure for our society and planet earth. The International Federation of Surveyors (FIG) wants to keep, and even improve, its role as the premier non-governmental organisation that represents the interests of surveyors worldwide.

ABOUT FIG

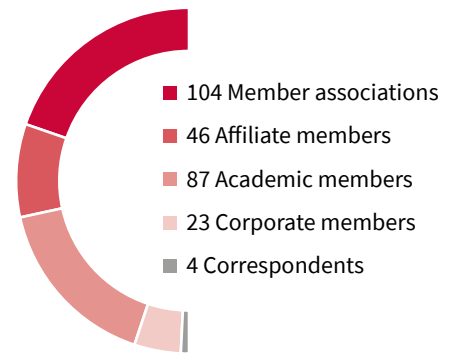
FIG is the premier international organization representing the interests of surveyors worldwide. It is a federation of the national member associations and covers the whole range of professional fields within the community, including surveying, cadastre, valuation, mapping, geodesy, geospatial, and quantity surveyors. It provides an international forum for discussion and development aiming to promote professional practice and standards.

FIG was founded in 1878 in Paris and was known as the Fédération Internationale des Géomètres. This has become anglicized to the International Federation of Surveyors. It is a UN-recognized non-government organization (NGO), representing more than 120 countries throughout the world, and its aim is to ensure that the disciplines of surveying and all who practise them meet the needs of the markets and communities that they serve.

FIG Activities



FIG Commission Chairs and Council at FIG Working Week 2019.



Stephen Djaba, Ghana and Paula Dijkstra, the Netherlands promoting FIG Working Week 2020 and 2021 together with Louise Friis-Hansen at Intergeo 2019 – a time where all still believed these Working Weeks would take place in Amsterdam and Accra.



Our aim with this Annual Review is to give a glimpse of what has taken place during 2019; to give an insight in some of the activities of FIG. This is however a challenging task within a few pages, so this Annual Review will give a short introduction to FIG, a few highlights of what has happened during the year, in order to give an impression of what FIG is all about.

FIG Represents the Interests of Surveyors Worldwide

FIG is a United Nations and World Bank recognized nongovernmental organization of national member associations and other affiliated members from over 120 countries. FIG draws its membership from practitioners working in communities with both the public and private sectors, from the scientific, research and academic community, as well as from the spatial technolo-

gies and services community. FIG functions with the goodwill, resources and contribution of its memberships and their corps of volunteers from around the world.

What does it mean to represent the interests of Surveyors...

Members of FIG have taken the decision that by being member of FIG they want to contribute to the international cooperation. These memberships make it possible for FIG to enhance the international cooperation, bringing the different surveying professions together and through the formalized and informal engagement in UN bodies and the World Bank to give an international perspective on the surveying and geospatial profession. FIG has over the years been involved in the establishment of UNGGIM and the Global Land Tool Network. A

surveyor or an organisation covering the surveying field can argue “what is in it for me” but without these undertakings there would not be that much international focus on the importance of e.g. land, on geospatial data, on standards related to (the broadest understanding of) surveying.

So with this FIG appreciates the many who understand the importance of being part of and contribute to this development. There are no quick fixes in this, but a steady long-term commitment and to be part of setting the agenda at an international level which can then also be taken to a national level. The national official delegates appointed by each member are central as are all other individuals who bring on the FIG agenda to the next level.

FIG is encouraging and hoping for a “team-spirit” from all surveying associations around the world... Follow us in this Annual Review that will give you few glimpses of the FIG year 2019.

FIG General Assembly 2019

FIG members meet at the yearly General Assembly, and 2019 was no exception. At the first General Assembly session that took place 22 April 2019 58 Member Associations were present and around 250 delegates. At the second General Assembly on 26 April 57 Member Association participated and around 300 delegates. In total 67 member associations were represented.

At the General Assembly one new Member Association was admitted, American Association for Geodetic Surveying (AAGS). Chryssy Potsiou, FIG President 2015–18 was appointed Honorary President. This year there was only one bid for the Working Week 2023 coming from NSPS, for Orlando, Florida, USA, and at the second General Assembly it was clear that the bid was accepted without the need for a ballot.

FIG President Rudolf Staiger presented the Council Work Plan and hereafter both Commission Chairs, Networks and Permanent institutions informed about their plans for the term 2019–2022. Two new Task Forces were introduced: an internal Task Force on an evaluation of the FIG Governance chaired by Vice President Diane Dumashie and a Task Force on FIG and The Sustainable Development Goals with Paula Dijkstra as chair.

► fig.net/organisation/general_assembly/

- The main activity of FIG is the yearly Working Week which also includes the General Assembly.
- The Working Week brings together surveyors from all the different fields of the surveying professions and gives them a common ground to meet, to discuss, to exchange, to learn, and to develop together.



