



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

An aerial photograph of a rural landscape. In the foreground, there is a small village with several houses and a road. To the right of the village is a large, dark lake. The surrounding area is covered in dense green forest and fields. In the background, there are rolling hills and a distant city skyline under a clear sky.

**FIG represents the
interests of surveyors
worldwide**



Who is FIG?

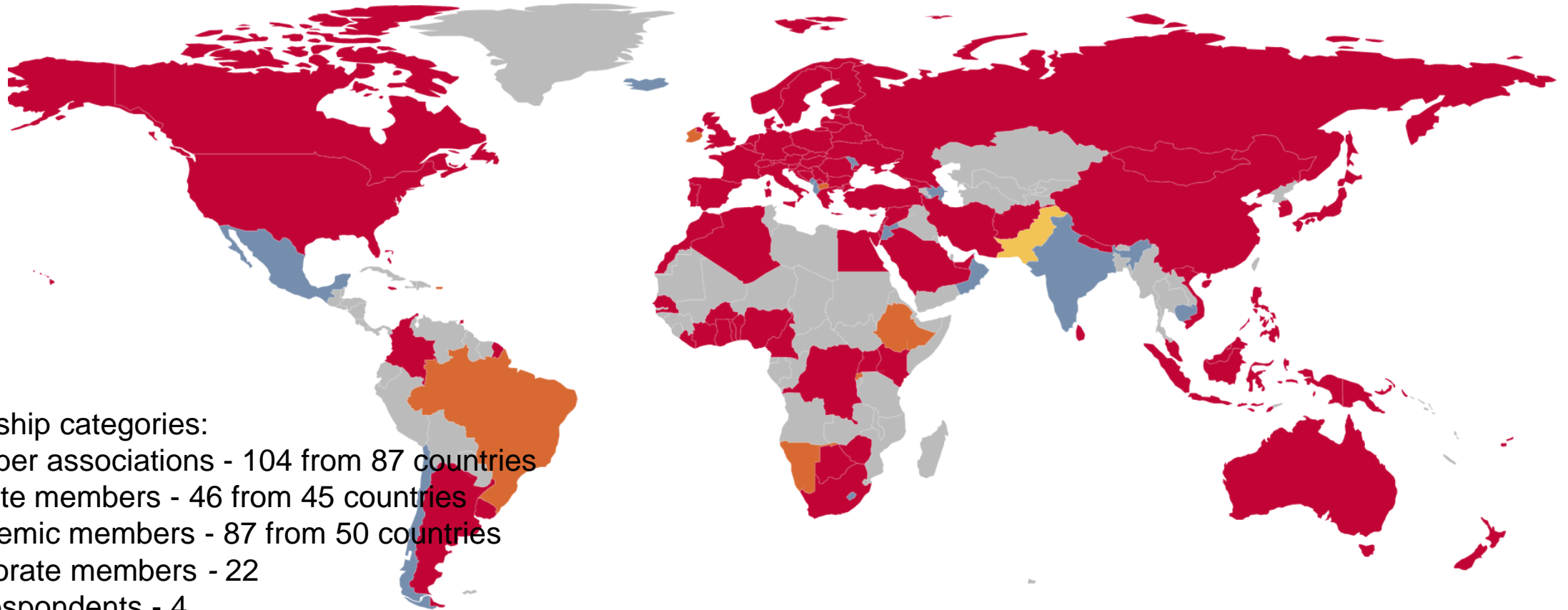
- Established in 1878 in Paris by 7 national member associations (Belgium, France, Germany, Italy, Spain, Switzerland and UK)
- Federation of national associations and organisation
- Only international body representing all surveying disciplines
- UN-recognised Non-Governmental organisation (NGO) and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



FIG – a global umbrella organisation

Members

Over 115 countries represented in 2020 – more than 300,000 individuals



Membership categories:

- Member associations - 104 from 87 countries
- Affiliate members - 46 from 45 countries
- Academic members - 87 from 50 countries
- Corporate members - 22
- Correspondents - 4
- Honorary presidents - 8
- Honorary members - 29
- Honorary ambassadors - 2

Mission of FIG

To ensure that the disciplines of surveying and all who practice them meet the needs of the markets and communities that they serve.



