



XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

*Volunteering
for the future –
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INTERNATIONAL FEDERATION OF SURVEYORS FIG 45th GENERAL ASSEMBLY, Thursday 15 September, Warsaw, Poland Agenda items 32/33 Report Commissions and Networks

Hartmut Müller, Germany
ACCO representative to the Council 2021/2022

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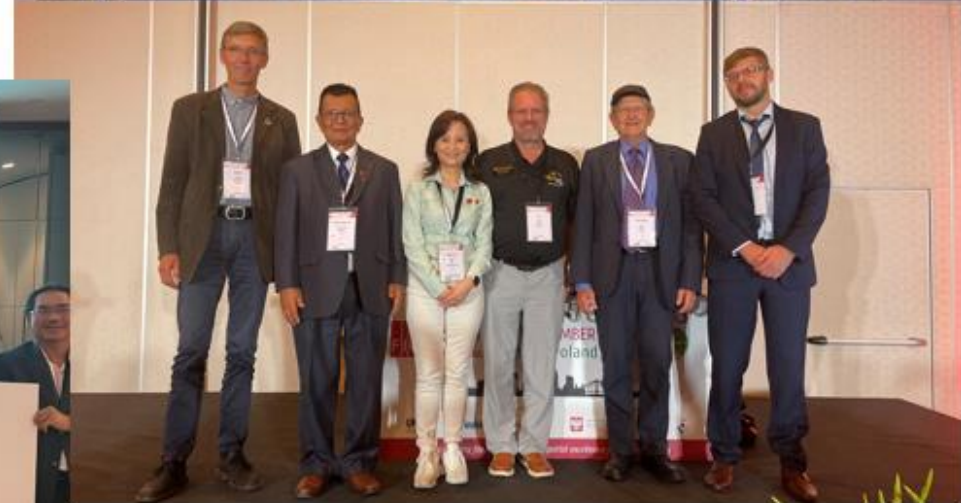


Outcome of Commission 1 Technical Session:

- Good practice of maintaining international boundaries to promote peace and to achieve the United Nations Sustainable Development Goal No. 16 on Peace, Justice and Strong Institutions.
- Awareness of the transformation of the roles and surveying practices of surveyors, and the need for advocacy of promoting the surveying profession.

Annual Commission Meeting

- Continue the work of the existing 3 Working Groups
- Look for new chair Women in Surveying and International Ethical Standards
- Discussed the Way Forward for the 2023-2026 Work Plan



Commission 1 Technical Session

2022 FIG Commission 2 publication

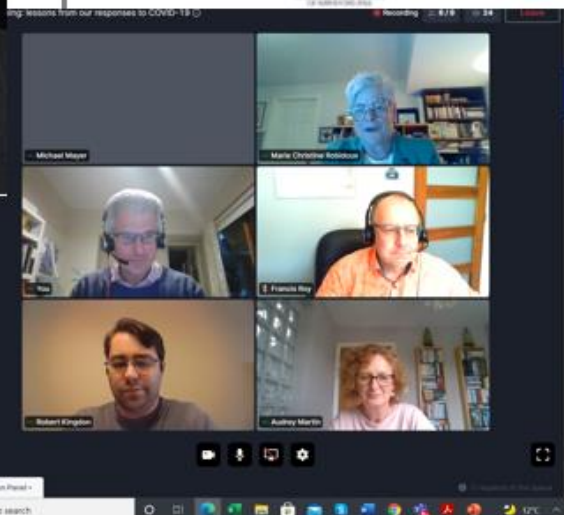
- Building on FIG Publication #46 (2010) *Enhancing Surveying Education through e-Learning*.
- Commission 2 final publication “**Blended Learning for Surveying Education**” to be published late 2022.
- Developed based on:
 - Commission 2 Workshops on the pandemic response, innovation in education, and blended learning.
 - Questionnaire on student learning and studying preferences
 - Based on FIG Working Week Sessions and papers across the WG’s.
- Good practices in Blended Learning.
- Case studies.
- Edited by Liza Groenendijk (Chair 2015-2018), David Mitchell (2019-2022), Dimo Todorovski (Chair elect 2023-2026).