Geospatial information for a smarter life and environmental resilience, the theme of the Working Week, was in focus in the technical programme. The local organisers also did an excellent job to showcase the fascinating culture of Vietnam.

FIG Working Week 2019

A wonderful and warm Hanoi set the scene for this year's Working Week. It was hot outside, and inside the large National Convention Centre there was a warm and intense summing of activity throughout all the days. Around 1,000 participants had found their way to Hanoi from in total 86 countries to attend the Working Week. The local organisers had done their utmost to welcome all participants in the most friendly and hospitable way.

The three conference days were opened with a spectacular opening ceremony. Key-note speaker was Mika-Petteri Torhonen from World Bank, and the Opening Ceremony was competently led by Master of Ceremony Professor Doctor Vo Chi My. The opening Ceremony showcased the elegant and smiling culture of Vietnam in the most beautiful way. Dancers were accompanied by pictures of Vietnam in an elegant show setting the scene so that no participant were in doubt that they were in Vietnam. From Vietnam Ms. Nguyen Thi Phuong Hoa,

Vice-minister of Ministry of Natural Resources and Environment, MONRE, gave an opening speech. MONRE has been a close partner to FIG and the Local Organisers in the preparations of the Working Week, and Ms Nguyen Thi Phuong Hoa expressed her satisfaction seeing representatives from so many countries at the Working Week. Vietnam and MONRE has gone through a larger development on the geodetic infrastructure and is today facing challenges that are expressed in the overall theme of the Working Week: Geospatial Information for a Smarter Life and Environmental Resilience. There were furthermore welcome speeches from Mr. Tran Bach Giang, chair of the national association, VGCR, Co-conference director Mr Trinh Anh Co and FIG President Rudolf Staiger.

Three pre-events kicked off the Working Week – on BIM, Reference Frame in Practice combined with a BELS+ training, and Young Surveyors meeting. All three events were well visited. The FIG Young Surveyors – Asia/Pacific held their meeting with participation from all over the world. The first day was a workshop day

on Resilience and what this means for surveyors and how to take the Network further into the future. On day two there was an eco-friendly tour highlighting the challenges and opportunities for environmental preservation within Hanoi.

After the General Assembly the FIG Young Surveyors had organised a Charity Dance. All participants were invited and the donations for the participation went to FIG Foundation and "Get Kids into Survey" Vietnam.

During the conference over 300 papers were presented in 80 technical sessions. Most sessions were composed by the open call for papers and designed by the Commission and Network Chairs. Further to this there were sessions with our institutional partners FAO, UN-Habitat/GLTN, UN-GGIM and World Bank, other sessions were specially designed to specific topics, some to support FIG Task Forces and finally the FIG Platinum Corporate Members ESRI, Trimble and Leica each had a technical session. The highlights of the conference were the opening ceremony and the three plenary sessions – one per day.

A central part of the FIG Working Week is the exhibition. Here, sponsors and exhibitors have the possibility to showcase their products and services and have good talks with the participants. In total there were 31 exhibitors which all contributed to the vibrant atmosphere of the Working Week – there was good and heated spirits among the exhibitors and participants in the exhibition.

There is no Working Week without social events. Our feedback show that networking is a significant reason to participate in the Working Weeks and valued high. Networking possibilities are therefore given at several occasions, such as the coffee/tea breaks and lunch and the Welcome Reception which is open for all participants. Due to the warm temperatures, the Welcome Reception was moved inside. Here, all participants were met by a beautiful and special performance which showed several sides of the Vietnamese culture.

The local organisers wanted to extend the traditional Cultural Evening to all participants, and it was therefore decided that the Vietnamese

Evening would be an Opera Performance open for all participants. Each performance showed Vietnamese culture, performance, instruments and dance in a most spectacular and breathtaking way. The Gala dinner took place in a local restaurant with a variation of Vietnamese foods and again a show was performed. This time the organisers had managed to put together a show which had both elements of Vietnamese culture and performance elegantly combined with elements from all over the world. Very special.

Thanks to the local organisers for their immense work on putting all these shows and evenings together and for their dedicated work to make the overall Working Week a grand success.

► fig.net/news/news_2019/04_working-week2019_report.asp

"I have learned a lot of useful knowledge and valuable experiences. In addition, I have connected with other researchers."

"Since this was my first time attending the FIG Working Week, I wasn't anticipating this kind of conference where there's a lot of technical programmes offered in one day. And I can't wait to attend more FIG events in the forthcoming days to come."

"It was wonderful being my first attendance at FIG and would like to attend more. A huge platform of its kind."

