

FIG

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

2018



ANNUAL  
REVIEW

"Ensuring the Rapid Response to Change,  
Ensuring the Surveyor of Tomorrow"

# Greeting from the President



***“Ensuring the Rapid Response to Change, Ensuring the Surveyor of Tomorrow”***

**FIG motto for 2015–2018**

It is an honour and pleasure for me as new FIG President to write this greeting. The Annual Review you are reading now is covering the last year in the term of President Chryssy Potsiou from Greece. Chryssy is the first female President FIG has seen in its 140 year history. Her motto *“Ensuring the rapid response to change, ensuring the surveyor of tomorrow”* was indicating clearly the direction and the action items during the 4 years term from 2015 to 2018. Together with the Vice Presidents Pengfei Cheng (2015–16), Diane Dumashie (2015–2018), Orhan Ercan (2017–2018), Mikael Lilje (2017–2018), Bruno Razza (2015–16) I had the chance and opportunity being part of Chryssy’s Council.

The last year of a term of office is normally very packed and the major event is of course the 4 year Congress. Under the motto *“Embracing our smart world where the continents connect -- enhancing the geospatial maturity of societies”*, our colleagues from the Turkish Chamber of Survey and Cadastre engineers (HKMO) organized together with our Office in Copenhagen the 26<sup>th</sup> FIG Congress. It gathered more than 1500 experts from the surveying and geospatial business from all over the world for a remarkable and well-organized event. We all could experiment the extraordinary Turkish hospitality.

Another exceptional event was the hand-over ceremony (to the new Council) combined with the 140-year-celebration of FIG. Both events, embedded into TUF 2018 and organized by President Chryssy

Potsiou herself, took place in November last year in Athens. It was the first Interdisciplinary Conference on “Economy, Society and Climate Change – The impact of mega trends in the Built Environment, Construction Industry and Real Estate”.

During the hand-over ceremony, Chryssy could look back to 4 years of successful work as President of our Federation and to more than 35 years being active in FIG. The first FIG event Chryssy ever attended was 1983 in Sofia (Bulgaria). 32 years later, she came back to the same place for the Working week 2015 as new FIG-President. In between Chryssy served in various functions namely Working Group Chair, Commission Chair, ACCO-Representative, Reviewer, Task Force Member and Vice President.

At the end of last year, President Potsiou wrote to all members of FIG: *“As we have approached the end of 2018, which coincides with the end of my presidency in the International Federation of Surveyors (FIG), I wish to thank each one of you for being part of this experience, and it has been a good experience. With your participation and commitment, your knowledge and your hard work we have enhanced the global role of FIG and surveying for society and people everywhere.”*

*The end of 2018 is the time to show my appreciation for your contributions and for the opportunities which came my way through your continued and invaluable support, and the time to thank you all for your confidence, loyalty and trust. I feel blessed to have had the chance to work with you.*

*Each one of you, my family members, my friends and my colleagues both in Greece and all over the world, are an important part of my life. Thank you! I will continue to partner with you as we work together toward a sustainable world and I wish you”*

I take now the opportunity to thank Chryssy Potsiou, also in the name of my entire Council, for all the work she did for our Federation and I wish you an interesting and inspiring Annual Review 2018.

**Rudolf Staiger**  
**FIG President**

## FIG VISION

The FIG vision is of a modern and sustainable surveying profession in support of society, environment and economy by providing innovative, reliable and best practice solutions to our rapidly changing and complex world, acting with integrity and confidence about the usefulness of surveying, and translating these words into action.

## 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.

Cover photos reflecting the year 2018 with its many activities.

# FIG Activities

The year 2018 has been eventful for FIG and the final year of the leadership 2015–2018. In this Annual Review you can see a brief overview of FIG activities and the involvement with members and other organisations and entities.

