



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

FIG

International Federation of Surveyors





Agenda



Who is FIG?

- Established in 1878 in Paris by 7 national member associations (Belgium, France, Germany, Italy, Spain, Switzerland and UK)
- Federation of national associations and organisations
- Only international body representing all surveying disciplines
- UN-recognised Non-Governmental organisation (NGO) and non-profit organisation



FIG – a global umbrella organisation

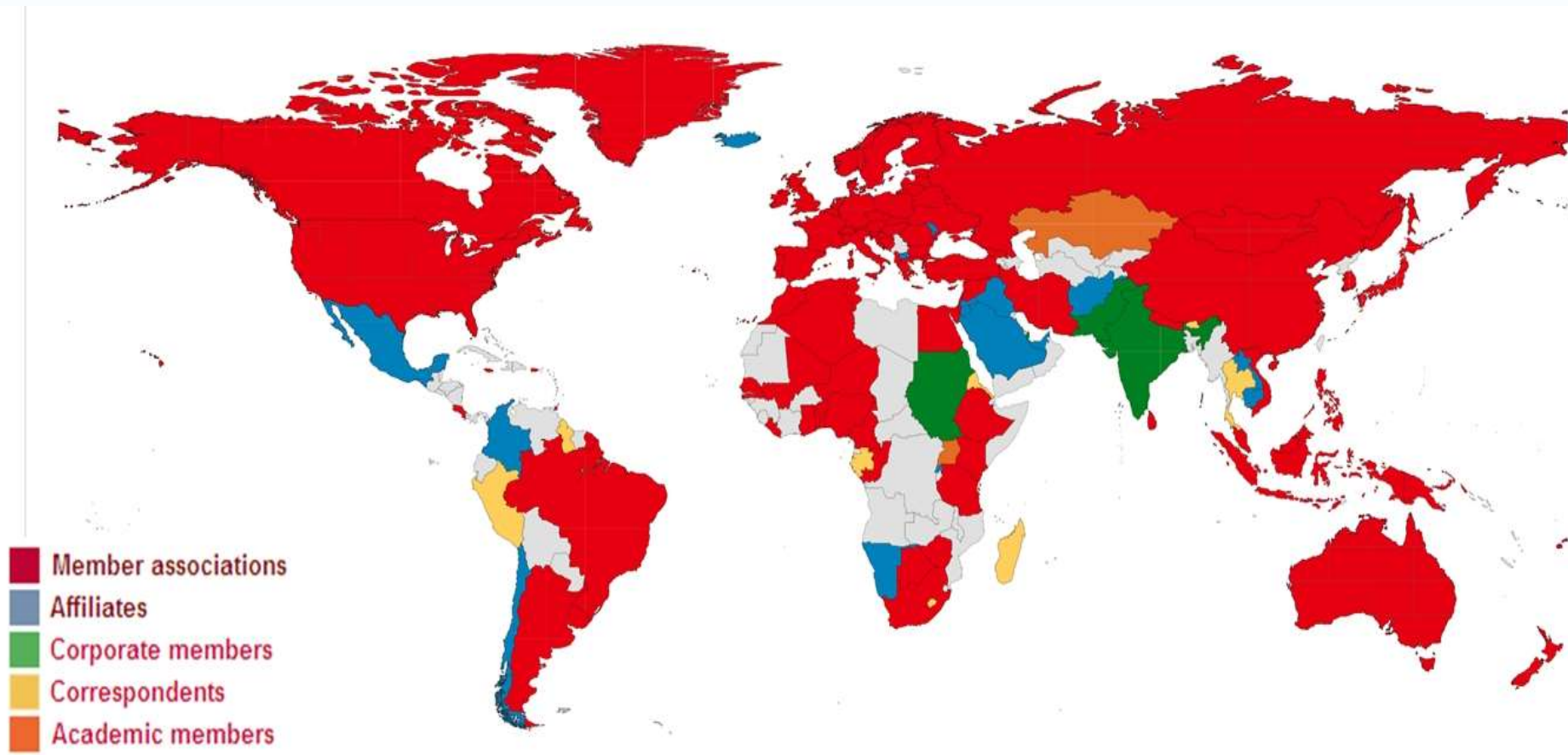


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Members

- Over 120 countries represented in 2019 – more than 300,000 individuals





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WHO

Members

Membership categories:

- 103 member associations from 88 countries
- 45 affiliate members from 41 countries
- 87 academic members from 54 countries
- 28 corporate members
- 4 correspondents
- 8 honorary presidents
- 29 honorary members
- 2 honorary ambassadors





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FIG Council

Vice Presidents

President



Rudolf Staiger
DVW (Germany)
2019-22



Diane Dumashie
RICS (UK)
2019-22



Orhan Ercan
TMMOB (Turkey)
2017-20



Mikael Lilje
SPBE (Sweden)
2017-20



Jixian Zhang
CSSMG (China)
2019-22



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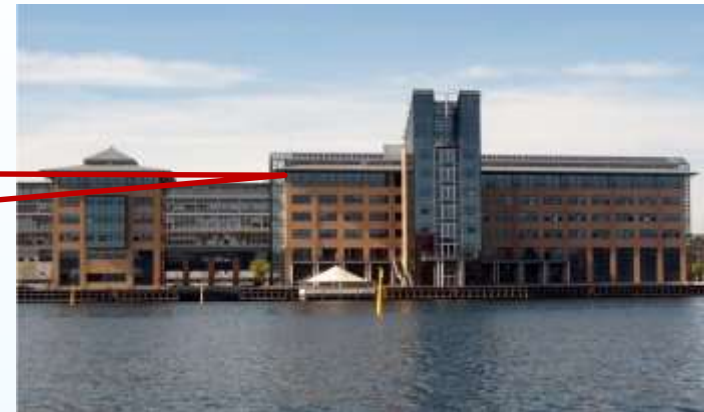
FIG Office - Copenhagen



Louise Friis-Hansen
Director



Claudia Stormoen Pedersen
Conference and Support Manager
(maternity leave)



Kalvebod Brygge, Copenhagen

At FIG Working Week 2017 in Helsinki
with Wu – our intern from China



Maria Bargholz
Finance and Administration
(part time)



Katja Lambertsen
Assisting Conference and
Support Manager



Mission of FIG

The Mission of the International Federation of Surveyors is to ensure that the disciplines of surveying and all who practice them meet the needs of the markets and communities that they serve.



Presidents meeting at FIG Congress 2018 in Istanbul, Turkey
 (72 member associations were represented)



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WHY

Council Work Plan

The FIG vision (2019-2022)

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

“Volunteering for the Future”.



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WHY

FIG aims at addressing land issues at:

Global level
Regional level
Country level
**City/
municipal level**





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WHY

The 2030 AGENDA

17 Goals, 169 Targets and 230 Indicators



Target 1: No Poverty

Sub target 1.4

By 2030, ensure that all men and women, in particular the poor and the vulnerable, have equal rights to ownership and control over land and other forms of property