Participant statements in the post-survey



FIG Meetings and Partnership Around the Globe

FIG Internal Meetings and Undertakings

In January 2019 FIG Council started the year with a face-to-face meeting in Copenhagen, combined with an ACCO meeting with the Commission Chairs. This meeting was meant as a kick-off for the new term. All work plans were discussed and finalized, and having all commission chairs at the meeting gave a good opportunity to work actively with the technical programme for FIG Working Week 2019. A creative process was prepared by Claudia Stormoen, FIG office, who used a speed dating technique to pair all Commission Chairs to discuss the submitted abstracts and design sessions. This meeting helped the commission chairs to get to know each other and to start a close and good cooperation.

FIG Council started a strategy work to prepare FIG for the future needs, with the headline "FIG2028". A workshop was held in Stuttgart, Germany, in conjunction with Intergeo 2019 competently facilitated by Tom Kennie, who was a FIG Vice President during the British bureau (1994–1998) and now one of our honorary members.

FIG Council has also established an internal Task Force on Governance. This Task Force on Governance is evaluating the current statutes and internal rules in order to make specific proposals for possible amendments.

Visits to Members

FIG is an organisation of volunteers, and all members in all membership categories are essential for the vitality of FIG. It is of high priority FIG Council to be in a permanent contact with all members. FIG Council is happy to receive invitations for visits from members, however,

it is impossible to accept all invitations. During 2019 FIG visits have been made to Australia, Austria, Cameroun, China, Fiji, Germany, Ghana, India, Italy, Ivory Coast, Kenya, Netherlands, Nigeria, Poland, Romania, Russia, Senegal, UK and South-Africa. It is also a pleasure for FIG to see the numerous meetings, activities and events that are taking place regionally and nationally.

► Reports from visits and activities: fig.net/news

FIG Commissions

The 10 FIG Commissions are the backbones of FIG. With their broad approach to surveying the commissions are involved in and driving a number of activities of this international development on the international surveying arena. Through the Working Groups within each commission and the joint interdisciplinary working groups. One example is the Land Administration Domain Model (LADM) which has been ISO standard for the past 7 years and is now undergoing a review undertaken by FIG Commissions 7 'Cadastral and Land Management', 8 'Spatial Planning and Development', and 9 'Valuation and the Management of Real Estate'; as well as ISO/TC211; IHO and OGC.

► For more Commission activities, check: fig.net/comm

FIG and the United Nations and World Bank

FIG continues to collaborate with the World Bank and various agencies and structures within the United Nations.

World Bank

The World Bank remains a key FIG strategic partner underpinned by regular collaborative activities on World Bank (WB) platforms on

various key items, such as PPP – Public Private Partnerships and the Fit-for-Purpose approach. Vice President Diane Dumashie was invited to the first round of global consultations on PPP in land administration. The World Bank annual land conference was held in Washington DC on 25–29 March 2019. A meeting was held with World Bank representatives prior to the start of the conference with the purpose to review and renew the Memorandum of Understanding, in particular seeking to identify specific outputs that could be delivered over the current term. Of particular interests for future cooperation are issues around: 2030 agenda, meeting the SDG's, building sustainable land administration systems via technology and increasing capacity, the imperative to speed up land administration and remain cost effective (FFP), increasing effectiveness of Government / donor financing, (via PPP), Land rights of Women, indigenous and displaced peoples, WB initiative on geospatial and 3 D Cadastre on boundaries.

A FIG Masterclass: The SDGs and the Role of the Land Professional as a Global Agent for Social & Economic Change was held during the World Bank Conference. This year, FIG experienced the honor to be part of the closing panel where the major results and achievements are presented to the big audience. Two special sessions were organized in cooperation with World Bank at the FIG Working Week 2019 in Hanoi, Vietnam.

United Nations

FIG participated to FAO and the Voluntary Guidelines, VGGT through three sessions and one Master Class at the FIG Working Week 2019 on improving tenure governance and strengthening Democratic Spaces to balance societal priorities in spatial planning.

FIG was elected co-lead of UN-Habitat/Global Land Tool Network (GLTN) Professional Cluster 2019–2020, undertaken by Vice President Diane Dumashie, together with Arab Union. This means that FIG also participates in the Steering Commit-

tee and the GLTN International Advisory Board. The Professional cluster are currently working on two activities:

- Development of a conceptual framework on urban-rural land linkages and
- Development of a manual on valuation of un-registered lands.

FIG is a member of the UN-GGIM-Geospatial Societies. Vice President Orhan Ercan is representing FIG in the Expert Group on Land Administration, and FIG is also Associate member of Sub-committee on Geodesy. FIG was represented at the ninth Session of the United Nations Committee of Experts on Global Geospatial Information Management in New York, USA, August 2019 and to the work of the International Committee on Global Navigation Satellite Systems (ICG).

Another Reference Frame in Practice Seminar was held as a Pre-event at FIG Working Week 2019. Further to this, In UN-OOSA FIG is Co-chairing Work Group-D.

