

International Federation of Surveyors (FIG)

FIG COMMISSION 4

FIG CONGRESS 2022

Warsaw, Poland

11-15 September 2022

1.0 INTRODUCTION

FIG Congress 2022 was held in Warsaw, Poland from 11-15 September 2022. The theme of the event is “Volunteering for the Future – Geospatial Excellence for a Better Living”. Although the event was held physically, some online platforms were also held for online delegates. There are altogether three sessions of General Assembly held with the first one held online on 4 September 2022. Each Commission Chair presented their achievement in the last four years of holding the chair.



Figure 1: Presentation at the FIG General Assembly (Session 1) on 4 September 2022 via online

The following are the slides presented during the online General Assembly:

XXVII FIG CONGRESS
11-15 SEPTEMBER 2022
Warsaw, Poland

FIG Commission 4 (Hydrography) : 2019-2022

Volunteering for the future - Geospatial excellence for a better living

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

Chair
WG 4.1
WG 4.2
WG 4.3
WG 4.4

January 2019 – February 2021 February 2021 - present

FIG CONGRESS 2022 | FIG | Esri | Trimble

Figure 2a: Slide presentation 1

XXVII FIG CONGRESS
11-15 SEPTEMBER 2022 Warsaw, Poland

Volunteering for the future - Geospatial excellence for a better living

GENERAL

Annual Meeting 23 June 2020

Seminar on Hydrography

KL GeoHydro 7-8 December 2020

Annual Meeting 18 November 2019

KL GeoHydro 18-19 November 2019

Keynote paper from WG 4.4 chair at International Virtual Course: Land and Marine Administration Toward Better Disaster Risk Management organised by Bandung Institute of Technology, Indonesia on 1 August 2022.

KL GeoHydro 2023 meeting with PEJUTA, Associate Member of FIG (to be held on 28 February - 1 March 2023)

UTM, Academic Member of FIG with the Department of Survey and Mapping Malaysia

Keynote presentation from Commission 4 chair

Omar, A.H. (2020). Marine Administration: Role of Hydrographer on Multi-Criteria Marine Spatial Risk Assessment. Presented at the KL GeoHydro 2020, Johor Bahru, 7-8 December 2020.
 Mahmud, M.R. (2020). Realisation of the Challenges in Fulfilling the Hydrographic Prospects due to Covid-19. Presented at the KL GeoHydro 2020, Johor Bahru, 7-8 December 2020.
 Hewitt, N. (2019). Hydrographic Surveyors Certification. Presented at the KL GeoHydro 2019, Kuala Lumpur, 18-19 November 2019.
 Ironside, S. (2019). Mapping the Plastic - A Surveyor's Response. Presented at the KL GeoHydro 2019, Kuala Lumpur, 18-19 November 2019.
 Johnston, G. (2019). Blue Growth, Developing the Blue Economy and the Surveyors' Contribution. Presented at the KL GeoHydro 2019, Kuala Lumpur, 18-19 November 2019.
 Mahmud, M.R. (2019). Empowering Marine Knowledge through Hydrographic Professional Programmes at Universiti Teknologi Malaysia. Presented at the KL GeoHydro 2019, Kuala Lumpur, 18-19 November 2019.
 Omar, A.H. (2019). Roles of Marine Cadastre for Nation Development: Potential, Requirement and Challenges. Presented at the KL GeoHydro 2019, Kuala Lumpur, 18-19 November 2019.
 Mahmud, M. R., Hewitt, N., Johnston, G., Ironside, S. and Omar, A. H., (2019). FIG Commission 4 Work Plan (2019-2022), International Federation of Surveyors.

FIG CONGRESS 2022 | FIG | Esri | Trimble

Figure 2b: Slide presentation 2

WORKING GROUPS

IBSC – Mr. Gordon Johnston, Mr. Adam Greenland, Mr. Sobri Syawie & Professor Dr. Harald Sternberg.



Review of IHO S-44.

Atlantic Mapping Roadmap or vision statement.



Commission 4 SME's on the Marine Geospatial.

Established close relationships with the Faculty of Technical Science at the University of Novi Sad, Serbia and the Faculty of Architecture, Civil Engineering and Geodesy at the University of Banja Luka, Bosnia and Herzegovina.



Joint Commission 4 and Young Surveyors.

Relationships with GreenHub, a dynamic environmental Vietnamese NGO, and Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO) were formed at the 2019 FIG Working Week in Hanoi.

WG 4.4 has presented a paper at the regional Surveyors Congress 2022 in Sarawak, Malaysia on 22 March 2022 on Cadastre Modernization in 21st Century. This paper highlighted the new vision, modern cadastre and the way forward.