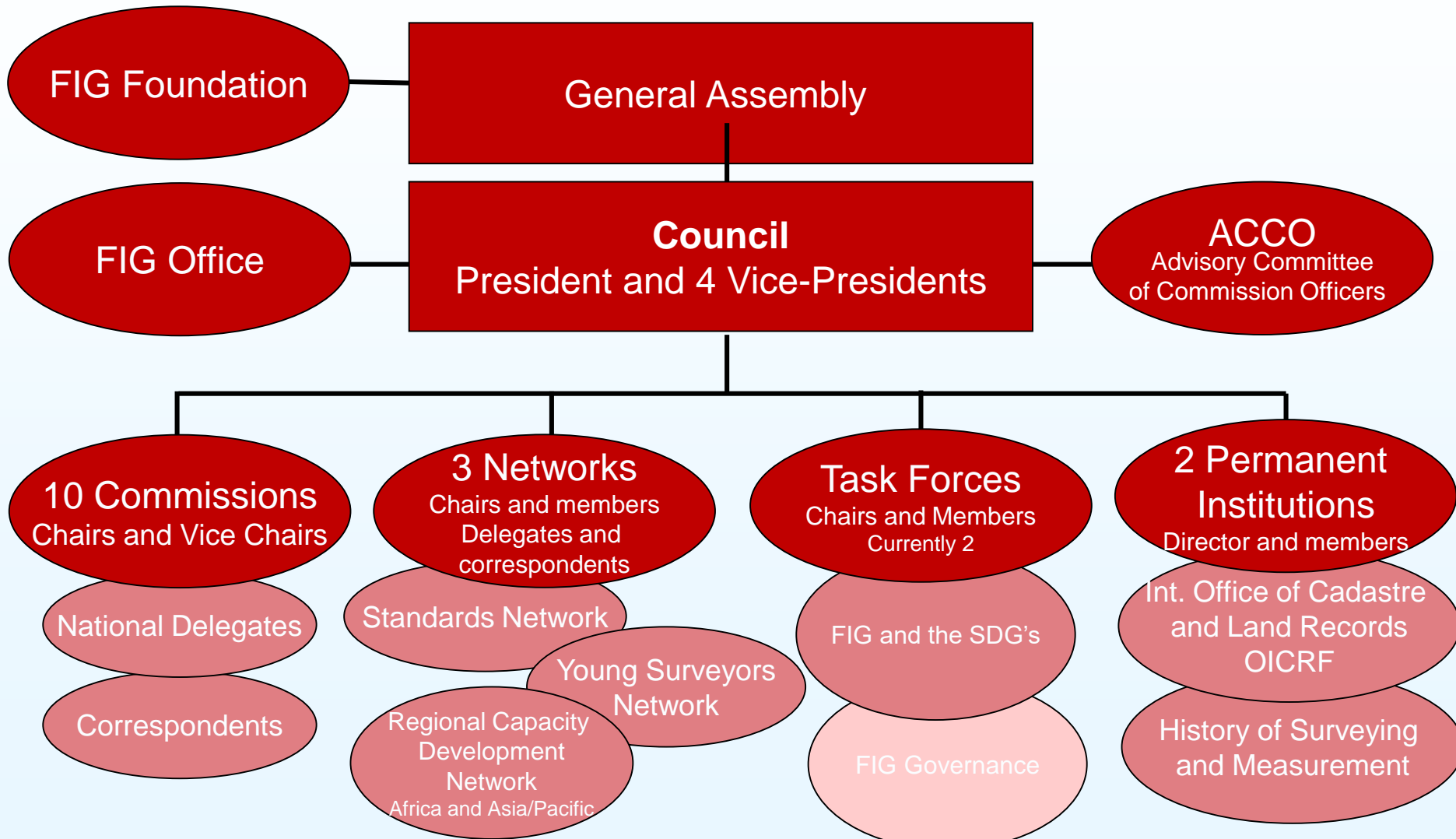
Indicator 1.4.2

Proportion of total adult population with secure tenure rights to land, with legally recognized documentation and who perceive their rights to land as secure, by sex and by type of tenure



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HOW



10 Commissions

1. Professional Practice

- 1.1 International Ethics Standards
- 1.2 Women in Surveying
- 1.3 International Boundary Settlement and Demarcation
- 1.4 Forum on Engagement of Private Practitioners

2. Professional Education

- 2.1 Towards educating the land professional
- 2.2 Innovative learning and teaching
- 2.3 Demand for and supply of professional education
- 2.4 Accreditation and quality assurance

3. Spatial Information Management

- 3.1 SIM infrastructure
- 3.2 Technical aspects of SIM
- 3.3 3D Cadastre (joint with commission 7)
- 3.4 Crowdsourcing and VGI supporting SDI