## FIG Represents the Interests of Surveyors Worldwide

FIG is a United Nations and World Bank recognized non-governmental 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 technologies and services community. FIG functions with the goodwill, resources and contribution of its memberships and their corp of volunteers from around the world.

Currently FIG has:

- 105 member associations from 91 countries
- 42 affiliate members from 40 countries
- 83 academic members from 50 countries
- 26 corporate members
- 4 correspondent members.

## The Work of FIG

Throughout the world, individuals and organisations support FIG with their contributions to the overall FIG agenda. Each member can appoint a delegate or correspondent to the ten commissions and the commission chairs together with all these many volunteers add to the FIG agenda and activities, contributing to the betterment of the world.

FIG supports international collaboration among its members for the progress of surveying in all its fields and applications. FIG has a close cooperation with United Nations relevant bodies, World Bank, and its sister associations and has been globally recognized as the leading international non-governmental organization on geospatial information and the management of “land”, the “sea” and the “built” environment.

## Celebration of FIG 140 Anniversary and Hand Over Ceremony

The year 2018 marked the 140 anniversary of FIG. This special occasion was celebrated together with a handover event marking the end of term for current FIG president Chryssy Potsiou, Greece (2015–2018) to President Elect Rudolf Staiger, Germany, who took over the FIG Presidency on 1 January 2019.

FIG was founded on 18 July 1878 in Paris by delegates from seven national associations – Belgium, France, Germany Great Britain, Italy, Spain and Switzerland – and was known as the Fédération Internationale des Géomètres. This has later become anglicized to the International Federation of Surveyors.

FIG President Chryssy Potsiou had organised this remarkable event in Athens, Greece in conjunction with TUFE2018. President Potsiou had managed to invite many special speakers and attendees. Three honorary presidents attended this event, Juha Talvitie, Finland (1988–1991), Robert Foster, US (2000–2002), and Holger Magel, Germany (2003–2006), three honorary members, Helge Onsrud, Norway, Daniel Steudler, Switzerland and Yerach Doytsher, Israel, current and incoming commission chairs, representatives from member associations, sister organisations and regional bodies.



Five vibrant FIG Presidents: Juha Talvitie, Robert Foster, Chryssy Potsiou, Holger Magel and Rudolf Staiger.

## FIG General Assembly 2018

As part of FIG Congress 2018 the FIG General Assembly 2018 was held with a record number of delegates. In the first General Assembly on 6 May 59 member associations were represented, and in the second a total of 73 member associations were present during the General Assembly and the votings.

During the first General Assembly on 6 May all candidates for the various position had a chance to present themselves and the election took place at the 2nd General Assembly on 11 May. All delegates had to walk five times to the voting boxes in front of the podium to elect. Elected were:

- President: Rudolf Staiger, DVW Germany
- Vice Presidents: Diane Dumashie, RICS, UK, Jixian Zhang, CSSMG, China

A special thanks to the nominated – the General Assembly had to make a difficult choice between very good and qualified candidates.

### New commission chairs

8 commission chairs were elected at the General Assembly and two were appointed by FIG Council as there were no candidates at the deadline of the call for nominees: A large thanks to the current commission chairs for their hard and efficient work during the last four years, and a warm welcome to the chairs elects.

### Election for the FIG Congress 2022

The election for the destination for the FIG Congress 2022 was looked very much forward to as it was very difficult to predict the possible winner. It was a close run between the bids from South Africa and USA, but finally it was decided by the General Assembly that the Congress 2022 will take place in Cape Town, South Africa.

► [fig.net/organisation/general\\_assembly/](http://fig.net/organisation/general_assembly/)



The current and incoming Council from left: President Elect Rudolf Staiger, VP Elect Jixian Zhang, President Chryssy Potsiou, VP Orhan Ercan, VP (and VP Elect) Diane Dumashie and VP Mikael Lilje.