FIG and Sister-organisations

Several meetings were held with sister-organisations which is reflected in several of the photos to the right. One example is the Day of Geodesy; the leaders of the four international scientific societies in the field of geodesy and geoinformatics met in Hanover. Prof. Monika Sester (Leibniz University Hannover) represented ICA as its Vice President; the other three societies were represented by their presidents: Prof. Harald Schuh (GeoForschungszentrum Potsdam) for IAG, Prof. Rudolf Staiger (University of Bochum) for FIG and Prof. Christian Heipke (Leibniz University Hannover) for ISPRS. What is remarkable about this meeting is that all four representatives come from Germany, which has been unprecedented in the more than 100-year history of the societies, documenting the importance of German science in international geodesy and geoinformatics.



Commissions, council and other volunteers contributing to bring surveying issues on the agenda.



Young Surveyors

FIG Young Surveyors have over the years built up a strong and impressive international with a dedicated regional and national engagement. During 2019 FIG Young Surveyors held meetings in Maryland, US, Hanoi, Vietnam during the FIG Working Week, Porto, Portugal and Dakar, Senegal.

► Follow FIG Young Surveyors: fig.net/ys



The FIG Young Surveyors had once again put together an inspiring programme at their meeting in Vietnam – here together with FIG Council and Commission Chairs.



FIG Foundation – Building a Sustainable Future

The FIG Foundation raises funds to secure a sustainable future for surveyors. Donations finance educational and capacity building projects and scholarships, especially in developing countries and countries in transition, and encourage research into all disciplines of surveying and help disseminate the results of that research.

During the period 2002–2019 the FIG Foundation has donated a total 158 grants to surveyors from 69 countries. The Foundation also aims to sponsor 3–5 Young Surveyors to the yearly FIG Working Week/ Congress, all from different continents. In total 336,000 EUR has been spent on grants in this period and distributed around the world.

Four young surveyors were given the FIG Foundation Grant to attend FIG Working Week 2019.

Further grants were given to Ms. Melissa Robert, Uruguay for her outstanding work to promote FIG in Latin America, The 2019 Summer School in Italy, The International Geodetic Students Meeting IGSM meeting in Warsaw, Poland and FIG Young Surveyors events.

Board of Directors:

- John Hohol, President of the FIG Foundation (USA)
- Prof. Michael Barry, Director (Canada)
- Mr. Enrico Rispoli, Director (Italy)
- Chief Lecturer Winston Ayeni, Director (Nigeria)
- Prof. David Mitchell, Director (Australia, Chair FIG Commission 2 on Education)
- FIG Vice President Jixian Zhang, (China)

► fig.net/figfoundation

The FIG Foundation sponsored participants at the FIG Working Week 2020 Annika Avila (Philippines), Romina Leiva (Argentina), Ogochukwu Izuogbu (Nigeria), Ruth Trujillo (USA) together with President of the FIG Foundation, John Hohol.



The FIG Foundation – How Can I Contribute?

Companies, associations, institutions, events, surveyors' groups and individuals may contribute to the Foundation by:

- Donations which will be recognised by a plaque or a certificate of different categories reflecting the sum of donation as follows:
 - platinum plaque 25,000 €
 - gold plaque 10,000 €
 - silver plaque 5,000 €
 - bronze plaque 1,000 €.
- Donations to support specific projects or by offering scholarships. Donors and Benefactors may use the FIG Foundation logo to promote their project donations or scholarships.
- Voluntary donation when registering to FIG events.
- Attending social functions such as the FIG Foundation Dinners held during every FIG Congress and Working Week and other events.

New Publications in 2019

Two new publications were released in 2019:

- FIG Publication No. 73 *New Trends in Geospatial Information: The Land Surveyors Role in the Era of Crowdsourcing and VGI*. Current State and Practices within the Land Surveying, Mapping and Geo-Science Communities. FIG Commission 3 Report.
- FIG Publication No. 74 *Cost Effective Precise Positioning with GNSS*. FIG Commission 5 Report.

► See all FIG publications at:
fig.net/resources/publications/figpub/



IT Development in 2019

The FIG data administration was further developed during 2019 with improvements in registrations and paper handling. FIG Conference Web App was developed into a Progressive Web App.

