FIG WORKING WEEK 2019
22–26 April, Hanoi, Vietnam

"Geospatial Information for a Smarter Life and Environmental Resilience"
Report from Commissions

Winnie SHIU
ACCO Representative (2019-2020)
Commission 1
Professional Standards and Practice
Chair: Winnie SHIU
WG1.1 International Ethical Standards

WG1.3 International Boundaries Making & Demarcation

- Review the Implementation of IES
- Work together with Task Force on SDGs, UNSDG 16 Peace and Justice
WG1.2 Women in Surveying

- Link up the Women in Surveying Networks

Work together with Task Force on SDGs
UNSDG 5 Gender Diversity
Commission 1 Annual Meeting

Planning a Workshop on IES along the Belt and Road Countries in China 2019
Commission 2
Professional Education
Chair: David Mitchell
Commission 2 - Effective professional education builds the knowledge needed to achieve the SDG targets:

- **New Strategic Alignment with UN-GGIM Academic Network** – on shared Research, Teaching, Training, and Learning activities.

- **Innovative learning and teaching**
  - *Working Group WG2.2* Innovative Learning and Teaching - presentations on the best examples in curriculum development, core competencies, teaching methods, and the use of technologies.

- **Understanding different student learning styles and strategies**
  - *Young Surveyors Network / WG2.3* Learning styles in surveying education – GLOBAL questionnaire to Young Surveyors & students.
Commission 2 and capacity building

- **Working Group 2.1 Developing Academic Networks (Dimo Todorovski).**
- WG2.1 and the FIG Capacity Development Networks, working together to support regional knowledge sharing
- By strengthening academic networks to share knowledge and experiences.
- Working with other Commissions and Organisations (FAO, GLTN, UN-GGIM).
- Bringing the best of FIG events and knowledge to regional networks!
Commission 2 activities

- **Commission 2 sessions:**
  - FAO/FIG Academic Forum on the VGGTs – continued this important partnership.
  - TS04B: Enhancing Surveying Academic Networks – high level of interest.
  - TS05B: Innovation in Surveying Pedagogy and Curriculum – really nice presentations on innovative teaching.
  - TS06B: Professional Development Experiences and Pathways – exploring the big issues facing our professionals.

- **Commission 2 meeting** – great discussion on our teaching experiences.
- **Commission 2 dinner** – great discussion on our teaching experiences.
- Lots of sessions and workshops planned for Amsterdam!
Commission 3
Spatial Information Management

Chair: Hartmut Mueller
Commission 3 Launching of FIG Publication no 73 on Crowdsourcing and VGI

- Chaired by Prof Abbas Rajabifard, Chair of UN-GGIM Academic Network
- Open discussion with authors
- Great interest of the audience in hardcopies signed by the authors
FIG COMMISSION 3 Annual Workshop
23 – 26 September, 2019

“Advances in Geodata Analytics for Smart Cities and Regions”

together with ”Life Sciences for Sustainable Development”
26 - 28 September, 2019, Cluj-Naboca, Romania

“Geodesy, Geomatics and Property Valuation”
Commission 3 Achievements and Opportunities

- Six dedicated Technical Sessions related to Commission 3, several Inspirational and Co-related Sessions, well attended, healthy discussions
- Stronger presence of Commission 3 in the Asia Pacific region, Australian chair of WG 3.1 Kevin McDougall, connection with Surveying & Spatial Science Professions, Australia
- UN-GGIM, identified cooperation in Commission 3 Terms of Reference with Prof Abbas Rajabifard, Chair of UN-GGIM Academic Network
- Cooperation and alignment with new FIG Task Force on achieving the UN SDG‘s
- Continued Annual Commission Workshops to bring together delegates, to gather information for future publication by FIG Congress 2022
Commission 4
Hydrography

Chair: Mohd Razali Mahmud
FIG Commission 4 (Hydrography)

• Existing collaboration with IHO/IFHS
FIG Commission 4 (Hydrography)

- Seminar on Maritime Surveying
  9 May 2020

FIG Working Week 2020, Amsterdam
FIG Commission 4 (Hydrography)

- Invitation to IHO Secretariat as Keynote Speaker
- Joint Technical Session with IHO/IFHS

FIG Working Week 2020, Amsterdam
FIG Commission 4 (Hydrography)

- FIG Commission 4 (& YSN) Annual Meeting and International Seminar, November 2019, Kuala Lumpur, Malaysia
Commission 5
Positioning and Measurement

Chair: Dan Roman
Sessions

• There were six core sessions
• All well attended – 40 plus in each
• Inspiring dialogue and questions all reinforcing the importance of positioning and measurement
• NavXperience Award presented for best peer reviewed paper in Commission 5
Collaboration is key to success

- IAG/IGS will implement models and tools of future positioning and measurement
  - Established liaison with IGS
  - IGS meets with future FIG WW
- UN-GGIM/UN-SCoG are defining how these will be implemented in Nations
- FIG must engage with them to understand what comes next
RFIP – Working Week 2019:
• 39 Attendees – 7 UN-OOSA Sponsorships – 8 Vietnamese Attendees
Commission 6
Engineering Surveys
Chair: Maria Joao Henriques
WG 6.3 – UAV in Surveying

