



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

"Geospatial Information for a Smarter Life and Environmental Resilience"

*Presented at the FIG Working Week 2019,
April 22-26, 2019 in Hanoi, Vietnam*



Danish Surveyors 250 Years in the Service of Society

To be a Profession – That ´ s the Answer

(Paper no 10085)



1. 250 Years in the Service of Society
2. Call for Land Professionals
3. To Be a Profession
4. Case Study – The Danish Surveying Profession
5. Final Remarks



Prelude

*“It calls for land professionals
to secure
land and property rights
for all*

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**250 Years
in
the Service
of
Society**



Danish Land Professionals – securing land and property rights for 250 Years

- In 1768 the first two Danish Surveyors were given license to conduct property surveys – due to diligence and accuracy
- In 2018 the cadastral process is performed in a Public-Private-Cooperation model – two shared responsibility
 - **The Danish Geodata Agency:** State authority for registration of real property and overall responsibility for the cadastral system
 - **Private Surveyors:** Licensed surveyors in private practice performs cadastral work

The Danish Surveying Profession has managed and professionalized this task and has been recognized in society as an **impartial profession**



250 ÅR I SAMFUNDETS TJENESTE



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Call
for

Land

Professionals



UN SDG – a global challenge and responsibility for all



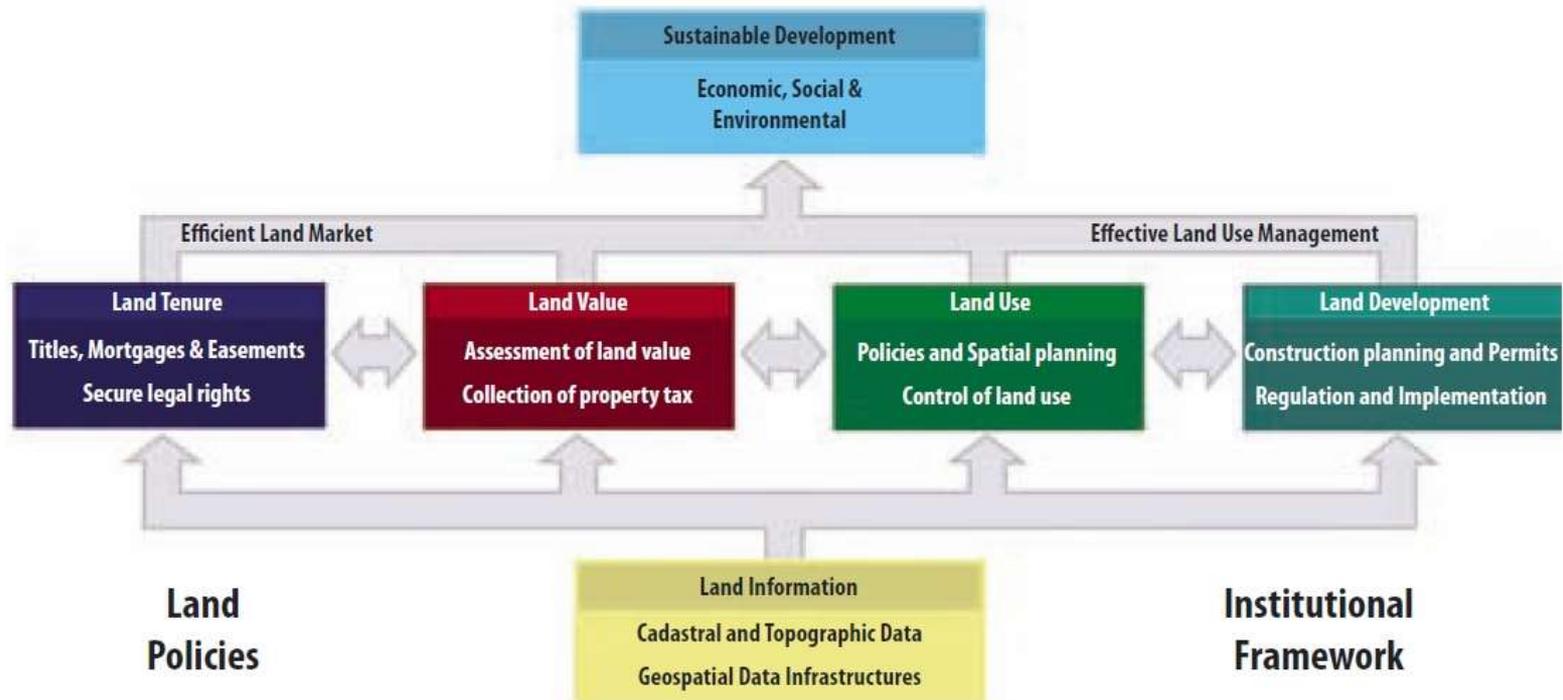
Cadastral Systems basically supports UN SDG No. 1 – No Poverty