10 Commissions

4. Hydrography

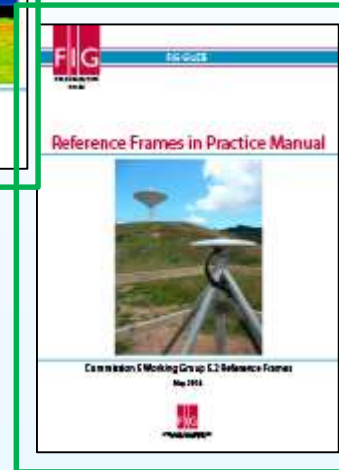
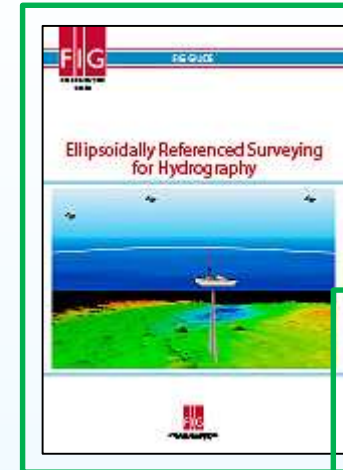
- 4.1 - Standards and Guidelines for Hydrography
- 4.2 - Maritime and Marine Spatial Information Management
- 4.3 - Blue Economy

5. Positioning and Measurement

- 5.1 – Standards, Quality Assurance and Calibration
- 5.2 – 3D Reference Frames
- 5.3 – Vertical Reference Frames
- 5.4 – GNSS
- 5.5 – Multi-Sensor-Systems
- 5.6 – Cost Effective Positioning

6. Engineering Surveys

- 6.1 – Deformation Monitoring and Analysis
- 6.2 – Engineering surveys for design, constructive works and exploitation of buildings and transportation infrastructure
- 6.3 – Sensor fusion, data acquisition and processing techniques for moving measuring complexes
- 6.4 – Wide Area Engineering Surveys for Monitoring, Features Determination and Environmental Management



10 Commissions

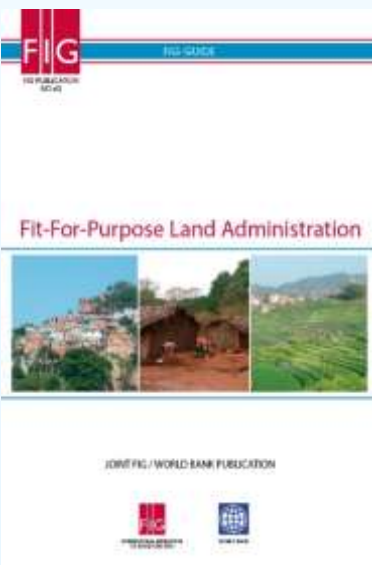
7. Cadastre and Land Management

- 7.1 – Fit-For-Purpose Land Administration
- 7.2 – Land Management in Climate Change and Pre- and Post-Disaster Areas
- 7.3 – Crowdsourcing of Land Rights
- 7.4 – Citizen Cadastre
- Cadastral template
- 3-D Cadastre

Fit-for-purpose approach

Securing land rights for all
70 per cent of the world
population do not have access
to formal systems for registration
of their cadastral rights.

In Rwanda, 10 million parcels
were registered in 5 years at 6
USD per parcel (Re. Stig Enemark,
former FIG President)



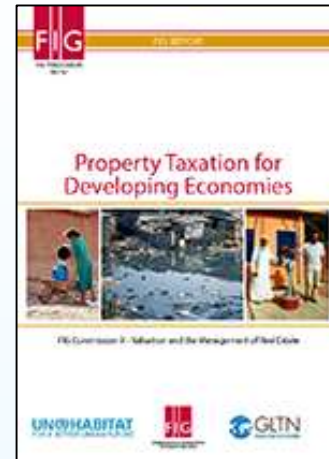
Rwanda blev 10 mill parceller

registret på 5 år for 6 USD / parcel

10 Commissions

8. Spatial Planning and Development

- 8.1 – Disaster recovery, risk management and resilience planning
- 8.2 – Stewardship for water, land and forest as primary
- 8.3 – Human settlement policies and implementation
- 8.4 – Resilient Urban Development
- 8.5 – Rural development and land governance



9. Valuation and the Management of Real Estate

- 9.1 - Expanded Policy Framework for Sustainable Real Estate Markets
- 9.2 – Valuation and Real estate management through Fin-tech
- 9.3 - Valuation Methods and Standards Worldwide
- Commissions 9 and 7 – Development of a Valuation Component for the ISO 19152:2012 Land Administration Domain Model