The incoming commission chairs: Winnie Shiu (Com1), David Mitchell (Com2 – not in photo), Hartmut Müller (Com3), Mahmud Mohd Razali (Com 4), Dan Roman (Com 5 – not in photo), Maria João Henriques (Com6), Daniel Paez (Com 7), Marije Louwsma (Com8), Melissa Harrington (Young Surveyors), Ben Elder (Com9 – in photo James Kavanagh), Alan Muse (Com10).



The local organising committee 2022 – Cape Town South Africa.



## Congress 2018 in Istanbul, Turkey 6–11 May 2018

The large FIG Congress that is held every four years, took place in the beautiful city of Istanbul. The Congress marked the end of the term of leadership and the in total 6 days were packed with the General Assembly, technical sessions, meetings and many other activities. The congress attracted more than 2300 participants, coming from around 90 countries from all over the world. The Turkish representation was remarkable, and FIG was pleased with the large support from both national and international sponsors, organisations and individuals.

Over the 4 conference days the technical programme was packed with sessions and meetings with more than 400 paper presentations and several special sessions that covered the whole range of topics within surveying. The overall theme, “Embracing our smart world where the continents connect: enhancing the geospatial maturity of societies”, Was reflected in many of the sessions and presentations within the areas of all 10 FIG Commission topics.

In connection with the congress there were three pre-events: Reference frames in Practice Seminar, BIM for Surveyors Seminar, and Young Surveyors Conference.

The grand opening ceremony took place in the large auditorium of Istanbul Congress Centre, and the audience experienced a very talented teenage dance company from Ankara.

The large hallways were used for the exhibition which meant that session rooms and exhibition could all be on the same floor creating a dense and lively traffic in the hallways. More than 50 exhibitors showcased their latest news and products at their stands and some also took the opportunity to make presentations at the stage in the exhibition area. Three of the four FIG Platinum Corporate members, Esri, Leica and Trimble who were also platinum sponsors at the congress, were offered a special session in the technical programme which were all well visited. A huge thanks to Esri, Leica and Trimble for their faithful contributions to the FIG Conferences.

A substantial part of the congress is of course the technical programme where it is possible to gain new knowledge and get inspired. Attending a FIG Conference is however a lot more. Networking is an important part – this is where it is possible to really discuss the learnings, find

people to ask and learn from, and to get contacts that can last far beyond the conference. A conference is certainly also about contacts and networking. The Congress offered many nice occasions for good networking possibilities.

The Traditional Turkish Evening (FIG Foundation dinner, sponsored by Trimble) was a spectacular dinner with music and a possibility for all to join in the dance, and the Gala Dinner that took place on a boat sailing on Bosphorus. It was very special to sail up and down the beautiful coastline which gave an extra dimension to the networking with many of the participants.

A large thanks to the local organising committee who for four years, since the General Assembly in 2014 voted Istanbul as destination for the FIG Congress 2018, have worked hard and very dedicated to make this FIG Congress a huge success for all participants, sponsors, exhibitors, accompanying persons and partners. FIG would not be able to carry through a conference without this work from the local member association, and some very dedicated persons. A special thanks to Co-congress Director Orhan Ercan for his tireless and efficient work together with Prof. Muzaffer Kahveci, Mr Muhittin Ipek, Mr Harun Resit Sever and Mr Ertugrul Candas, who was President of HKMO during the 4 years of preparations and also in the bidding process.

► [fig.net/news/news\\_2018/05\\_ww\\_report.asp](http://fig.net/news/news_2018/05_ww_report.asp)



# FIG Meetings and Partnership Around the Globe

In 2018, FIG President Chryssy Potsiou and her Council, Commissions, Networks, Task Forces and with many other FIG volunteers represented FIG in many events and activities all around the world. It is impossible to mention and include all here as well as their valuable outcome, so this short overview will only give a small glimpse of some of the many activities.

2018 was the final year of the term 2015–18 for the 10 Commission Chairs and Young Surveyors Chair. This meant that there has been much activity to finalise Working Group activities.