- "1.4 by 2030 **ensure that all men and women, particularly the poor and the vulnerable, have equal rights to economic resources, as well as access to basic services, **ownership, and control over land and other forms of property**, inheritance, natural resources, appropriate new technology, and financial services including microfinance**"

Security of **ownership and control** over **land** and other forms of **property**
– calls for Land Professionals

Land Administration System – Land Management is based on Cadastral Data supporting Land Policies and Institutional Framework



A Global land administration perspective (Enemark 2004)

Land Administration and Sustainable Development – calls for Land Professionals



A sustainable Cadastral Process – considerations in a fit-for-purpose concept

- **Security** – As a safe basis for land administration, the information in the Cadaster must be credible and available
- **Quality** – Cadastral work must be performed with the required quality
- **Legality** – Cadastral changes and the intended land use must comply with other legislation
- **Legal certainty** – By execution of cadastral work, legal certainty for third parties must be maintained
- **Impartiality** – Cadastral work must be carried out independent of political interests, personal and economic interests in involved properties

A sustainable Cadastral Concept and Process fit-for-purpose – calls for Land Professionals

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To be
a

Profession



What is a Profession – the Great Danish Encyclopedia



*“In the narrow sense, the term is used as a **group of professionals** whose practice and expertise have a background in a specific formal **education** that gives them professional **authority** and **status**. A profession in this sense is characterized by professional **norms** and **standards** for well-executed work and also by **professional ethics**.”*



Overall characteristics

- **Special social task** – Fundamental social areas / functions and often subject to a degree of public administration
- **Specialized knowledge** – Special knowledge through formal qualifying education
- **Organization** – Professional body taking care of and promoting political, professional and business interests
- **Jurisdiction** – Self-management of a professional field and its practice

Profession Markers



“Areas / trademarks defining a profession which must be profiled and positioned to acquire or maintain the rights to a professional area”



Typical traits / markers by a Profession within the characteristic fields

- **Special social task** – Monopoly, authorization, Society's regulation
- **Specialized knowledge** – Education, Continuing Professional Development (CPD), abstraction and judgment, professional profile
- **Organization** – Professional Association
- **Jurisdiction** – Appeal system, professional standards, professional ethics

