However the property market works well. Parliament, authorities and citizen are still challenged by an incomplete cadastral system. Getting a new law on land administration and professional regulations adopted by Norway, Sweden, Finland and Denmark. While Norway has been struggling for years with this challenge, in the meantime building a digital twin to reality. The twins are quickly coming closer and easier to use, but there is still an urgent need to more fully integrate the information into wider information infrastructures to support better decision making on land.

Security of land tenure for all kind of tenure and for all groups of citizen and associated improvements in land governance, land management and land administration are fundamental for social balance and prosperity all over the world. Surveyors are in the middle of this challenge. There is a need to redefine the role of the surveyor and to rethink training and skills and make the profession more attractive to a new generation. The current technical language is inappropriate for decision and policy makers. International professional associations who provide excellent professional training and skills and make the profession more attractive to all participating groups. How to adjust procedures in times of digitization and web-based services and about the role and involvement of society and citizen in particular as equal partners in future land administration systems.

The top 5 take-aways of the International Seminar as have been discussed:

1. A capacity crisis is emerging across the profession which requires rethinking how the profession is promoted in public and how to attract and retain millennials.
2. The professionals need to be more effective at explaining and promoting the role of the profession and the added value provided to society.
3. There is an urgent need to more fully integrate the information into wider information infrastructures to support better decision making on land.
4. Mature and complete land administration solutions are not the end game – solutions need continuous review and improvement to ensure they meet the increasingly challenging needs of the end users.
5. FFP land administration is the scalable solution for reducing insecurity of tenure worldwide.

The international seminar was concluded with a guided city walk by Professor Geir Atle Ersland, to UNESCO Heritage Site Bryggen with all kind of challenges in property borders with their 3-dimensional building overlaps based on historic style of construction in a medieval town. Local food dinner took place in an old restored farm house in Sagen, overlooking the city of Bergen.
The presentations of the International Seminar can be obtained from the event's website at http://com7.fig.wixsite.com/fig-commission7-2018/programme-fqs-com7-am-2018.

**Commission 7 Annual Meeting 2018**

The agenda of the Annual Meeting addressed in 5 sessions each a topic related to Commission 7 and with different settings.

In the 1st session new dimensions on cadastre were shared: 3D crowdsourcing and outcome from research on this by Prof. Charalampos Ioannidis (GR), the multi-dimension cadastre case from Switzerland by Daniel Steudler (CH) and the developments on open data in Turkey by FIG Vice-President Orhan Ercan (TR).

In the second part of this session high level experts exchanged positions in a panel-discussion moderated by Commission 7 Chair Gerda Schennach on how to bridge the gap between cadastre and geo-information, between public authority data and community created data and how to integrate data with different content and information density as available from free services and sources.

In the 2nd session participants were informed in more detail about UN-GGIM, the Expert Group on Land Administration and Management, the Academic Forum and the SDGs. Developments that influence national policies related to land management and land administration were presented as well.

At the end of the session the Cadastral Template 2.0 was addressed by Daniel Steudler and different options for updating and integrating the service into the UN-GGIM workflow in the future were discussed.

In the 3rd session the focus was shifted to the role of the private sector. CLGE President Maurice Barbieri and CLGE Executive Director Jean-Yves Pirlot presented on EU Regulations and the future of the profession of surveyors. A vital discussion made clear that initiatives to be taken to strengthen the position and cooperation and to improve qualification and CPD are urgent.

All participants were invited to attend the gala dinner at Cornelius, one of Norway's best seafood restaurants. It is situated right by the sea on a small island with spectacular views of the fjord and mountains.

The second day of the Annual Meeting started with a presentation about a study on efficient cadastral survey methods after natural disasters in South Korea. Leading professionals of the public authority of South Korea (LX) elaborated on this interesting topic, which will stay on the Work plan of the next term of Commission 7.

A joint presentation of the incoming Chairs of FIG Commission 7 Daniel Paez (COL) and Commission 8 Marije Louwsma (NL) and by the UK Delegate and RICS Director James Kavanagh for Commission 9 introduced the cross commission topics and how these would like to be addressed jointly in the coming term from 2019 – 2022.

After this session an intensive interactive discussion, using slido to gather input and statements from the participants, elaborated on a more focussed approach and options to implement the Work plan.

A facilitated open discussion chaired by Paula Dijkstra (NL) on the question if presently practiced models are fit-for-people evaluated the situation and summarised to a reality check about FFP solutions and showed some interesting perspectives on how the visions need to be adjusted to citizen needs.

The 4th and last session of the Annual Meeting focused on the future of Commission 7. Daniel Paez, incoming Chair for Commission 7, shared his vision and ambition for the Commission and asked input of all the participants. The participants discussed in three groups about the relevance of Commission 7 and what topics and settings were of most benefit for the delegates. This resulted in an overview of topics. Each of the delegates had the opportunity to score the topics to indicate the priority. Daniel Paez and Paula Dijkstra (Vice-Chair of Commission 7) will share this with the delegates that could not participate and will include the results in the work plan for the next term.

Announcements for FIG events in 2019, particularly the Annual Meeting 2019 which will be hosted by the South Korean authority LX in the Republic of South Korea in autumn 2019, highlighted incoming activities in the near future.

At the end of the Annual Meeting there was a ceremony of handing over from the outgoing Chair of Commission 7 Gerda Schennach (AT) to the incoming Chair Daniel Páez (COL). A review on the four-years term and thanks to the outgoing chair as well best wishes for the future concluded the ceremony.

In the evening the Commission 7 dinner took place in a traditional restaurant in Bryggen, the old town of Bergen.


**Technical Tour through a UNESCO protected area with a focus on the regulations and the compensation of land rights**

The final technical tour took the group by train from Bergen to Voss, followed by a scenic drive by bus to Gudvangen and then through Norway’s most breath-taking UNESCO-protected fjord and mountain scenery. The tour finished with a trip on Europe’s top scenic rail journeys, Flåmsbanen to Myrdal station.

The guided tour gave an excellent impression on challenges of land management in protected areas, on impacts of being a UNESCO protected area on the environment, on local communities and on the restrictions of land use by local land owners from different regulations which apply for these specific regions.

A very special thank-you is given to Dr. Leiv Bjarte Mjøs, FIG Commission 7 Delegate and Head of the organising committee and his team and to Dr. Arve Leiknes, President of TEKNA Samfunnsutviklerne, Norway as well to the sponsors for making this memorable event such a success.

*Paula Dijkstra and Gerda Schennach*

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