Many of our members were involved in International events – thank you for the many initiatives.

On 9 November 2018 FIG President Potsiou signed a cooperation agreement with the International Union of Architects (UIA) and the European Council of Civil Engineers (ECCE) as an outcome of the TUFÉ event, organized by the Technical Chamber of Greece. It was the first time a conference was held with participation by surveyors, architects and civil engineers, and FIG president Chryssy Potsiou played a central role in the idea behind and organisation of this event.

The Worlds' first Global Surveyors Day 2018 was launched and celebrated in Washington during the World Bank Conference. The Global Surveyors Day was also celebrated in several other places around the world. The hope is that this day/week will be celebrated to emphasize the work done by surveyors and geospatial experts around the world.



The two FIG Capacity Development Networks – Asia/Pacific and Africa – are both showing their visibility in the regions.

Again in 2018 an Africa Regional Network (ARN) Meeting was held, this time in Gaborone, Botswana, attended by Vice President Dumashie. In conjunction to this event there was also a Young Surveyors Africa Network Meeting. The Asia Pacific Capacity Development Network (AP CDN) convened another seminar of the Reference Frame in Practice series in Suva, Fiji.

Much is happening in the region, and AP CDN has organized meetings in connection with other events. AP CDN, represented by its chair, Rob Sarib, was also attending the UNWGIC – the Inaugural Congress held by UN-GGIM in Deqing, China, together with FIG President Potsiou, Incoming President Staiger Incom-



ing Vice President Zhang and Vice President Lilje. FIG paid a visit to Wuhan University and representatives from FIG Chinese Corporate members during UNWGIC. Vice President Orhan Ercan represented FIG at both Chintergeo and Euro-Asian GIS Congress in Baku, Azerbaijan.

Commission 3 held its yearly meeting in Naples, Italy, and Commission 7 had organized its meeting in cooperation with the Norwegian Commission 7 representatives, and the meeting was held in Bergen, Norway. FIG had a stand at Intergeo to meet with current and potential members. Hereto FIG has attended member meetings and other special conferences.

FIG President Potsiou has continued her engaged work in several meetings, conferences and in the UN-ECE WPLA on the importance of formalisation the informal Settlements and real estate.

Together with FAO, FIG resumes to have a special focus on the FAO Voluntary Guidelines VGGT especially targeting university curricula and continuous professional development courses and on spatial planning and tenure.

The 2018 UN-Habitat/Global Land Tool Network (GLTN) Partners meeting was held in Nairobi, Kenya, and FIG was represented by Vice President Diane Dumashie and Director Louise Friis-Hansen. It is essential for FIG, as a long-term partner of GLTN, to steer and involve in the development of tools together with GLTN and other GLTN partners. So far 18 land tools have been developed that are now being used at a regional and national level. Two of the most recent tools were launched in 2018:

FIG Honorary President Teo Chee Hai had a central convening and leadership role from the first initiative until the final report on *Framework for Costing and Financing Land Administration Services – CoFLAS*. It is a practical implementation guide that accompanies the overarching Framework for Costing and Financing Land Administration Services (CoFLAS) tool document. The costing and financing of land administration services directly addresses one of the 18 core land tools identified by GLTN: “modernizing the land agencies’ budgetary approach”.

► [fig.net/news/news\\_2018/](http://fig.net/news/news_2018/)



*The Valuation of Unregistered Lands: A Policy Guide* publication is based on internationally recognized GLTN's continuum of land rights framework and aims to significantly contribute to our collaborative journey of securing land and property rights for all. The guide was launched at the GLTN Partners meeting and during FIG Congress 2018 in Istanbul, Turkey.



The FIG Asia Pacific Capacity Development Network (AP CDN) together with Commission 5 convened a Reference Frame in Practice Seminar held in Fiji with almost 100 participants from 14 countries in the region.



