Commission Work Plans

Commission 1, 2, 7, 8 and 9
Winnie SHIU
Chair Commission 1
Professional Standards & Practice

ACCO Representative (2019-2020)
WG1.1 International Ethical Standards
Chair - Gary Strong, UK

International Ethics Standards by IESC

Round Table Discussion - Implementation of IES

Results of Implementation of IES
Review of the FIG Publication No. 17 published in 1998

Plenary Session for IES in FIGWW 2021 and Case Study Guidance

16:00 - 17:30
Trimble Room
WG1.2 Women in Surveying
Chair: Robyn McCutcheon

2019
- Set Up Women in Surveying Network
- Create Policy Recommendation to the FIG Council

2020 - 2022
- Create an Action Plan
  - Actively promote women in the industry
  - Address the hidden bias towards women
  - Address the lack of gender diversity
- Review the results of implementation
WG1.2  Women in Surveying
Round Table Discussion on
25 April at 11:00 - 12:30 Trimble Room

- To discuss the action items, which include promoting women in surveying, addressing hidden bias towards women in surveying, tackling the lack of gender diversity
- how best to promote women in the surveying industry
- To discuss individual challenges and case studies in each country represented
WG1.3 International Boundary Settlement & Demarcation  
Chair: Dr. Haim Srebro, Israel

International Boundaries on Unstable Ground, Supplementary to FIG Publication 59

Maritime Boundaries Final Report at the FIG Congress 2022

International Boundary Making  FIG Publication 59

2013

2020

2022
Commission 1 Annual Meeting and Joint Dinner with Commission 2

• 24 April at 17:30
## WG1.1 International Ethics Standards

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To our Profession: Should we adopt IES
WG 1.2 Women in Surveying

To the Ladies:
Dare to Dream, Dare to Be
WG 1.3
International Boundary
Settlement and Demarcation

Peace and Stability throughout the World
Thank You

shiuwinnie@yahoo.com
FIG Commission 2 Workplan 2019-2022

General Assembly

Monday, 22 April

David MITCHELL, RMIT University, Australia
FIG Commission 2

- **Chair: David Mitchell** (RMIT University)
- **Vice Chair: Mohsen Kalantari** (Uni. of Melbourne)

- Key themes for this term:
  - Innovative learning and teaching (curriculum, methods, technology).
  - Knowledge sharing.
  - Capacity Building.
  - Cooperation with other professions.
  - CPD.
Why is Professional Education Important for Surveyors?

• The 1948 UN Universal Declaration of Human Rights: “higher education shall be equally accessible to all on the basis of merit.

• The SDGs Target Target 4.3: by 2030 “ensure equal access for all women and men to affordable quality technical, vocational and tertiary education, including university” (UN 2015).

• Effective professional education builds the knowledge needed to achieve the SDG targets
Working Group 2.1 Developing Academic Networks: Objectives

Chair: Dimo Todorovski (University of Twente)

- share knowledge and good practices in surveying curricula and programs across educational institutions and across countries – especially through existing and newly created academic networks;
- seek feedback from these academic networks on changes in curricula and approaches to professional education that respond to the changing nature of the surveying profession;
- discuss and describe core competences (knowledge, skills and attitudes) for the education of future land surveyors and land professionals;
- explore the needs of society and higher educational organizations to develop mechanisms and processes that will help to meet those needs;
WG2.2 Innovative teaching and learning: Objectives

• To exchange and promote good practices in learning and teaching
• Increase our understanding of the challenges and innovation in professional education.
• Exploring the needs of society and how education can meet those needs.
• Promoting sharing of advances in professional education,
• Research in surveying education and training (curriculum development, educational material development, joint courses, quality assurance etc.).
• Improving dissemination of information on educational theory and practice to the members across the world.
• Continuing Professional Development.
WG2.3 Evolving learning styles and needs: Objectives
Chethna Ben (Fiji), Franka Grubisic (Croatia), Mudit Kapoor (India)

- To survey, analyse and document the learning styles of students at different ages (including young surveyors) and from different regions.
- Increase our understanding of the varied ways that surveying students learn.
- Joint Commission 2/YSN working group project – “Learning and communication preferences of surveying students”.
How Commission 2 can make a difference

• By understanding different learning and communication styles.
• By strengthening academic networks to share knowledge and experiences.
• By promoting the very best examples in curriculum development, core competencies, teaching methods, and the use of technologies.
• By working with other commissions.
Commission 7
Cadastre and land Management

Co-chair
Paula Dijkstra
Kadaster International
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Chair
Daniel Paez
INECA Pty Ltd
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Land administration is about people
and new technologies are changing our work
SDGs are driving surveyor’s efforts
Urbanization is happening across the globe.
However, land challenges are bigger than ever
Commission 7

How could we measure land administration progress towards SDGs?

Working group 1: Cadastre template

How digital land information systems would disrupt the role of surveyors?

Working group 2: Digital twin and smart land information systems
Commission 7

How could we speed up with Fit-For-Purpose solving land challenges across the world?

Working group 3: FFP implementation

Who could we make cities more resilience?

Working group 4: Urban challenges
(with commission 8 and 9)

How could we develop a 3D representation of digital parcels?