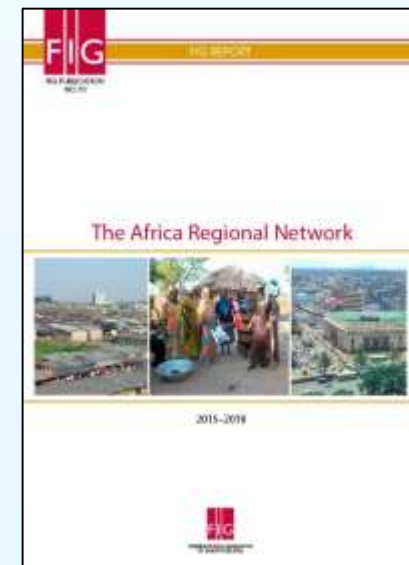


10. Construction Economics and Management

- 10.1 – International Construction Measurement Standards
- 10.2 – Building Information Modelling
- 10.3 – Education and Research

Networks

- Standards Network
 - ISO certification (e.g. TC211 Land Administration Model LADM)
- Regional Capacity Network:
 - Asia/Pacific (mature)
 - Africa (just starting up)
 - **Americas (building up)**
- Young Surveyors Network



Young Surveyors Network

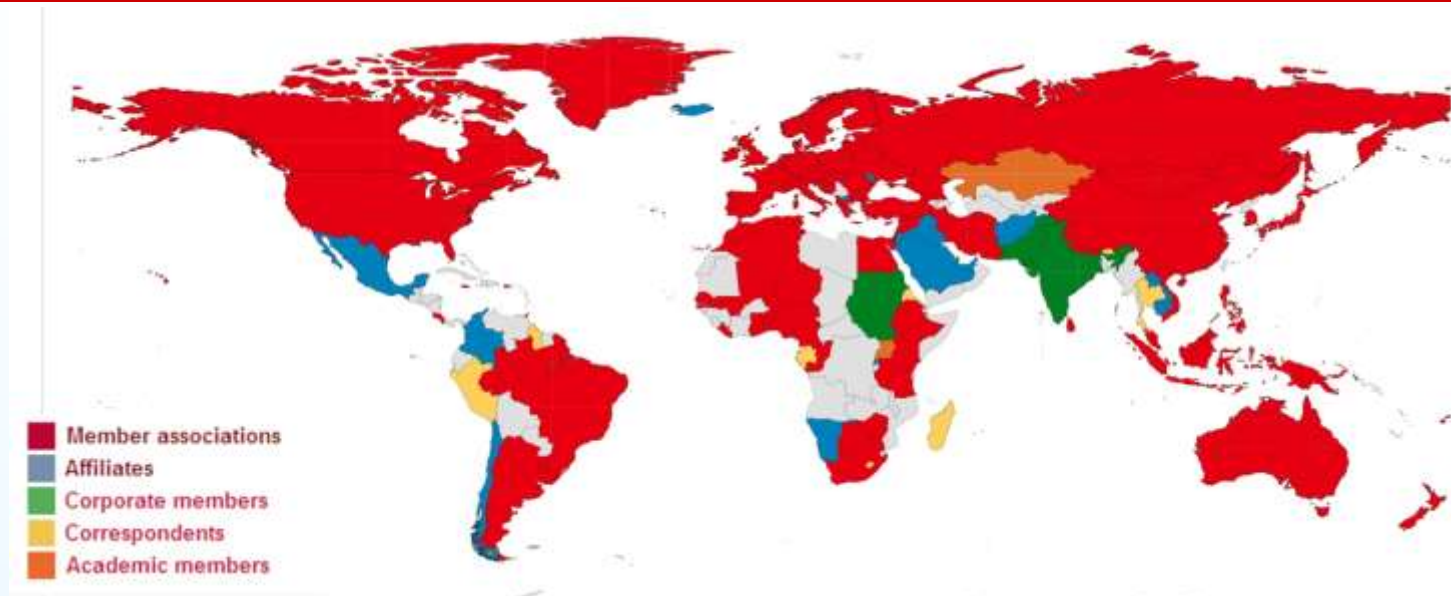
- To improve the number of young professionals participating within the FIG.
 - To help young professionals in the beginning of their careers with contacts.
 - To increase co-operation between the commissions and the students and young professionals network.
-
- Young Surveyors Meetings/Conferences
 - Young Surveyors Voluntary Community Service Project