FIG aims to make an active effort on those Sustainable Development Goals that involve surveyors and surveying in order to assist in achieving the goals and their targets by 2030 and set the world on a path towards sustainable development. FIG continues to have the SDGs high on the agenda and to contribute where possible.



FIG Foundation sponsored five Young Surveyors to attend the FIG Congress 2018: James Quick, United Kingdom, Cemre Sahinkaya, Turkey, Mudit Kapoor, India, Ana Julia Herrera Gonzalez, Costa Rica, and Jean-Pierre Habiyaemye, Rwanda,



## Young Surveyors

FIG Young Surveyors have built up an impressive international network with strong regional engagement.

In addition to FIG Congress in Turkey FIG Young Surveyors have held meetings in 2018 in USA (Maryland), Asia (Tokyo), and Africa (Botswana).

► [fig.net/youngsurveyors](http://fig.net/youngsurveyors)



Four Young Surveyors were funded by FIG Young Surveyors and FIG Foundation to attend UNWGIC. From left: Louise Friis-Hansen, Siotasia Malolo, Tonga, Chair of FIG Young Surveyors Eva-Maria Unger, Rudolf Staiger, Chryssy Potsiou, Willy Franck Sob, Cameroon, Qiqi Yang, China and Uttam Pudasaini, Nepal.



The Africa Regional Network Workshop in Botswana brought together a record 100 land professionals from across the continent. The conference was preceded by the 1st African Young Surveyors Meeting.



## FIG Foundation – Building a Sustainable Future

FOUNDATION

FIG Foundation has been established for the purpose of raising funds to finance educational and capacity building projects and scholarships, especially in developing countries and countries in transition, and to encourage research into all disciplines of surveying and to disseminate the results of that research.

The Board of Directors for 2018:

- John Hohol, President of the FIG Foundation (USA)
- Prof. Michael Barry, Director (Canada)
- Mr. Daniel Steudler, Director (Switzerland)
- FIG Vice President Orhan Ercan (Turkey)
- Ms. Winnie Shiu, Director (China).

In addition to sponsoring five Young Surveyors to attend the FIG Congress 2018, FIG Foundation supported participation of Young Surveyors in regional meetings, the Africa Regional Network Workshop, Summer School in Italy and ESRI User Conference.

► [fig.net/figfoundation](http://fig.net/figfoundation)

### 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 2018

Three new publications were released in 2018:

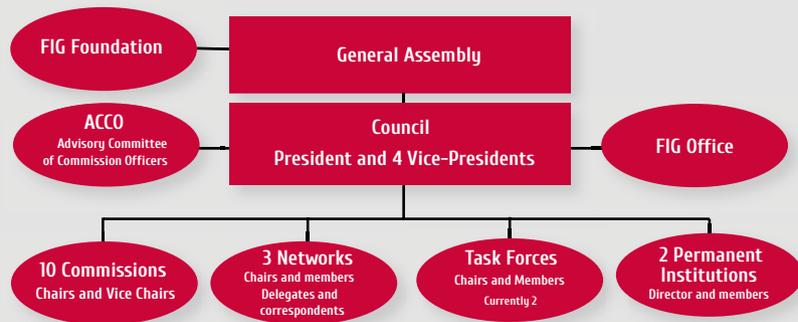
- FIG Publication No. 70 *The Africa Regional Network*, a report by Dr. Diane A Dumashie, Chair of Africa FIG Regional Network
- FIG Publication No. 71 *FIG Guidance on Professional Competencies for Quantity Surveyors / Construction Economists / Cost Engineers*, FIG Guide by FIG Commission 10
- FIG Publication No. 72 *Best Practices 3D Cadastres*, a report by 3D Cadastre Joint Working Group Commission 3 and Commission 7.

▶ See all FIG publications at:  
[fig.net/resources/publications/figpub/](http://fig.net/resources/publications/figpub/)



## IT Development in 2018

The FIG data administration was further developed during 2018 e.g. with minor improvements in conference management related features in registrations and paper handling. FIG Conference Web App continued to be enhanced, as well.