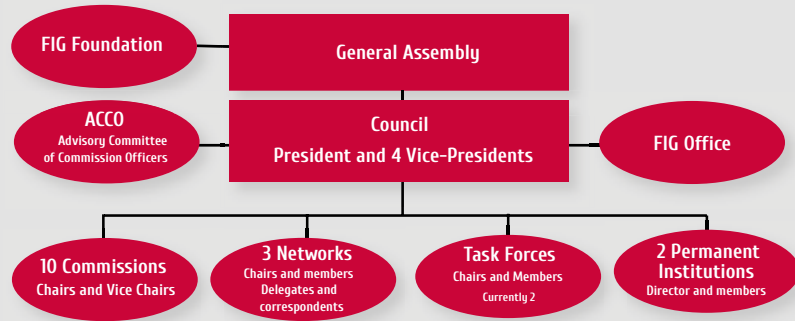


FIG Commissions

– Commission 1 – Professional Standards and Practice:

Chair: Ms. Winnie Shiu, CSSMG, China

– Commission 2 – Professional Education

Chair: Mr. David Mitchell, SSSI, Australia

– Commission 3 – Spatial Information Management

Chair: Mr. Hartmut Müller, DVW, Germany

– Commission 4 – Hydrography

Chair: Prof. Dr. Mahmud Mohd Razali, PEJUTA, Malaysia

– Commission 5 – Positioning and Measurement

Chair: Mr. Daniel Roman, NSPS, USA

– Commission 6 – Engineering Surveys

Chair: Mr. Maria João Henriques, OE-CEG, Portugal

– Commission 7 – Cadastre and Land Management

Chair: Mr. Daniel Paez, Colombian Society for Surveyors, Colombia

– Commission 8 – Spatial Planning and Development

Chair: Ms. Marije Louwsma, GIN, Netherlands

– Commission 9 – Valuation and the Management of Real Estate

Chair: Mr. Ben Elder, RICS, UK

– Commission 10 – Construction Economics and Management

Chair: Mr. Alan Muse, RICS, UK

Working Groups under each Commission ensure a focus on current and relevant topics.

- Check all Commission Work Plans for the term 2019–2022 and their Working Groups on fig.net/comm

FIG Networks

– FIG Standards Network

Chair: Mr. David Martin, OGE, France

– Africa Regional Network

Chair: Ms. Jennifer Whittal, South Africa

– Asia-Pacific Regional Network

Chair: Mr. Rob Sarib, SSSI, Australia

– Young Surveyors Network

Chair: Ms. Melissa Harrington, NZIS, New Zealand

- fig.net/organisation/networks/

Permanent Institutions

– The International Office of Cadastre and Land Records (OICRF)

Director: Mr. Christiaan Lemmen, GIN, Netherlands

– The International Institution for the History of Surveying and Measurement

Director: Mr. Jan de Graeve, UBGE, Belgium

Task Forces

– FIG Task Force on Governance

Chair: FIG Vice President, Dr. Diane Dumashie, RICS, UK

– FIG Task Force on FIG and the Sustainable Development Goals

Chair: Ms. Paula Dijkstra, GIN, Netherlands

FIG Members

Member Associations (April 2020)

Afghanistan	Afghan Surveyors Association		
Algeria	Order of Land Surveyors Expert (OGEF)		
Argentina	Federación Argentina de Agrimensores		
Australia	Surveying and Spatial Sciences Institute(SSSI)		
Austria	Austrian Society for Surveying and Geoinformation		
Bahamas	Bahamas Association of Land Surveyors		
Belarus	Land Reform Association (NGO)		
Belgium	Union Belge des Géomètres-Experts Immobiliers		
Benin	Order of the Expert Geometricians of Benin		
Bosnia and Herzegovina	Geodetic Association of Herceg-Bosnia		
Botswana	Botswana Institute of Geomatics		
Brunei Darussalam	Brunei Institution of Geomatics (B.I.G.)		
Bulgaria	Union of Surveyors and Land Managers in Bulgaria Chamber of Graduated Surveyors		
Burkina Faso	Association des Géomètres et Topographes du Burkina (AGT-B)		
Cameroon	National Order of Cameroon Surveyors (NOCS)		
Canada	Canadian Institute of Geomatics		
China	Chinese Society for Geodesy, Photogrammetry and Cartography (CSGPC) China Institute of Real Estate Appraisers and Agents (CIREA) China Land Science Society (CLSS)		
Colombia	Colombian Society of Surveyors		
Congo, D. R.	Federation of Geometers and Surveyors		
Côte d'Ivoire	OGECI		
Croatia	Croatian Geodetic Society		
Cyprus	Cyprus Association of Rural and Surveying Engineers		
Czech Republic	Association of Certified Appraisers Czech Union of Surveyors and Cartographers		
Denmark	The Danish Association of Surveyors		
Egypt	Egyptian Committee of Surveying and Mapping		
Estonia	Association of Estonian Surveyors		
Fiji	Fiji Institute of Surveyors		
Finland	Finnish Association of Geodetic and Land Surveyors MIL Finnish Association of Surveyors (MAKLI)		
France	Ordre des Géomètres-Experts (OGE) French Association of Topography (AFT)		
Georgia	Society of Professionals of Land Information Technologies (SPLIT)		
Germany	Society of geodesy, geoinformation and landmanagement (DWW)		
Ghana	Ghana Institution of Surveyors Licensed Surveyors Association of Ghana (LISAG)		
Greece	Technical Chamber of Greece		
Hong Kong SAR, China	The Hong Kong Institution of Engineering Surveyors		
Hungary	Hungarian Society of Surveying, Mapping and Remote Sensing		
Indonesia	Indonesian Surveyor Association		
Iran	Iranian Professional Society of Surveying Engineers (ISS)		
Israel	Association of Licensed Surveyors in Israel		
Italy	National Council of Italian Surveyors		
Jamaica	The Land Surveyors Association of Jamaica (LSAJ)		
Japan	Japan Federation of Surveyors		
Kenya	Institution of Surveyors of Kenya (ISK)		
Korea, Republic of	Korea Confederation of Surveyors		
Kosovo	Kosova Association of Surveyors		
Latvia	Latvian Association of Surveyors (LMB)		
Lebanon	Order of Surveyors		
Liberia	Association of Professional Land Surveyors of Liberia		
Lithuania	Lithuanian Association of Surveyors		
Luxembourg	Ordre Luxembourgeois des Géomètres (OLG)		
Malaysia	Association of Authorised Land Surveyors Malaysia		
Malta	Malta Institution of Surveyors		
Mongolia	Mongolian Association of Geodesy, Photogrammetry and Cartography (MAGPC)		
Morocco	National Order of Surveying Engineers and Surveyors		
Nepal	Nepal Institution of Chartered Surveyors (NICS)		
Netherlands	Geo-Information Netherlands		
New Zealand	Survey and Spatial New Zealand		
Nigeria	Nigerian Institution of Surveyors (NIS) Nigerian Institute of Quantity Surveyors		
Norway	Norwegian Association for Chartered Surveyors – GeoForum		
Palestine, State of	Licensed Surveyors Association in Palestine		
Papua New Guinea	Association of Surveyors of Papua New Guinea (ASPNG)		
Philippines	Geodetic Engineers of the Philippines, Inc.		
Poland	Association of Polish Surveyors		
Portugal	Order of Engineers – College of Geographical Engineering		
Romania	Romanian Surveyors Union Romanian Association of Private Surveyors		