Current FIG Council



Jixian Zhang
CSSMG (China)
2019-2022

Diane Dumashie
RICS (UK)
2019-2022

Rudolf Staiger
DVW (Germany)
2019-2022

Orhan Ercan
TMMOB
(Turkey)
2017-2020

Mikael Lilje
SPBE (Sweden)
2017-2020



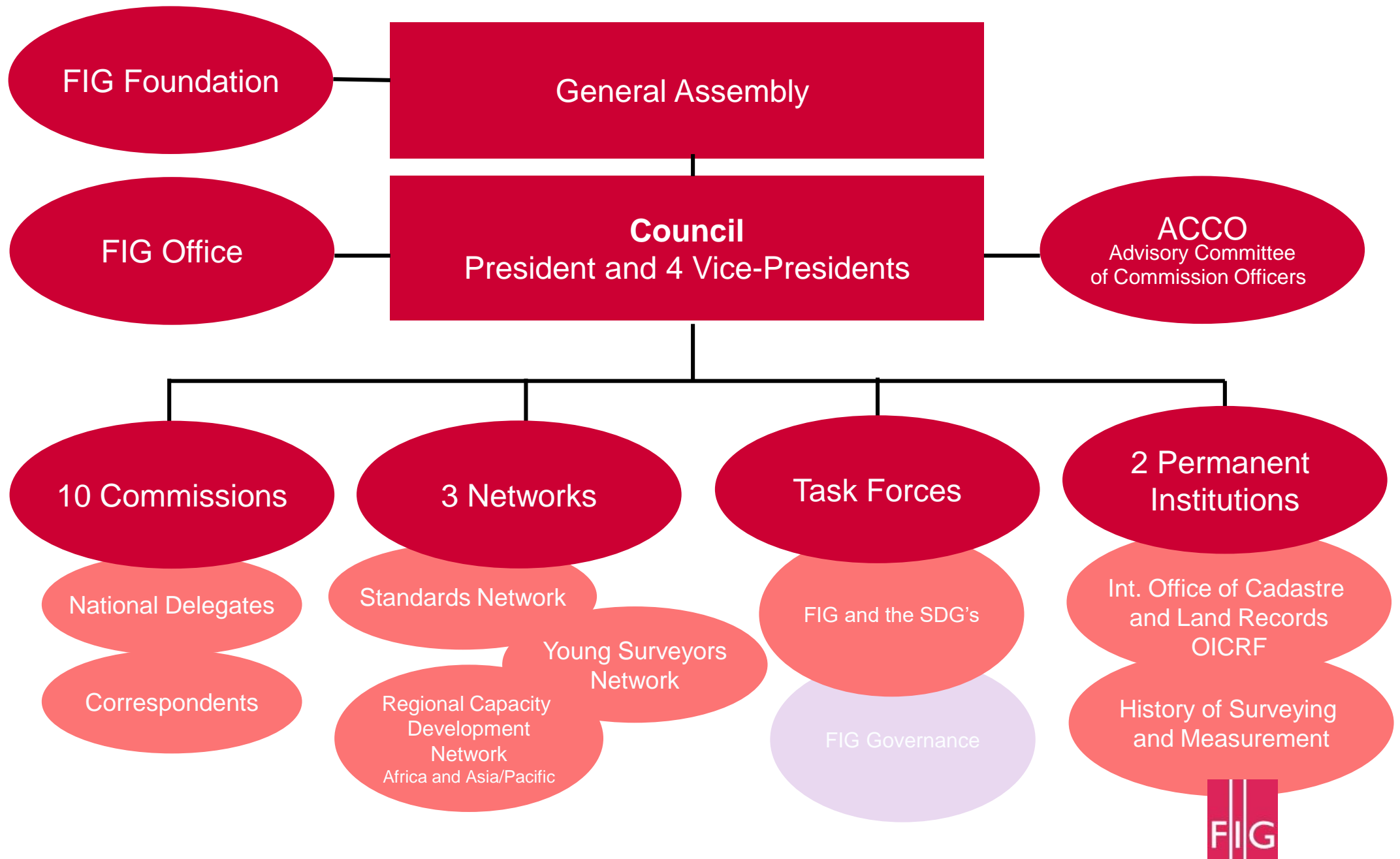
Council Work Plan

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”





Commission 1: Professional Practice

- International Ethics Standards (WG 1.1)
- Women in Surveying (WG 1.2)
- International Boundary Settlement and Demarcation (WG 1.3)

Commission 2:

Professional Education

- Developing academic networks for knowledge sharing (WG 1.1)
- Curriculum on the Move (WG 2.2)
- Learning styles in surveying education (Joint WG with YSN)