## FIG Commissions

- **Commission 1 – Professional Standards and Practice:**  
*Chair:* Mr. Brian J. Coutts, NZIS, New Zealand  
*Incoming:* Ms. Winnie Shiu, CSSMG, China
- **Commission 2 – Professional Education**  
*Chair:* Ir. E.M.C. (Liza) Groenendijk, GIN, Netherlands / Fahria Masum, Germany  
*Incoming:* Mr. David Mitchell, SSSI, Australia
- **Commission 3 – Spatial Information Management**  
*Chair:* Dr. Enrico Rispoli, CNGeGL, Italy  
*Incoming:* Mr. Hartmut Müller, DVW, Germany
- **Commission 4 – Hydrography**  
*Chair:* Ms. Angela Etuonovbe, NIS, Nigeria  
*Incoming:* Prof. Dr. Mahmud Mohd Razali, PEJUTA, Malaysia
- **Commission 5 – Positioning and Measurement**  
*Chair:* Prof. Dr.-Ing. Volker Schwieger, DVW, Germany  
*Incoming:* Mr. Daniel Roman, NSPS, USA
- **Commission 6 – Engineering Surveys**  
*Chair:* Dr. Ivo Milev, USLMB, Bulgaria  
*Incoming:* Ms. Maria João Henriques, OEC-EG, Portugal
- **Commission 7 – Cadastre and Land Management**  
*Chair:* Ms. Gerda Schennach, OVG, Austria  
*Incoming:* Mr. Daniel Paez, Colombian Society for Surveyors, Colombia
- **Commission 8 – Spatial Planning and Development**  
*Chair:* Mr., M.A (Env. Mgt & Policy) Kwame Tenadu, GHIS, Ghana  
*Incoming:* Marije Louwsma, GIN, Netherlands

- **Commission 9 – Valuation and the Management of Real Estate**

*Chair:* Mr. Steven Nystrom, NSPS, USA  
*Incoming:* Mr. Ben Elder, RICS, UK

- **Commission 10 – Construction Economics and Management**

*Chair:* Mr. See Lian Ong, RICS, Malaysia  
*Incoming:* Mr. Alan Muse, RICS, UK

## FIG Networks

- **FIG Standards Network**  
*Chair:* Mr. David Martin, OGE, France
- **Africa Regional Network**  
*Chair:* Dr. Diane Dumashie, RICS, UK  
*Incoming:* Jennifer Whittal, South Africa
- **Asia-Pacific Regional Network**  
*Chair:* Mr. Rob Sarib, SSSI, Australia
- **Young Surveyors Network**  
*Chair:* Ms. Eva-Maria Unger, OVG, Austria  
*Incoming:* Ms. Melissa Harrington, NZIS, New Zealand

## Permanent Institutions

- **The International Office of Cadastre and Land Records (OICRF)**  
*Director:* Dr. 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 Real Estate Market Study**  
*Chair:* Mr. Pekka Halme, MIL, Finland
- **FIG Task Force on Corporate Members**  
*Chairs:* Mr John Hohol and Mr Bryn Fosburgh (Trimble), NSPS, USA

# FIG Members

\*) New member associations; to be approved by General Assembly 2019

\*\*\*) New members from 2019 who have applied and were admitted into membership until April 2019

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

## Affiliate Members (April 2019)

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
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

Sri Lanka	Institute of Surveyors Sri Lanka
Sweden	Swedish professionals for the built environment
Switzerland	Swiss Association for Geomatics and Landmanagement
Syrian Arab Republic	Order of Syrian Engineers and Architects (OSEA)
Tanzania	Tanzania Institution of Valuers and Estate Agents (TIVEA)
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)
Uruguay	Surveyors Association of Uruguay
Vietnam	Vietnam Association of Geodesy – Cartography – Remote Sensing
Zimbabwe	Survey Institute of Zimbabwe
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
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 2019)