Russian Federation	The Federal Service for State Registration, Cadastre and Cartography (Rosreestr)
	Association "Self-regulated organization of activity of cadastral engineers"
Saint Lucia	The Institute of Surveyors (St. Lucia) Inc. (ISSL)
Saudi Arabia	General Commission for Survey
Senegal	National Order of Surveyors of Senegal
Serbia	Serbian Union of Surveyors
Slovakia	Slovak Union of Surveyors and Cartographers
	Chamber of Surveyors and Cartographers (CSC)
Slovenia	Association of Surveyors of Slovenia
South Africa	South African Geomatics Council
	The South African Geomatics Institute (SAGI)
Spain	Colegio Oficial de Ingenieros Técnicos en Topografía
Sri Lanka	Institute of Surveyors Sri Lanka
Sweden	Swedish professionals for the built environment
Switzerland	Swiss Association for Geomatics and Landmanagement

Affiliate Members (April 2020)

Albania	Central Office of Immoveable Property Registration (IPRO)
Anguilla, British West Indies	Department of Lands and Surveys
Brunei Darussalam	Survey Department
Bulgaria	Geodesy, Cartography and Cadastre Agency of Bulgaria
Cambodia, Kingdom of	Ministry of Land Management
Chile	Servicio Hidrográfico y Oceanográfico de la Armada de Chile
China	China Land Surveying and Planning Institute, Ministry of Land and Resources
Colombia	Instituto Geográfico Agustín Codazzi
Congo, Democratic Republic of the	Cadastre of DRC – Ministère des Affaires Foncières
Croatia	State Geodetic Administration Of Republic Of Croatia
Cyprus	Cyprus Lands and Surveys Department
Denmark	Agency for Data Supply and Efficiency
	The Danish Geodata Agency
Fiji	iTaukei Land Trust Board
Finland	National Land Survey of Finland
Hungary	Government Office of the Capital City Budapest
Iceland	Registers Iceland
India	Survey Of India
Iran	National Cartographic Center of Iran (NCC)
Israel	Survey of Israel
Italy	Italian Society of Photogrammetry and Topography (SIFET)
Japan	Geospatial Information Authority of Japan