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WHERE



Cooperation at regional level:

Fédération des Géomètres Francophones (FGF)

Arab Union of Surveyors (AUS)

Comité de Liaison des Géomètres Européens (CLGE)

ASEAN Federation of Land Surveying and Geomatics (AFLAG)

Asociación Panamericana de Profesionales de la Agrimensura y Topografía (APPAT)

Mediterranean Union of Surveyors (UMG)

Pacific Association of Quantity Surveyors (PAQS)



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HOW

FIG Foundation Building a Sustainable Future



Provides grants and scholarships, promoting high standards of surveying education, encouraging research activities and promoting the exchange of young surveying personnel.

FIG Foundation Building a Sustainable Future





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HOW

Sister Organisations

Partners with Memorandum of Understanding

International Association of Geodesy (IAG)
International Hydrographic Organization (IHO)
International Society for Photogrammetry and Remote Sensing (ISPRS)
Global Spatial Data Infrastructure Association (GSDI)
International Society for Mine Surveying (ISM)
International Federation of Hydrographic Societies (IFHS)
International Real Estate Federation (FIABCI)
Pan American Institute of Geography and History (PAIGH)
International Research Council for Building Studies and Documentation (CIB)
International Cost Engineering Council (ICEC)
International Federation of Housing and Planning, IFHP



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HOW

International cooperation

World Bank Group



United Nations Human Settlement Program (UN-Habitat)

Global Land Tool Network (GLTN) (UN-Habitat)

Food and Agriculture Organization of the United Nations (FAO)

United Nations Global Geospatial Information Management (GGIM)

United Nations Office for Outer Space Affairs (UNOOSA)



United Nations Economic Commission for Europe (UNECE)

United Nations Economic Commission for Africa (UNECA)

United Nations Department of Economic and Social Affairs (UN DESA)

United Nations Conference on the Standardization of Geographic Names

United Nations Regional Cartographic Conferences (UNRCC)

International Organization for Standardization (ISO)



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HOW

Close cooperation with UN and World Bank working towards 2030 Sustainable Development Goals

“FIG’s role as “change agents” is critical if we are to bring these “concepts and tools” into concrete actions”

- World Bank and FIG: Fit-for-Purpose approach
- UN-Habitat/Global Land Tool Network (GLTN) and FIG
 - FIG - partner in GLTN Professional Cluster – current Co-Chair
 - Activities:
 - Tool development – Land Tools for Tenure Security e.g. Social Tenure Domain Model (STDM); Valuation of Unregistered Land
 - Knowledge management and awareness building activities e.g. Sessions at FIG Working Week
 - Implementation of capacity development initiatives e.g. STDM Workshop; new initiative GLTN/YS volunteer programme
- FAO and FIG: Voluntary Guidelines (VGGT)
- UN-GGIM: e.g.
 - Reference frame, UN-GGIM-Geospatial Societies
- Other UN organisations