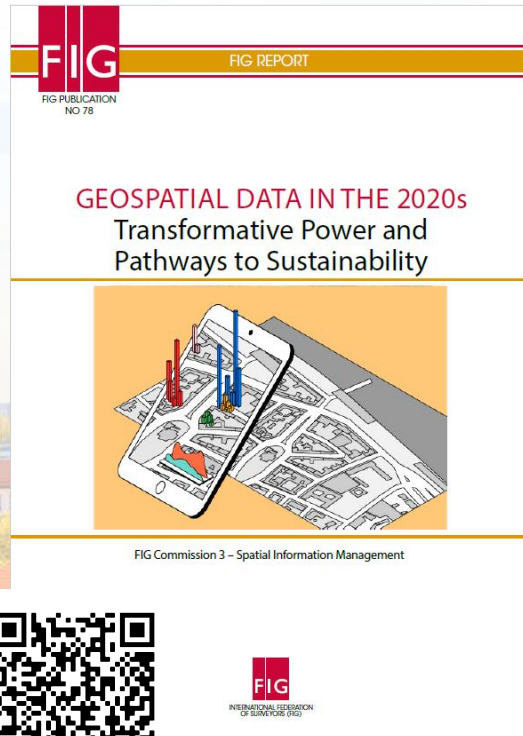
Enhancing Surveying Education through e-Learning



A publication of FIG Commission 2 – Professional Education



Commission 3 Special Session FIG Publication no 78 launched



Special Session Tue 13 Sep FIG Publication no 78 launched

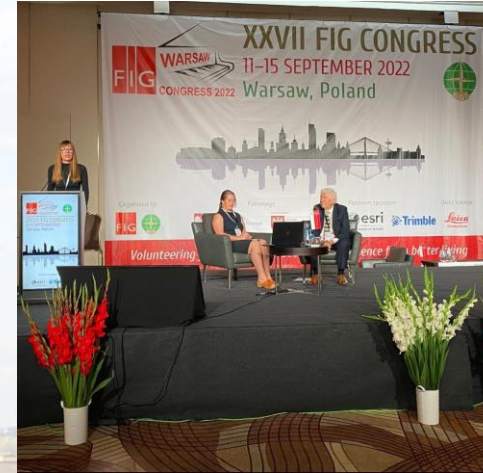
- 16 Authors, 4 Editors from**
- ✓ Commissions 3 and 8
 - ✓ Young Surveyors Network



Working Group - Joint Commission 3 and 8
GIS Tools for Spatial Planning



Working Group - Joint Commission 3 and Young
Surveyors Network
Geospatial Next



Keynote Session 5

Mapping the Plastic, a joint Commission 4 and Young Surveyors Network undertaking, is FIG's response to the overwhelming plastics problem. The objective is to enable the accurate mapping of plastic waste within waterways and provide regulators with reliable spatial information with which to identify unsustainable waste disposal practices, infrastructure shortcomings and inform robust land use controls with the goal of eradicating the dumping plastic waste into rivers. Two presentations were delivered in the Keynote Session and one presentation in the Technical Session of Commission 4 related to Mapping the Plastic.