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Case Study

- The Danish Surveying Profession



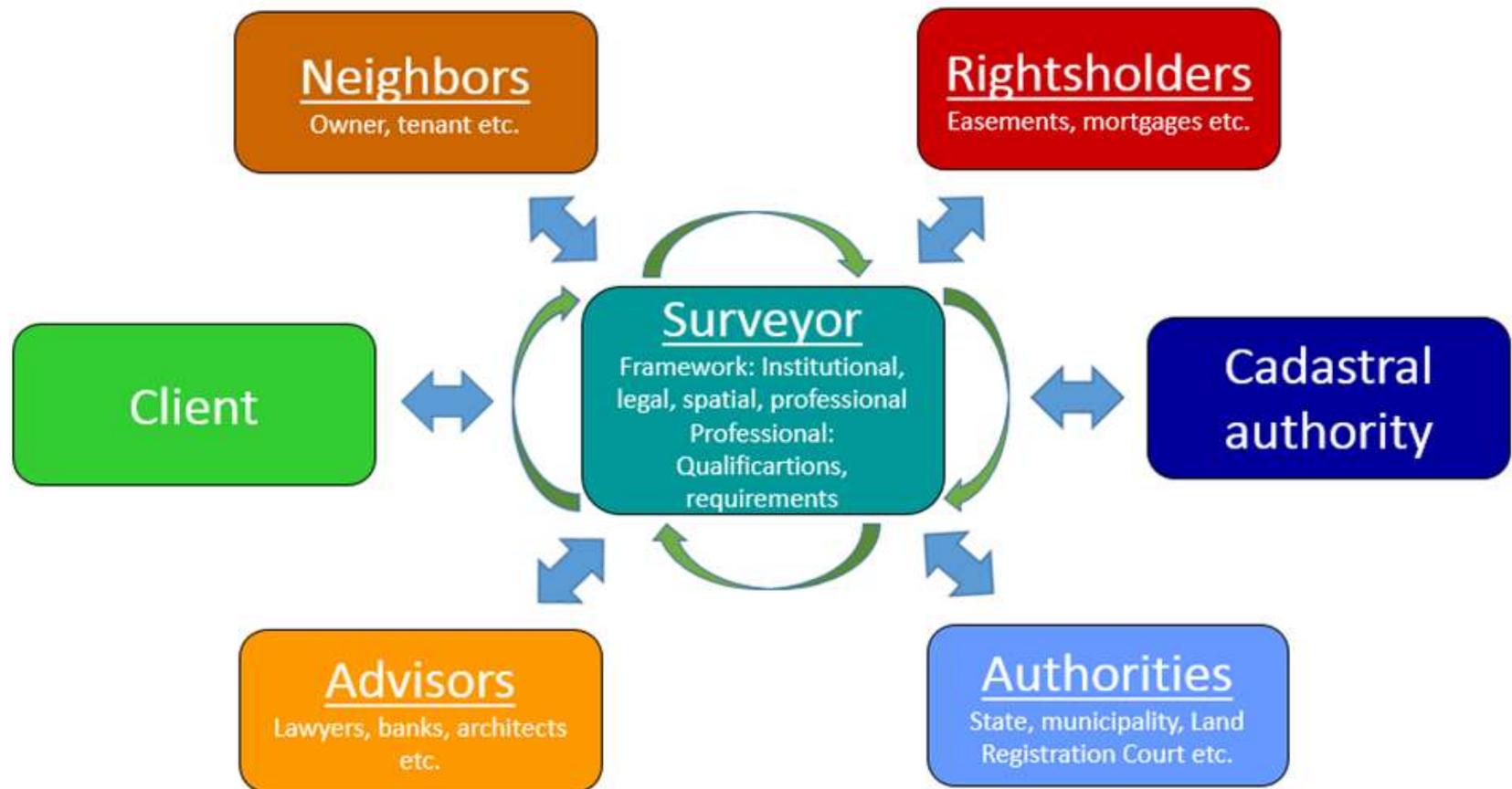
250 Years in the Service of Society – securing land and property rights

- Danish Surveyors has **maintained** and **developed** this position with exclusive right to carry out cadastral work due to a **strong professional profile** and **position** in the professional field as **objective and impartial professionals**

The role of the licensed surveyor – in the Cadastral Process

- **Acting in the cross field** between private initiatives, rightsholders and public regulation – Land Use and Land Development
- **Defending** property rights and carrying out property **changes** on the location
- **Ensuring legality** and the **rights** acquired in the properties during property changes
- **Ensuring** correct **identification** of properties and **registration** of property boundaries and areas in the Cadaster

The role of the licensed surveyor – “driver”, conductor and mediator



Special social task



- Monopoly

- Cadastral work may only be performed by practicing chartered surveyors in private practice and by their licensed assistants