Syrian Arab Republic	Order of Syrian Engineers and Architects (OSEA)
Togo	Ordre des Géomètres du Togo (OGT)
Trinidad and Tobago	Institute of Surveyors of Trinidad and Tobago
Turkey	Chamber of Surveying and Cadastre Engineers of Turkey
Uganda	Institution of Surveyors of Uganda
Ukraine	Public Union, Ukrainian Society for Geodesy and Cartography
United Arab Emirates	Society of Engineers-UAE
United Kingdom	Chartered Institution of Civil Engineering Surveyors (ICES)
	The Royal Institution of Chartered Surveyors (RICS)
United States	National Society of Professional Surveyors (NSPS)
	American Association for Geodetic Surveying (AAGS)
	International Association of Assessing Officers (IAAO)
Uruguay	Surveyors Association of Uruguay
Vietnam	Vietnam Association of Geodesy – Cartography – Remote Sensing
Zimbabwe	Survey Institute of Zimbabwe
	Zimbabwe Institute of Geomatics
Jordan	Department of Lands & Survey
Latvia	The State Land Service of Latvia
Lesotho	Land Administration Authority, Lesotho
Macedonia, FYR	The Agency for Real Estate Cadastre (AREC)
Mexico	National Institute of Statistics and Geography (INEGI)
Moldova, Republic of	Agency for Land Administration and Cadastre of Rep. of Moldova
Mongolia	Agency for Land Administration and Management, Geodesy & Cartography
Montenegro	Real Estate Administration Of Montenegro
Nepal	Topographical Survey Division, Survey Department
Netherlands	Cadastre, Land Registry and Mapping Agency
New Zealand	Land Information New Zealand
Nigeria	Surveyors Council Of Nigeria (Surcon)
Norway	Norwegian Mapping Authority
Oman	National Survey Authority (NSA)
Philippines	National Mapping and Resource Information Authority
Romania	National Agency for Cadastre and Land Administration
Russian Federation	Siberian State University of Geosystems and Tehnologies
Sri Lanka	Survey Department of Sri Lanka
Sweden	Lantmäteriet – The Swedish mapping, cadastral and land registration authority
Switzerland	Swiss Federal Office of Topography swisstopo
United Arab Emirates	Geodesy & Hydrographic Survey Section – Dubai Municipality
United Kingdom	Ordnance Survey
United States	National Geodetic Survey, National Oceanic and Atmospheric Administration

Academic Members (April 2020)

Australia	The University of Melbourne	Israel	Technion Research & Development Foundation			
	RMIT University		Jamaica	University of Technology		
	University of New South Wales			Latvia	Riga Technical University	
	University of Southern Queensland Australia				Lebanon	Lebanese Canadian University (LCU)
	University of Technology Sydney					Lebanon
Austria	Universität für Bodenkultur Wien BOKU	Macedonia, FYR				
	Belgium		Haute Ecole Leonard de Vinci (ECAM)			
Universite de Liege			Namibia	Namibia University of Science and Technology		
Antwerp Maritime Academy				Nepal	Land Management Training Centre	
Ghent University					Netherlands	University of Twente – Faculty of Geo-Information Science and Earth Observation (ITC)
Brazil	Universidade do Vale do Rio dos Sinos (UNISINOS)	New Zealand				University of Otago
	Bulgaria					University of Architecture, Civil Engineering and Geodesy (UACEG)
Canada			University of Calgary			Nigeria
	University of New Brunswick		Norway	University of Nigeria Nsukka Enugu Campus		
	Université Laval			Palestine, State of	Norwegian University of Life Sciences	
	British Columbia Institute of Technology (BCIT)	Papua New Guinea			Bergen University College	
China	School of Public Administration				Puerto Rico	
	The University of Nottingham					Romania
Colombia	Universidad Distrital Francisco José de Caldas		Russian Federation			
	Universidad Distrital Francisco José de Caldas			Rwanda		
	Universidad de los Andes	Scotland				
Croatia	University of Zagreb				Senegal	
	Czech Republic					Brno University of Technology
Denmark			Aalborg University			South Africa
	Ethiopia		Bahir Dar University – Institute of Land Administration	Spain		
Fiji		University of the South Pacific	Sri Lanka			
	Finland	Aalto University			Sweden	
Helsinki Metropolia University of Applied Sciences		Switzerland				
Lapland University of Applied Sciences						Trinidad and Tobago
France	Ecole Supérieure des Géomètres et Topographes (ESGT)			United Kingdom		
	Germany		Anhalt University of Applied Sciences			
Technische Universität München (TUM)			Zimbabwe		Sabaragamuwa University of Sri Lanka	
Berlin Institute of Technology		Zimbabwe			Institute of Surveying and Mapping	
University of Stuttgart					Zimbabwe	Royal Institute of Technology
Ghana	University of Mines and Technology			Zimbabwe		Department of Real Estate Science at Lund University
	Kwame Nkrumah University of Science and Technology					Zimbabwe
Greece	School of Rural and Surveying Engineering		Zimbabwe			
Hong Kong SAR, China	The Hong Kong Polytechnic University	Zimbabwe				
Hungary	Obuda University, AMK, Institute of Geoinformatics				Zimbabwe	
Ireland	Dublin Institute of Technology			Zimbabwe		
						Zimbabwe

Turkey	Istanbul Technical University
	Technical University of Konya
Uganda	Makerere University
Ukraine	National University of Life and Environmental Sciences of Ukraine
United Kingdom	Oxford Brookes University
	Sheffield Hallam University
	Real Estate and Planning, Reading University

United States	Texas A&M University – Corpus Christi
	The University Southern Mississippi Hydrographic Science Research Center





In addition, FIG has a correspondent in **Maldives, Pakistan, Rwanda and Tonga.**

Honorary Ambassadors



Clarissa Augustinus (prev. UN-Habitat/GLTN) and Paul Munro-Faure (prev. FAO).