Commission 3: Spatial Information Management

- Geospatial Information Infrastructure for Smart Cities (WG 3.1)
- Geospatial Big Data: collection, processing, and presentation (WG 3.2)
- User-Generated Spatial Content Empowering Communities (WG 3.3)
- 3D Cadastres (WG 3.4)
- GIS Tools for Spatial Planning (WG 3.5)



Commission 4:

Hydrography

- Standards and Guidelines for Hydrography (WG 4.1)
- Blue Growth & UN Sustainable Development Goal 14 (WG 4.2)
- Mapping the Plastic (WG 4.3)
- Marine Development and Administration (WG 4.4)

Commission 5:

Positioning and Measurement

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

Commission 6:

Engineering Surveys

- Deformation Monitoring and Analysis (WG 6.1)
- Landslides Monitoring (WG 6.2)
- UAV in Surveying (WG 6.3)



Commission 7:

Cadastral and Land Management

- Cadastre Technologies and Smart City (WG 7.1)
- Fit-for-purpose (FFP) implementation (WG 7.2)
- Cadastral Template 2.0 and the SDGs (WG 7.3)
- Urban Challenges (Joint WG)

Commission 8:

Spatial Planning and Development

- Rural – urban dependency (WG 8.1)
- GIS tools for spatial planning (WG 8.2)
- Urban Challenges (Joint WG)
- Land policy instruments for spatial development (WG 8.4)
- African Water Governance (WG 8.5)



Commission 9:

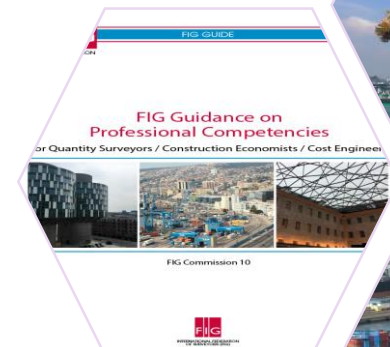
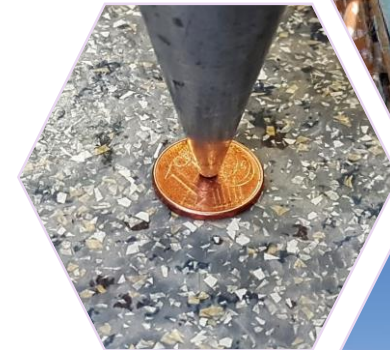
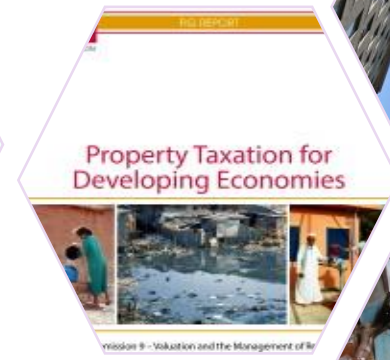
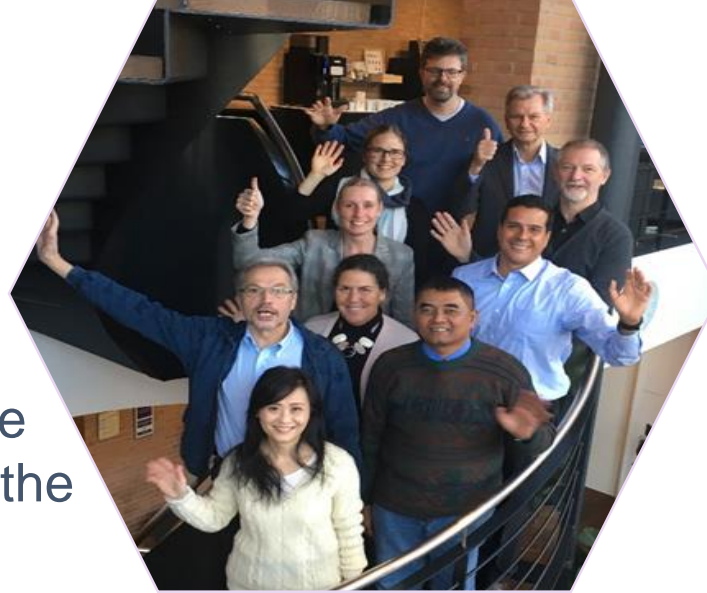
Valuation and the Management of Real Estate

- Manual and due diligence protocol for the 'Valuation of Unregistered Lands and informal property' (WG 1.1)
- Blockchain (WG 1.2)
- Urban Challenges (Joint WG)

Commission 10:

Construction Economics and Management

- International Construction Measurement Standards (WG 10.1)
- Digital Construction (WG 10.2)
- Education and Research (WG 1.3)



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

Working through

- Annual meetings as FIG Working Week
- Annual Commission events
- Special dedicated seminars and trainings as e.g. *Reference Frames in Practice*
- Publications
- Web page
- and of course; strong cooperation with partners as IAG, IHO, UN bodies etc.