Technical Session TS04A



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Commission 5: A focus on Education, Training and Capacity Building



© Kowalczyk Michał

Reference Frames in Practise Seminar with IGS training on Bernese and GipsyX

32 participants w/ 5 supported by UNOOSA/ICG



Broadcast Session on UN – Education, Training, and Capacity Building including a presentation from Fiji

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C6 Engineering Surveys Congress 2022 outcomes

2 workshops

- mining surveying & uncertainty and
- quality of multi sensor workshop

5 technical sessions



Commission 7

1. Land administration systems survived and often thrived during the **Covid19** pandemic
2. **Digital transformation** of land administration systems continues to accelerate (e.g. 3D)
3. A recurring major challenge for many land administration agencies is **data quality**
4. Tackling the **cadastral divide**, specifically for women and vulnerable groups, remains a focus
5. Many tools available to support responses (**FFPLA, FELA, LADM, STDM**), **implementation** needed



FIG Annual Meeting 2022
26-29 October
Sevilla - Spain
Colegio Oficial de
Ingeniería Geomática y Topográfica



COIGT

Wednesday 26 Oct:
• Comm 7 meeting, country reports (2pm – 8pm)
• Welcome drinks (8pm – 11 pm)
Thursday 27 Oct:
• Technical program TopCart (9am – 7pm)
• Cultural event – flamenco night (11 pm)
Friday 28 Oct:
• Technical program TopCart (9am – 2pm)
• Technical visit riverside Sevilla (4 pm)
Saturday 29 Oct:
• Technical visit 8 wonders of Sevilla (4pm – 7pm)
Registration for FIG delegates: €120 Euros

<https://coigt.idloom.events/topcart2022/register>



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Commission 8 – Spatial Planning and Development

Marije Louwsma



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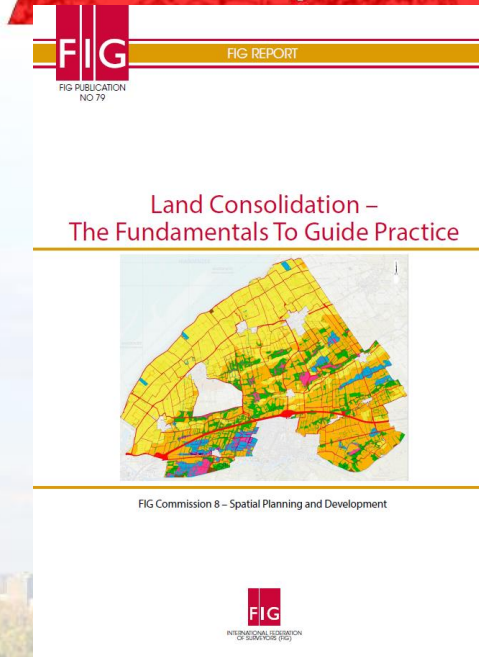
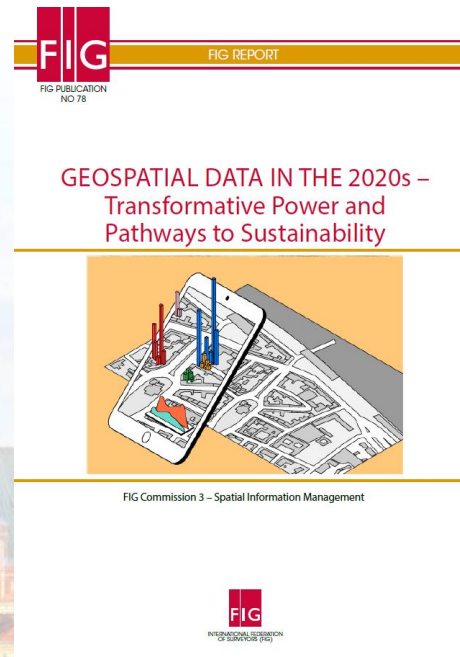
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Focus on 3 key themes

- Land policy instruments and land consolidation
- Urban – rural linkages
- Geospatial information in land use planning and management

Well attended sessions, annual meeting, commission dinner, and launch of 2 FIG reports