- Authorization

- **Appointment** awarded according to State Law based on approval of professional skills, by the Danish Geodata Agency – based on education as surveyor and documentation of minimum three years relevant cadastral/surveying work in practice (license to perform cadastral work)

Special social task



- **Society's regulation** (most significant)
 - **Legislation** – On the execution of cadastral works and requirements for private land surveying companies
 - **Impartiality** – There must be no doubt as to the impartiality / neutrality of the surveyor in the task performance
 - **Obligatory insurance** – A professional party insurance defined by the Danish Geodata Agency – State Authority
 - **Board of appeal** – A penalty board under State authorities independent from the surveyor's organization, to settle complaints about the surveyor's work. Have the power to periodically or permanently revoke the appointment to provide cadastral work

Specialized knowledge



- Education

- 5 years on University level consisting of a bachelor degree (3) and master degree (2) in surveying and cadastral science
- 3 Years of relevant cadastral practice

- Continuing Professional Development (CPD)

- Not compulsory but de facto. Recommendation 37 hours per year – professional training, knowledge sharing and presentation/education

- Abstraction and judgment

- Authorization to exercise specialized and qualified discretion and decisions when determining property limits on the basis of the duty of investigation of measurement information and physical conditions

Specialized knowledge

- Professional profile

- Basis/foundation, professional performance and professional fields



Organization



- Professional Association

- **The Danish Association of Chartered Surveyors (DdL)** – A professional association for personal membership of chartered surveyors. Membership not mandatory.

Handles professional, economic and social interests of the surveying profession – including continuing education activities

- **The Danish Association of Licensed Surveyors (PLF)** – A professional association for private chartered surveying companies. Membership not mandatory

Develop and strengthen the private chartered surveying companies By representation of political, professional and business interests

Jurisdiction – defined by the surveyors associations



- **Appeal system**
 - **Disciplinary board** – A committee providing advisory opinions and guidelines on professional matters
 - **Fees appeal board** – A committee providing advisory opinions and guidelines on matters dealing with complaints about remuneration
- **Professional standards**
 - **Statutes** on requirements for standard services
- **Professional ethics**
 - **Guidelines** (ethical codes) for the surveyors task performance
 - The **CLGE Code of Conduct** – ratified by most European Countries



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Danish



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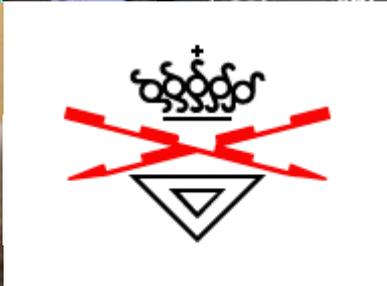


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Pro-
fession



Snap-
shots



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Final Remarks



How does a Land Profession develop acting in the Service of Society – supporting UN SDG?

“ *First of all – by Yourselfes* ”

Professionalization by

- **Organizing** – Unite in a profession's organization
- **Ethics** – Set up a code of conduct for professional behavior
- **Standards** – Develop standards for professional tasks
- **Jurisdiction** – Establish complaint and appeals boards for self-regulation
- **Public affairs** – Be proactive in political and professional interest care to strengthen and promote the interests of the profession

Why should Land Professionals support UN SDG? **Because** –



GOAL 1
END POVERTY IN ALL ITS FORMS EVERYWHERE

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 2
END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

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GOAL 3
ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 4
ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

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GOAL 5
ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 6
ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 7
ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 8
PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 9
BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

all

GOAL 10
REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES

SUSTAINABLE DEVELOPMENT GOALS
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about

people

GOAL 11
MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE

SUSTAINABLE DEVELOPMENT GOALS
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GOAL 12
ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 13
TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS*

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 14
CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 15
PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

GOAL 16
PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL, AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS

SUSTAINABLE DEVELOPMENT GOALS
More at sustainabledevelopment.un.org/sdgs

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GOAL 17
STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT

SUSTAINABLE DEVELOPMENT GOALS
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Postlude
” *Surveyors
connecting
location, property rights
and people*





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