Pre-collaboration between ASEAN educational institution (Malaysia and Indonesia) and non-government organisation such as World Wide Fund for Nature (WWF) on marine administration and marine space management is a promising opportunity towards the development and implementation of marine cadastre and marine administration framework to all other members in FIG.

Figure 2c: Slide presentation 3

2.0 ACCO MEETING - 10 September 2022

Meeting of FIG Advisory Committee of Commission Officers (ACCO) at DoubleTree by Hilton Hotel and Conference Centre, Warsaw, Poland took place on 10 September 2022. The meeting was held from 9.00 am until 6.00 pm and attended by most Commission Chairs and Incoming Chairs. The meeting was chaired by FIG Vice President, Mr. Mikael Lilje and attended also by the FIG President, Professor Dr. Rudolf Staiger and, FIG Director and Co-Congress Director, Ms. Louise Friis-Hansen. The current Commission Chairs shared their experience in the last four years with the incoming Chairs.



Figure 3: ACCO meeting on 10 September 2022

3.0 FIG GENERAL ASSEMBLY (SESSION 2) - 11 September 2022

The General Assembly (Session 2) was held at the Ballroom “Trimble” on 11 September 2022 at 1.00 pm and the Opening Ceremony of FIG Congress 2022 was officiated at 4.30 pm.



Figure 4: FIG General Assembly (Session 2) on 11 September 2022



Figure 5: Group photographs of the current Commission Chairs after the FIG General Assembly (Session 2) on 11 September 2022

4.0 FIG COMMISSION 4 TECHNICAL SESSION - 12 September 2022

FIG Commission 4 Technical Session with the title “Multi-Disciplinary Applications of Hydrography” (TS01D) was held at Willow, 11.30-13.00. There are altogether four presentations in this session. However only two presenters turned up. Figure 6 shows the delegates attending the session.



Figure 6: FIG Commission 4 Technical Session TS01D on 12 September 2022

5.0 FIG COMMISSION 4 SPECIAL TECHNICAL SESSION - 13 September 2022

FIG Commission 4 Special Technical Session with the title “Maritime Zones and Charting Applications” (TS04A) was held at Ballroom “Esri”, 9.00-11.00. There are altogether three presentations in this session. Figure 7 shows Captain Leonel Manteigas (IHO) presenting in this session.



Figure 7: FIG Commission 4 Special Technical Session TS04A on 13 September 2022

6.0 FIG COMMISSION 4 KEYNOTE SESSION 5 - 14 September 2022

FIG Commission 4 Keynote Session 5 with the title “Mapping the Plastic” was held at Ballroom “Trimble”, 9.00-10.00. There are two presentations in this special session.



Figure 8: FIG Commission 4 Keynote Session 5 on 13 September 2022

7.0 FIG COMMISSION 4 MEETING - 14 September 2022

Commission 4 Annual Meeting was held on 14 September 2022 at 1.20 pm to 2.20 pm. Figure 9 shows the group photograph of the delegates after the meeting.



Figure 9: Group photograph of Commission 4 after the annual meeting

8.0 JOINT DINNER OF COMMISSIONS 4, 5 AND 6 – 14 December 2022

Joint dinner of Commissions 4, 5 and 6 was held on 14 December 2022 at the Restaurant Siwy Dym located in Pulawska, Warsaw. This event was a good opportunity for the various delegates to meet and establish a networking between them.



Figure 10: Among the attendees in the joint dinner of Commissions 4, 5 and 6

9.0 FIG GENERAL ASSEMBLY (SESSION 3) - 15 September 2022

The FIG General Assembly (Session 3) was held on 15 September 2022 at Ballroom “Trimble”. The figures below show the photographs surrounding the event.



Figure 11: Slide presentation from Commission 4 for the General Assembly (Session 3)



Figure 12: The current Commission 4 Chair receiving the Certificate of Appreciation from the FIG Vice President, Dr. Diane Dumashie



Figure 13: Group photograph of the current Commission Chairs after receiving the Certificate of Appreciation

Conclusions

FIG Congress 2022 was held successfully in Warsaw, Poland. It has been a good Congress considering the challenges faced by the organisers in putting together the whole event. Next year, the FIG Working Week 2023 will be held in Orlando, USA from 28 May to 1 June 2023.

Acknowledgement

My sincere gratitude and appreciation to all the Working Group Chairs of Commission 4 for the support and cooperation during the last four years. Their unreserved support provided to Commission 4 is acknowledged and much appreciated. My special thanks also go to the FIG Council and FIG Office for the support and financial aids allocated to Commission 4. My very best wishes to the incoming Chair of Commission 4, Dr. M.D.E.K. Gunathilaka.

Looking forward to the FIG Working Week 2023 in Orlando, Florida, USA. See you all there.

Dr. Mohd Razali Mahmud

Chair FIG Commission 4 (2019-2022)

3 October 2022