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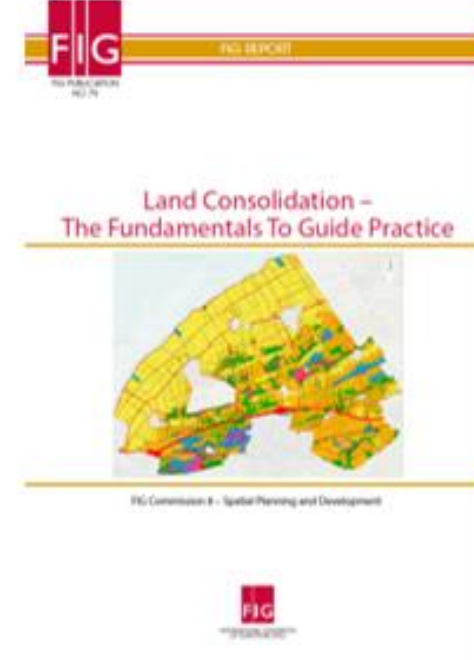
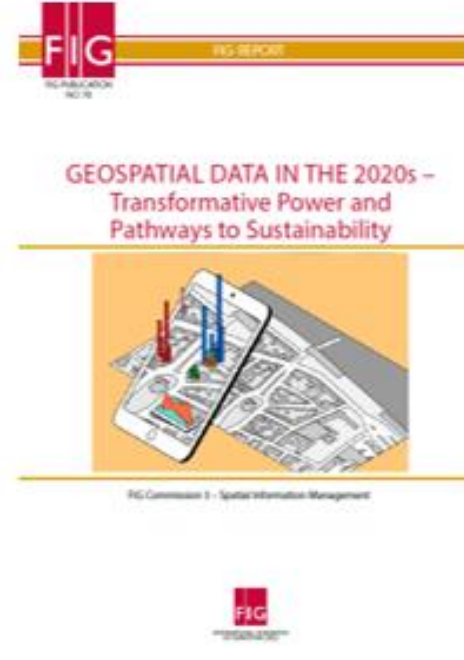
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Commission 9: Valuation and the Management of Real Estate

The activities of Com. 9 (which were already running under the roof of the main topic for the next period)

Improving the Transparency on Real Estate Markets

What did Com. 9 do?

- **Running 4 Sessions** which included aims of nextcomming period of incomming chair of Com 9 - Peter Ache
 - Real estate markets definition and aproaches of transparency
 - Spatial planning and affordability of house space (joined with Com. 8)
 - Real Estate Data goes Geodata (joined with Com. 3)
 - Real estate markets – law and standards for valuation and market transparency
 - Manual for valuation of unregistered Land
- **First Drafts of plans and decisions for the work the period 2023 to 2026**

Setting up 3 working groups:

 1. Defining of the term "Transparency on Real Estate Markets"
 2. Best practice of transparent countries
 3. Automatic Valuation modelling for valuation of Estate Markets

beside:
Intensive and wonderful discussions with nice
colleagues – not only on technical topics



Com. 10 “Construction Economics and Management ”

2022:

- 25 happy attendees at preworkshop “BIM for surveyors classroom”
- One technical session on construction management

2023:

- Planned technical sessions for FIG WW 2023 Orlando:
 - Didactics for teaching BIM to surveyors
 - From Point-Cloud to BIM-Model
 - Georeferencing BIM





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Regional Capacity Development Network

Africa Regional Network

A successful pilot FIG Mentoring Programme was rolled out for the African Continent. In 2023 we will purchase software, upscale, and package the programme to be shared with other world regions



Jennifer WHITTAL, South Africa



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Standards Network General Assembly Part 3 Report Key Points and Issues

- Throughout the working week the importance of standards was repeatedly evoked.
- This was particularly true in the Standards Network meeting/session where a broad range of topics ranging from ISO TC211 Geographic Information and Geomatics and ISO TC176 SC2 Survey Instrument Standards, to the Land Administration Domain Model, International Property Measurements Standards, Blockchain and International Land Measurement Standards were discussed.
- A point of particular relevance going forward will be standards related to new and future trends in surveying ranging from drone surveys and their equipment payload, to artificial intelligence and big data.
- There is a clear need for reflection on how we as surveyors can assure there is an agreed way of using these tools and techniques to provide safe, accurate and guaranteed results.