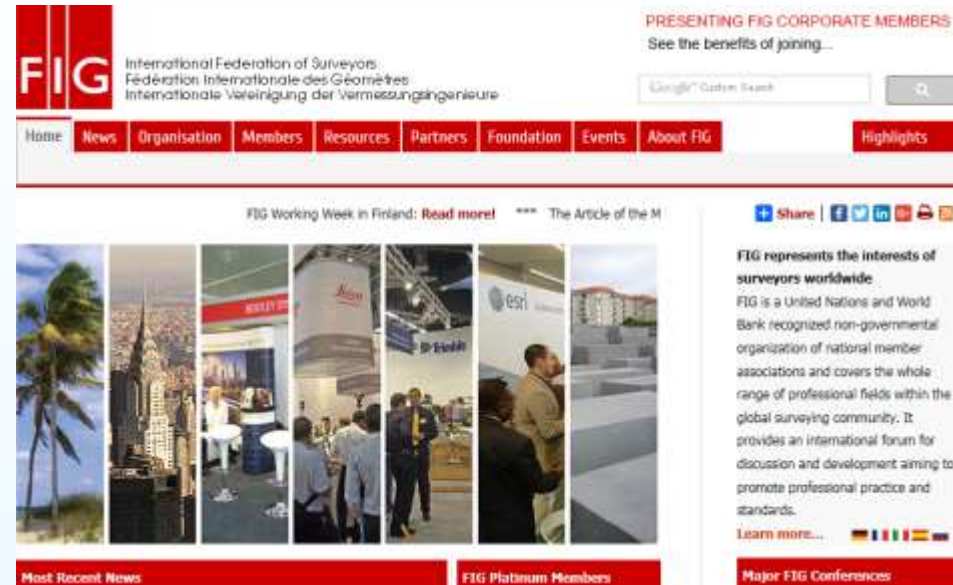


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WHAT

Communication

- Web site: www.fig.net
- Annual Review
- e-Newsletter
- Article of the month
- Commission newsletters
- Publications
- Congress and working week proceedings
- Surveyors Reference Library
- Social media





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WHAT



www.fig.net

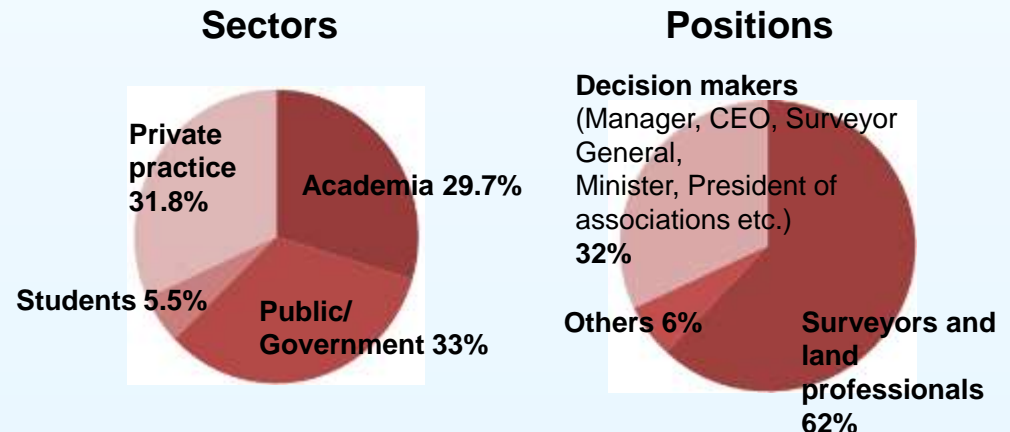
FIG Events - Why

- Congress – every 4 year
- Working Week – every year in between
 - Working Week is much more than a conference – meetings, working groups, exhibition

WHY:

- Networking - worldwide
- Learning
- Exchanging experience
- Getting inspiration & ideas
- Meeting fellow professionals
- Make contacts and friends

Participants - statistics





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WHERE



- 950 participants
- Over 300 presentations
- 80 Sessions
 - ✓ Technical sessions
 - ✓ Inspirational Sessions ISS
 - ✓ FIG sessions
 - ✓ FIG Forums
 - ✓ Partner Sessions (World Bank, UN-Habitat/GLTN, FAO)
 - ✓ Exhibition – around 60 exhibitors
 - ✓ Pre-events: BIM, Reference Frame in Practice, Young Surveyors



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WHERE



WORKING WEEK 2020
10-14 MAY

Smart surveyors for land and water management



2020

2021



FIG Working Week 2021
Accra, Ghana 24-28 May



"Building Resilient Environment
- Surveyors Innovating Fit for Future Societies"

www.fig.net/fig2021



XXVII (27th)
FIG CONGRESS
CAPE TOWN | SOUTH AFRICA
15-20 MAY 2022



Join our
Community

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t twitter.com/FIG2022
i [instagram.com/fig2022/](https://www.instagram.com/fig2022/)

Comment with your name
& surname, share our post,
& stand a chance to WIN
ONE FREE REGISTRATION
for FIG 2022 in Cape Town

2022

2023



FIG Working Week 2023
Orlando, Florida USA

27 May – 3 June 2023





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WHERE

See you in Amsterdam