Australia	The University of Melbourne
	RMIT University
	University of New South Wales
	University of Southern Queensland Australia
	University of Technology Sydney
Austria	Universität für Bodenkultur Wien BOKU
Belgium	Haute Ecole Leonard de Vinci (ECAM)
	Universite de Liege
	Antwerp Maritime Academy
	Ghent University
Brazil	Universidade do Vale do Rio dos Sinos (UNISINOS)
Canada	University of Calgary
	University of New Brunswick
	Université Laval
	British Columbia Institute of Technology (BCIT)
China	School of Public Administration
	The University of Nottingham
Colombia	Universidad Distrital Francisco José de Caldas
	Universidad Distrital Francisco José de Caldas
	Universidad de los Andes
Croatia	University of Zagreb
Czech Republic	Brno University of Technology
Denmark	Aalborg University
Ethiopia	Bahir Dar University – Institute of Land Administration
Fiji	University of the South Pacific
Finland	Aalto University
	Helsinki Metropolia University of Applied Sciences
	Lapland University of Applied Sciences
France	Ecole Supérieure des Géomètres et Topographes (ESGT)
Germany	Anhalt University of Applied Sciences
	Technische Universität München (TUM)
	Berlin Institute of Technology
	University of Stuttgart
Ghana	University of Mines and Technology
Greece	School of Rural and Surveying Engineering
Hong Kong SAR, China	The Hong Kong Polytechnic University
Hungary	Obuda University, AMK, Institute of Geoinformatics
Ireland	Dublin Institute of Technology
Israel	Technion Research & Development Foundation
Jamaica	University of Technology
Latvia	Riga Technical University
Lebanon	Lebanese Canadian University (LCU)
Lebanon	Lebanese International University (LIU)
Macedonia, FYR	South-East European Research Institute on Geo Sciences
Multinational	UNIGIS International Association
Namibia	Namibia University of Science and Technology
Nepal	Land Management Training Centre
Netherlands	University of Twente – Faculty of Geo-Information Science and Earth Observation (ITC)
New Zealand	University of Otago
Nigeria	ABIA State Polytechnic, ABA
	University of Benin
	University of Nigeria Nsukka Enugu Campus
Norway	Norwegian University of Life Sciences
	Bergen University College
Palestine, State of	Palestine Polytechnic University
Papua New Guinea	Papua New Guinea University of Technology
Puerto Rico	Polytechnic University of Puerto Rico
Romania	Decembrie 1918" University of Alba Iulia
	Technical University of Civil Engineering Bucharest
	University of Oradea- Faculty of Construction, Cadastre and Architecture
Russian Federation	Moscow State University of Geodesy and Cartography
	State University of Land Use Planning
Rwanda	INES-Ruhengeri
Senegal	National Order of Surveyors of Senegal
Serbia	University of Novi Sad
Slovenia	University of Ljubljana
South Africa	University of Cape Town
Spain	University of Jaen Spain
Sri Lanka	Sabaragamuwa University of Sri Lanka
	Institute of Surveying and Mapping
Sweden	Royal Institute of Technology
	Department of Real Estate Science at Lund University
	University West
Switzerland	University of Applied Sciences Northwestern Switzerland
Trinidad and Tobago	University of the West Indies
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

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 2019)

### PLATINUM LEVEL

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

### GOLD LEVEL

	Supermap Software Co, Ltd. www.supermap.com
--	--

### SILVER LEVEL

	Geoweb S. p. A
	Thomson Reuters
	Topcon Europe Positioning b.v.