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FIG Young Surveyors Network

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- 7th FIG Young Surveyors Conference – First time attendance for over 30 young surveyors.
- The VCSP Debate – A debate format to seek views on how to upscale the programme.
- The Mars Tenure Session – Conceptualised a young surveyors' competition among young surveyors to challenge young surveyors to use their land administration knowledge to develop solutions to a simulated land tenure problem.
- Pilot Mentoring Programme Session – The results of the pilot mentoring programme showed a success. This sessions brought together minds on how to further upscale it.

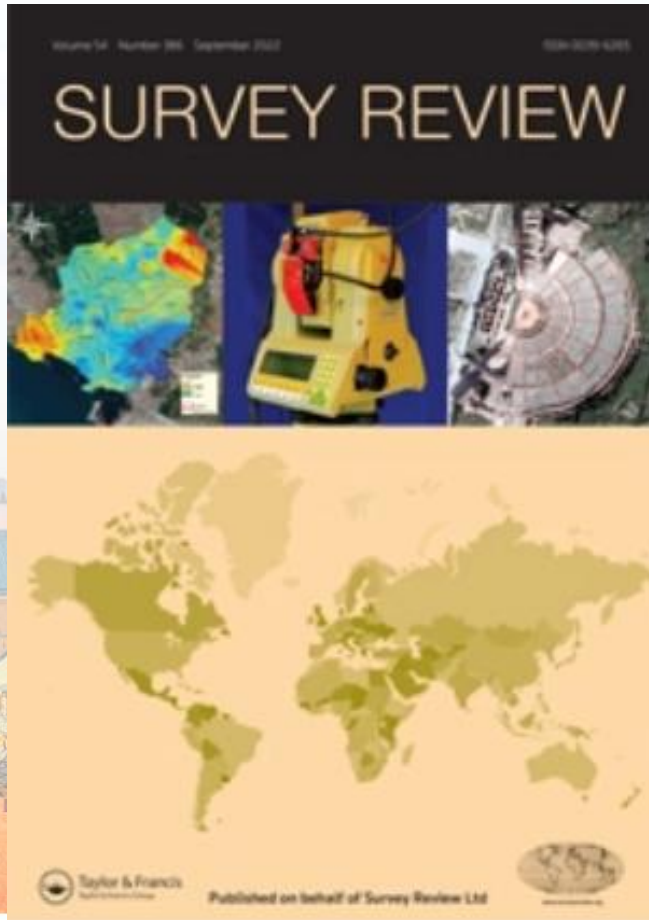




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SURVEY REVIEW

Biennial Prize 2022 Certificate

The Survey Review Biennial Prize 2022
is awarded to Adamu Bala for a paper entitled:

*Mapping and Suitability Analysis of Existing Electoral
Polling Units in Katsina Local Government Area of
Katsina State, Nigeria*

This paper was presented at the FIG Congress 2022
Warsaw

Congratulations to Adamu and his co-authors Saied
Pirasteh, Yahaya Abbas Aliyu, AbdulAzeez Onotu
Aliyu, Swafiyudeen Bawa and Ibrahim Abdulwahab

Saied Greenway
Chair of the Editorial Board

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Commission 5: navXperience Award

Dirk Kowalewski presents the navXperience award to the authors of the winning peer-reviewed paper:

Ola Øvstedal, Johan Tobias Arnell, Isak Foss Ingebrigtsen, Simen Walbækken Tangen and Bjørn-Eirik Roald (Norway):
A Comparison of Survey-Grade GNSS Receivers by Means of Observation and Coordinate Domain Approaches; Traditional Vs Low-Budget (11320)

The left image shows the awardees in the middle with Dirk and some Commission 5 Members.



The right image shows the three students making the presentation.





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Thank you

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