FIG 2019-2022

Volunteering for the Future

by

Rudolf Staiger
FIG-President
Content

1. Introduction – changes over the last 30 years
2. Vision and Motto 2019 - 2022
3. The major targets for the next 4 years
4. Our contribution to the SDGs
1994

IBM “SIMON” 1st smartphone
We are available everywhere at any time

...
Our Society 2019

- Increased mobility
- Globalized world
- CONNECTED and ONLINE always and everywhere!!
FIG - International Federation of Surveyors - what is “surveying”

Commission Structure of FIG

3 - Spatial Information Management
4 - Hydrography
5 - Positioning + Measurement
6 - Engineering Surveys
7 - Cadaster + Land Management
8 - Spatial Planning + Development
9 - Valuation + the Management of Real Estate
10 - Construction Economics and Management
Changes in our profession

- A lot of technical progress ...
- Big data ...

a Challenge!

Keywords:
- networks
- cloud solutions
- software
- Computer
- AI
- Instrumentation
Big Data

2,500 000 000 000 000 000 000 000

Bytes produced per day

2.5 quintillion bytes

During the last 2 years mankind generated more information than in the entire history before

Source: BSI - British Institute of Standards

Big Data = large and complex data which cannot be compiled using traditional analysis techniques
Mapping yesterday

- Secret or limited access
- Only paper-version
- Expensive
- Out-of-date

Furthermore our profession has changed!!

Example: mapping

Source: K. Brunner, UniBw Munich

Topographic map from GDR (former East-Germany)
Mapping today

- Public good!
- Digital product!
- Free of charge
- Up-to-date!
- High quality!
- Nearly no blind spots
Changes in FIG
Over the last 30 years:
- FIG became really **global**!
- Better **performance** -> permanent Office in DK
- More **democratic**: -> personal voting system
FIG 2019 - 2022

**Vision**

Surveying is a modern profession acting worldwide for a better infrastructure for our society and planet earth.

FIG wants to keep, and even improve, its role as the premier non-governmental organisation, that represents the interests of surveyors worldwide.

**Motto**

Volunteering for the Future!
How to volunteer?

- To **promote** FIG in our personal professional environment
- To **participate** in FIG Working Weeks and Congresses
- To **encourage** and **motivate** others to participate in future FIG events and activities.
- To **contribute** actively to our events by giving presentations, writing publications
- To **participate** actively in the work of our Commissions, Working Groups, Networks, and Task Forces.
- To **assume responsibility** as the Officer of a Commission, Network or Task Force.
- To **support** the next generation of FIG members
The Motto of my presidency

Volunteering for the Future

... of our Federation

is at the same time beneficial for our ...

Profession

Society

Planet
Council identified 2 major targets ---- 2019-2022

Making “Fit - for the future”

Promoting the relevance of our profession together with our partners!
TF on Governance  succeeding the TF on Commission Structure

YSN  better integrated into FIG  Don’t miss the plenary on Thursday!

FIG 2028  Develop long-term-strategy!!

Commissions + Networks  Stronger!

FIG-Foundation  Period of transition for the next 2 years!
Action plan – Target 2  TF on Sustainable Development Goals (SDGs)

17 Goals 169 targets 230 indicators

Declared in 2015 .... Should be achieved by 2030
TF on SDGs

led by Paula Dijkstra (Netherlands)

Identify the Goals where our profession has potentially the biggest impact

coordinate the activities inside FIG

Special Session
Thursday, 25 April, 11:00–12:30
"ESRI ROOM"
Land administration as contribution to the SDGs

Only 30% of the land worldwide is registered!


Land registration is contributing to ...

➢ Social and civil security
➢ Peace
➢ Economic benefits (loan, ...)
➢ Less conflicts due to land

FIG-Publication 60, 2014

Stig Enemark
Keith Clifford Bell
Christiaan Lemmen
Robin McLaren

Fit-For-Purpose Land Administration

JOINT FIG / WORLD BANK PUBLICATION
Land administration as contribution to the SDGs

Land registration

Ambitious target until 2030

... increase of + 30%

ok, .... Is there enough time / money for the implementation of a classical cadastre??

NO

FFP is an interesting general approach, which needs to be adapted to each single case!!

In order to find exactly out what FFP is standing for and what not ...

Wednesday, 24 April, 14:00–15:30 "Make Your Mark. Room“ chaired by Daniel STEUDLER
Our role in „FFP-approach“?

**YES**, classical cadastre is too expensive and not fast enough

**Faster solutions** adapted to the specific needs

For example: based on the FFP-Approach (Enemark et al. 2014)

**But** this does not mean that the realisation is always easy and without problems!!

**Expectations** are sometimes too high!!

*Time +++ costs +++ maintenance +++ updates***

!! also **reservations** regarding FFP in our own community !!
Our lessons to be learned here!  **FFP = Fit for Purpose**

**FFP** does not replace classical cadastre  ... it is rather an extension !!!

**FFP** is not a ready-to use-solution!

**FFP** we need best-practice examples and textbooks!!

**Rumours**

.... Surveyors who do not act ethically correct
.... Lawyers who do not act ethically correct
.... Notaries who do not .....
Our role in „FFP-approach“?

IF we “the surveying + geospatial”-community are not participating .... it will happen without us!

Role of FIG

- Offering a platform for stakeholders
- Being a link between stakeholders
- Building the capacity for new adapted approaches !!
Thank you very much for your attention