Corporate Members (April 2020)

PLATINUM LEVEL

	Bentley Systems
	Environmental Systems Research Institute, Inc. (ESRI)
	Leica Geosystems AG
	Trimble Navigation Ltd

SILVER LEVEL

	Thomson Reuters
	Topcon Europe Positioning b.v.

BRONZE LEVEL

	COWI A/S
	Dynamic Vision
	GIM International – Geomares Publishing
	GIS/Transport Ltd.
	RIPRO Corporation, Japan
	Supermap Software Co, Ltd. www.supermap.com

BASIC LEVEL

	Beijing iSpatial Co., Ltd, PRC
	Derinsu Underwater Engineering & Consulting
	Geo-Plus www.geo-plus.com/
	Geoide Geosystems S.a.
	Geoweb S. p. A

REGIONAL LEVEL

	GEO:connexion Ltd
	Georeference Engineering Consultants, Saudi Arabia
	Geo-Tech Surveys Ltd, Ghana
	NEH Vietnam
	Orbits Engineering Firm



Economy

Income and Expenditure Account 2017–2019

REGULAR INCOME	Result 2019	Budget 2019	Result 2018	Result 2017
Subscriptions	(all figures in Euro)			
Member associations	264,405	280,000	271,297	271,113
Affiliate members	29,625	32,000	31,100	29,260
Corporate members	84,750	90,000	81,350	80,025
Academic members	10,750	12,000	10,625	12,312
Less bad debts	-14,907	-20,000	-31,528	-50,034
Less change in provision for doubtful debts	-	-	-	20,000
	374,623	394,000	362,844	362,676
Financial income / expenses	-2,005	3,000	1,156	4,366
Less banking costs	-712	-250	-737	-766
Currency diff	2,217		10,672	-12,155
Advertising income		500	25	849
Events – fees charged for services	45,000	45,000	60,000	56,000
Total regular income	419,123	442,250	433,960	410,970
REGULAR EXPENDITURE				
Administration	196,965	213,000	181,983	153,749
Marketing and publications	8,390	12,000	32,273	12,821
Council and executive management	163,976	168,000	184,867	147,090
Commission support	33,000	33,000	33,000	33,000
Total regular expenditure	402,331	426,000	432,123	346,660
Surplus/deficit of regular income over regular expenditure	16,792	16,250	1,837	64,310
PROJECTS AND DEVELOPMENT				
Events – funds received by FIG	6,580	10,000	13,125	17,008
Development spent	-13,957	-22,000	-11,938	-16,778
SURPLUS OF THE YEAR (REGULAR)	9,415	4,250	3,024	64,540
RESULT				
Overall surplus/deficit in the year – normal activities	9,415		3,024	39,540
Total reserve at the year end	614,688		604,688	601,664
Events reserve	50,000		50,000	50,000
IT reserve	50,000		50,000	50,000
General reserve	514,103		504,688	501,664
General reserve as a % of regular annual expenditure	123%		114%	145%

Income 2018–2019

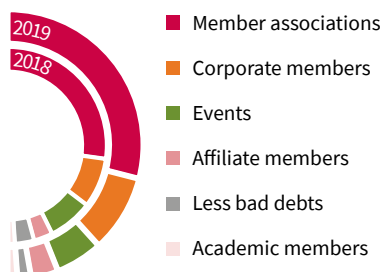
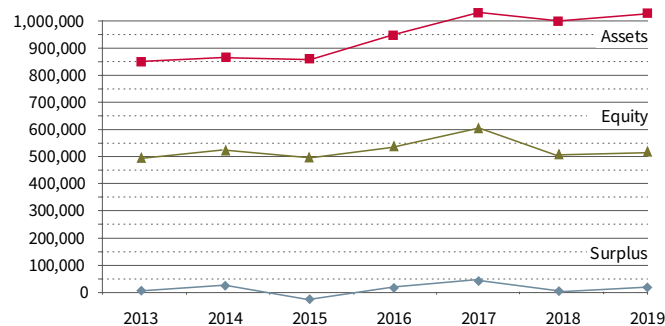


FIG Balances 2013–2019





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FIG Working Week 2021 Utrecht, Netherlands



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FIG XXVII Congress 2022 Cape Town, South Africa



15-20 May 2022

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28 May - 1 June 2023

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FIG Working Week 2024 Accra, Ghana



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