UAV in construction sites, visual inspections and displacements monitoring

UAV for boundary detection
WG 6.3 – UAV in Surveying

Chair
Hans Ni

UAV in construction sites, visual inspections and displacements monitoring

UAV for boundary detection
3 Technical Sessions
1 Joint Technical Session
Commission 7
Cadastre and Land Management

Chair: Daniel Paez
Commission 7

- 10 sessions
- 4 co-hosted sessions with other commissions
- 3 special meetings
- 1 social dinner
- 1 site visit to Hanoi registration office
- Many information discussions
Special invitees of the Commission provided a positive and dynamic environment in Hanoi.
Work Plan and proposed implementation strategies

• Sustainable Development goals (SDGs) and the cadastre template
  – work cooperatively with UN, WorldBank and the other efforts
• Digital twin and smart 3D cadastre information:
  – build capacity among FIG members, continue collaboration with Commission 3
• Fit-for-purpose:
  – explain, discuss, consolidate
• Urban challenges
  – explore deeper the issues for low income population, keep cooperating with commission 8 and 9.
We are looking forward for our annual meeting in Korea and Amsterdam WW 2020.

- Korea Annual meeting
  - 5-9 August 2019
  - Planning well undergo
  - Significant interest to make it a regional meeting
  - Looking cooperation with regional associations

- Amsterdam 2020 WW
  - Planning a site visit to Kadaster
  - Flag the water topic of the conference to our members
  - Change the format of FFP sessions into more stakeholder discussions and consultation
  - Exploring the possibility of a SDGs land administration Declaration during the working week
Commission 8
Spatial Planning and Development

Chair: Marije Louwsma
Highlights of FIG WW Hanoi – commission 8

- Well attended sessions for example on **SMART cities** and **urban-rural continuum** (joint session of commissions 7/8/9)
- Fruitful discussion with input from Asian countries in special session with FAO about spatial planning and tenure (VGGT’s)
- Field visit to General Department of Land Administration (organised by commission 7)
- First results of Working Group **GIS tools for spatial planning** were presented at commission meeting
Upcoming events Commission 8

- Sustainable Development Goals: Land Governance for Equivalent Living and Working Conditions in Urban and Rural Areas; Qingzhou, China, 16-17 May 2019
- How can Land Management in Rural Areas can Contribute to Archive SDG´s Qingzhou, China, 20-21 May 2019
- Joint workshop with commission 3, Romanian surveying week, and Life Sciences for Sustainable Development conference Cluj-Napoca, Romania, 23-27 September 2019
- Joint workshop with LANDNET about rural development and land mobility Galicia, Spain, November 2019
Cooperating with

- **LANDNET**
  a network about rural development and land consolidation with a geographical focus on Europa and Central Asia
- **Food and Agriculture Organisation (FAO)**
  focus on food security, spatial planning and land policy tools
- Various universities in commissions’ working groups
- **Global Land Tool Network (GLTN)**
Commission 9
Valuation and
the Management of Real Estate

Chair:
Ben Elder (represented by Steven Nystrom)
Commission 9 – Valuation & Management Of Real Estate

- Planning stage for Events & Continued Cooperation:
  - Joint FIG Comm 9 / IAAO Conference Copenhagen 2020
  - Cooperation with UNGLTN, UNECE WPLA, & the World Bank
- Strong interest in new WG’s such as Mass Valuation, Country Level RE Market Engagement, & Land Value Capture
- Working Groups
  - Working group 9.1 Urban Challenges (joint Working Group with commission 7 and 8)
  - Working group 9.2 Valuation of Informal land & property
  - Working group 9.3 Ensure valuation/appraisal remains relevant through the 4th Industrial Revolution and is key to achievement of UN SDGs
Commission 9 – Valuation & Management of Real Estate

- Cooperation with & completion of the GLTN / FIG / UNHABITAT “Valuation of Unregistered Land a Policy Guide” & further expansion of the work to a manual is currently planned and will shortly commence.

- Nearing completion of the UNECE WPLA / FIG “Guidelines for the Formalization of Informal Constructions in the Europe” book.

- This publication is in the final stages before release to our partners for comments, editing, graphics & production.
Commission 9 – Valuation & Management of Real Estate

New Commission 9
Ride Sharing Program & App. in Hanoi !! (not really)

- Continued engagement with the challenges & and unique strengths of our member associations makes us strong and keeps us relevant!
Commission 10
Construction Economics and Management

Chair: Alan Muse
Highlights of FIG WW Hanoi – Commission 10

• Well attended sessions, for example, on Digital Construction where there was a good debate on the papers presented

• Particularly good liaison with quantity surveying representatives from African member associations including Nigeria and Ghana

• Identified SDG’s relevant to commission 10 and held an engaging discussion on the planned workstreams
Upcoming events commission 10

- Planned meeting in London in November 2019 to discuss emerging workstreams
Cooperating with

- International Cost Engineering Council
- Pacific Association of Quantity Surveyors
- Council of Construction Economists in Europe
- African Association of Quantity Surveyors
- World Bank
- United Nations
WORKING WEEK 2020
10–14 MAY

Smart surveyors for land and water management
End of Report from Commissions

Thank you for your attention