### BRONZE LEVEL

	COWI A/S
	GEOHECO – Géographie, Topographie, Hydraulique, Energie et Construction
	GIM International – Geomares Publishing

	GIS/Transport Ltd.
	RKSoft MapCodeX
	RIPRO Corporation, Japan

### BASIC LEVEL

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

### REGIONAL LEVEL

	Branco Etera Ltd, Kazakhstan
	Génie Congo Sarl
	GEO:connexion Ltd
	Georeference Engineering Consultants, Saudi Arabia
	Geo-Tech Surveys Ltd, Ghana
	M/s Accord Marine Surveyors & Consultants
	M/s Survey Scale Pvt. Limited
	Orbits Engineering Firm

## Income and Expenditure Account 2016–2018

REGULAR INCOME	Result 2018 *)	Budget 2018	Result 2017	Result 2016
<b>Subscriptions</b>	<b>(all figures in Euro)</b>			
Member associations	271,297	270,000	271,113	260,794
Affiliate members	31,100	30,000	29,260	33,441
Corporate members	81,350	90,000	80,025	79,450
Academic members	10,625	12,000	12,312	12,237
Less bad debts	-31,528	-20,000	-50,034	-32,072
Less change in provision for doubtful debts	-	-	20,000	-5,067
	<b>362,844</b>	<b>382,000</b>	<b>362,676</b>	<b>348,783</b>
Financial income / expenses	1,156	3,000	4,366	6,277
Less banking costs	-737	-250	-766	-523
Currency diff	10,672		-12,155	4,126
Advertising income	25		849	
Events – fees charged for services	60,000	60,000	56,000	50,000
<b>Total regular income</b>	<b>433,960</b>	<b>444,750</b>	<b>410,970</b>	<b>408,663</b>
<b>REGULAR EXPENDITURE</b>				
Administration	181,983	216,500	153,749	179,989
Marketing and publications	32,273	20,000	12,821	13,880
Council and executive management	184,867	186,000	147,090	151,524
Commission support	33,000	33,000	33,000	33,000
<b>Total regular expenditure</b>	<b>432,123</b>	<b>455,500</b>	<b>346,660</b>	<b>378,393</b>
<b>Surplus/deficit of regular income over regular expenditure</b>	<b>1,837</b>	<b>-10,750</b>	<b>64,310</b>	<b>30,270</b>
<b>PROJECTS AND DEVELOPMENT</b>				
<b>Events – funds received by FIG</b>	<b>13,125</b>	<b>20,000</b>	<b>17,008</b>	<b>24,025</b>
<b>Development spent</b>	<b>-11,938</b>	<b>-22,000</b>	<b>-16,778</b>	<b>-16,822</b>
<b>SURPLUS OF THE YEAR (REGULAR)</b>	<b>3,024</b>	<b>-12,750</b>	<b>64,540</b>	<b>37,473</b>
<b>RESULT</b>				
<b>Overall surplus/deficit in the year – normal activities</b>	<b>3,024</b>		<b>39,540</b>	<b>17,473</b>
<b>Total reserve at the year end</b>	<b>604,688</b>		<b>601,664</b>	<b>537,121</b>
Events	50,000		50,000	25,000
IT reserve	50,000		50,000	50,000
<b>General reserve</b>	<b>504,688</b>		<b>501,664</b>	<b>462,121</b>
Overall Reserve as % of annual expenditure	117%		174%	
General reserve as a % of regular annual expenditure	114%		145%	110%

## FIG Balances 2012–2018



\*) The accounts will be adopted by the General Assembly April 2019. The income and expenditure presentation follow the template approved by the General Assembly in 2009.





"Smart surveyors for land and water management"

[www.fig.net/fig2020](http://www.fig.net/fig2020)

# FIG Working Week 2020

## Amsterdam, Netherlands



10-14 May 2020

# FIG Working Week 2021

## Accra, Ghana



[www.fig.net/fig2021](http://www.fig.net/fig2021)



24-28 May 2021

# FIG XXVII Congress 2022

## Cape Town, South Africa



[www.fig.net/fig2022](http://www.fig.net/fig2022)



14-20 May 2022

FIG PLATINUM CORPORATE MEMBERS