Working group 5: 3D cadaster
(with commission 3)
Working plan 2019-2022

Commission 8 – Spatial planning and development

Marije Louwsma
Mission statement

In a world of **limited resources**, of which land is the most prominent in the domain of spatial planning, the mission of commission 8 is to **provide access** to planning processes for all and balance the various interests in pursuit of a **sustainable spatial development** at all governance levels both for the **short- and long-term**.
Working Groups

8.1 Rural-urban dependency
8.2 GIS tools for spatial planning (joint 3 & 8 WG)
8.3 Urban challenges (joint 7, 8, 9 WG)
8.4 Land policy instruments for spatial development
8.5 African water governance
8.1 Rural-urban dependency

Focus:

Rural-urban relations and their dependencies to foster smart and sustainable spatial developments in the urban-rural continuum.
8.1 Activities and deliverables

2019
Identify factors and delineate solutions for SMART rural development

2020
*Working paper*: Smart rural areas

2021
Dissemination and awareness raising

2022
*Workshop*: TBD
8.2 GIS tools for spatial planning (joint 3 & 8 WG)

Focus:

Available GIS tools for spatial planning, in particular participative processes, to encourage transparent, participatory, and inclusive decision-making.
8.2 Activities and deliverables

2019
Analysis of GIS tools and guidelines

2020
*Workshop*: Joint commission 3 / 8 meeting

2021
*FIG publication*: results analysis
GIS tools for spatial planning

2022
Awareness raising
8.3 Urban challenges (joint 7, 8, 9 WG)

Focus:

Urban resilience (social, economic, climate) to improve sustainability in view of rapid urbanisation.
8.3 Activities and deliverables

2019
Vertical villages and ecology of community
Incorporating socially-based tenure principles into residential development

2020
Develop audit tools for fiscal stress (municipality)
Develop land-based value capture tools for climate change
*Technical session: FIG WW Amsterdam*

2021
*Workshop: Joint commission 8 / Clean Air Finance meeting*

2022
*Working Paper: Assessment tool and guidelines*
8.4 Land policy instruments for spatial development

Focus:
Available policy instruments that support the implementation of spatial policies or spatial redistribution of land (resources, land use or rights) to foster sustainable spatial development.
8.4 Activities and deliverables

2019
*Workshop:* Joint LANDNET / commission 8 meeting

2020
*Technical session:* FIG WW Amsterdam  
*FIG publication:* Land consolidation

2021
*Workshop:* Joint LANDNET / commission 8 meeting

2022
*Working Paper:* Best practices of land policy tools
8.5 African Water Governance

Focus:

Resilience in urbanised areas in Africa from a water governance perspective and the role of surveyors.
8.5 Activities and deliverables

2019
Preparatory activities for 2020

2020
*Technical session:* FIG WW Amsterdam
*Working Paper:* Present alternative future scenario strategies for managing water resources

2021

2022
Comm 9 – Workplan - Key Goals

1. Work with all commissions to ensure valuation/appraisal contributes to their success by providing relevant evidential benchmarking
2. Ensure valuation/appraisal remains relevant through the 4th Industrial Revolution and is key to achievement of UN SDGs
3. Continue to work on defining ‘Social Value’ and informal assets
4. Natural and ecosystem value
5. Emphasis on land acquisition, compensation, sustainable taxation, land value capture and infrastructure/urbanisation – ILMS/LADM connection
6. Provide support for changing face of Valuation Education and collaboration with other bodies (IVSC, GLTN, UNFAO)
Work with all commissions to ensure Valuation contributes to their success by providing relevant evidential benchmarking

- Engage with all FIG Commissions to understand how valuation can:
- Assist in project identification
- Provide benchmarks for project monitoring and delivery
- Evidence outcomes
- Connectivity with Comms 7, 8, 9 (and 3!) – combined WW sessions and events? And a cross comm 7, 8, 9 WG.
Ensure valuation remains relevant through the 4th Industrial Revolution

• Provide thought leadership and practical tools for FIG members to understand the opportunities the 4th Industrial Revolution provides including:
  • SDGs (11)
  • Transparency
  • Blockchain/Machine Learning/AI
  • Predicted Values
  • Automated valuation/taxation models and geospatial information
  • Data management (LADM collaboration)
  • Public safeguards – Regulatory requirements
Continue to work on defining ‘Social Value’ and informal assets

- Focus on the pursuit of how to measure ‘Social Value’ and informal assets in existing and emerging market economies by engaging with:
  - UN, World Bank and other key agencies
  - Focus on behavioral economics
  - Expand work on valuation of un-registered land with GLTN & RICS – output practice guide/protocol (WG 1)
  - Providing insight into informal land and property markets
Ecosystems, Acquisition and Urbanisation

1. Natural and ecosystem value (WG 2 – with World Bank, IFC, RICS)

2. Emphasis on land acquisition, compensation, sustainable taxation, land value capture and infrastructure/urbanisation (review of FIG publications and support of standards such as LADM, ILMS, IVSC, VGGT tech guides)

3. Extractive industries (collaboration with ISM)

4. Development of specific SDG input (involvement in TF)
Provide support for changing face of Valuation Education

- Support the work of Universities and Colleges (and Comm 2) in providing educational tools including:
  - Podcast Series
  - MOOC
  - Signpost to best practice and standards
  - Guest lectures when Comm 9 members travel
Thanks from commissions 1, 2, 7, 8 and 9