WORKING WEEK 2021 21-25 JUNE

SMART SURVEYORS FOR LAND
AND WATER MANAGEMENT

CHALLENGES IN A NEW REALITY



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



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ONE FREE REGISTRATION
for FIG 2022 in Cape Town



FIG Working Week 2023
Orlando, Florida USA

27 May – 3 June 2023



WORKING WEEK **ACCRA 2024**



PUBLICATIONS



www.fig.net



PUBLICATIONS

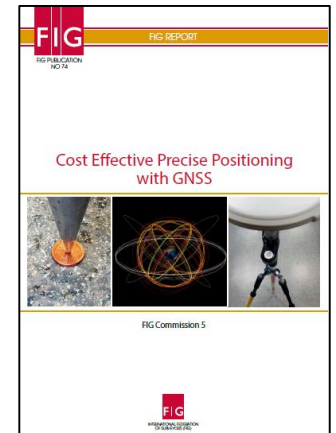
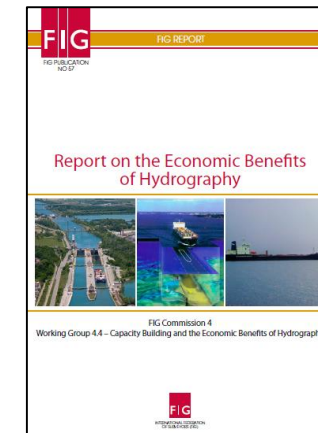
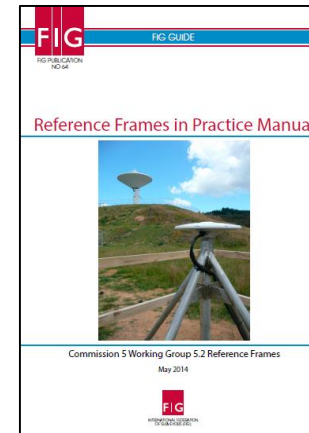
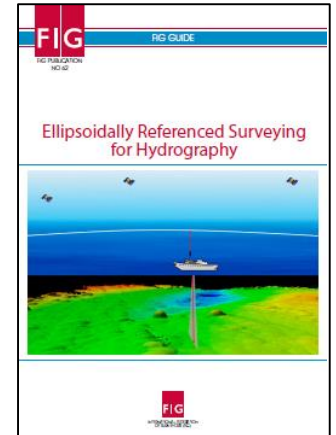
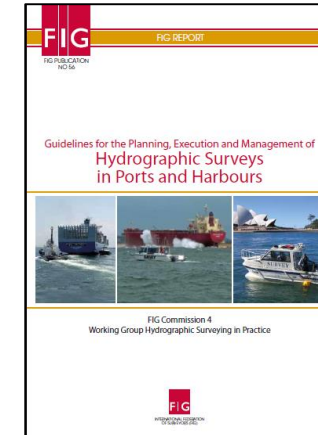
No 37: FIG Guide on Development of a Vertical Reference Surface for Hydrography – Ruth Adams and Dr. Ahmed El-Rabbany

No 56: Hydrographic Surveys in Ports and Harbours

No 57: Report on the Economic Benefits of Hydrography – Gordon Johnston

No 62: Ellipsoidal References Surveying for Hydrography – Jerry Mills and David Dodd

No 64: Reference Frames in Practice Manual – Graeme Blick



Some (already existing) areas for further cooperation, at least FIG – IAG – IHO

1. Mainly FIG Commission 4 and 5; *Hydrographic surveying* and *Positioning and Measurement*
2. Writing and updating of appropriate publications, as e.g. FIG publications
3. Global geodetic reference frames as ITRF
4. Modern surveying techniques as e.g. GNSS
5. Education, training & capacity building – joint training courses?
6. UNGGIM: Geospatial Societies, Global Geodetic Centre of Excellence, Working Groups and more– UN developing a Hydrographic Services and Standards Committee (HSSC)
7. The International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC).

THANK YOU

