

## **FIG Commission 7 – Cadastre and Land Management**

### **Work Plan 2007–2010**

#### **1 Title**

Cadastre and Land Management.

#### **2 Mission**

- To provide a forum for enhancing and exchanging knowledge about cadastre, land administration and land management world wide;
- To encourage the development of pro poor land management and land administration;
- To promote the importance of development of sustainable land administration as infrastructure for sustainable development to underpin economic growth;
- To promote the application of innovative and advanced technology in cadastre, land administration;
- To promote awareness of the role of surveyors in land administration matters to the public and among stake holders.

#### **3 Terms of reference**

Until today many countries have developed their own cadastral system, in many cases with colonial roots. The one operates deed registration, the other title registration, some are based on fixed boundaries, some on general boundaries, some systems are centralised and others decentralised. Many systems do not perform optimally or failed to perform in a way that benefits all of the people. Looking at it from a little distance one can observe that the systems are in principle mainly the same: they are all based on the relationship between persons and land, via rights and are in most countries influenced by developments in Information and Communication Technology (ICT). The two main functions of every cadastral system are: 1. Keeping the contents of these relationships up-to-date (based on legal or customary transactions) in a cadastral or land registration system and 2. Providing information on these registrations.

Commission 7 deals with land administration; “the process of determining, recording and disseminating information about the ownership, value and use of land when implementing land management policies” (ref. UNECE Land Administration Guidelines 1996).

“Ownership” should be seen as a broad concept of land tenure within various jurisdictions (statutory, customary, informal, etc.) “Land” includes constructions at subsurface level, ground level and above land level (e.g. buildings).

Furthermore Commission 7 deals with land management, which is the implementation of land policy, by a wide range of land policy instruments (e.g. land reform, land consolidation, land markets, land taxation, marine resource management).

In terms of “key words” Commission 7 deals with:

- land management and land administration
- cadastres, land registers
- cadastral reform

- land policy, land reform, land taxation
- land tenure
- land law and land related laws
- sustainable land administration
- pro poor land management and land administration
- cadastral surveying and mapping
- land registration
- land administration in post conflict areas
- disaster management and land administration
- customary and group rights
- informal settlements
- public private partnership in land administration
- land policy and land policy instruments
- land consolidation
- land valuation and taxation
- land markets
- land reform, land privatisation and land redistribution
- innovative technology in land administration
- low cost surveying and mapping
- land and marine resource management

## **4 General**

### **4.1 Preface**

Commission 7 established its concept of activities about 15 years ago. It is in line with the FIG long term professional strategy and selected key topics to deal with:

- advanced cadastre
- developing land administration
- creating secure land tenure
- application of innovative, advance technology in land administration

All topics are related to land administration matters. Developing, modernising land administration has been an increasing demand by developed and developing countries worldwide for many years.

During the last decade many new challenges have appeared – increasing focus on sustainable development, post conflict problems (civil wars, tribal conflicts, etc.) increasing number of disasters, increasing gap between developed and developing world, rapid urbanisation in the developing world, etc. All of the above challenges connected to land and property related activities. The profession has to find answer and solutions.

Several of the above challenges are being handled by existing cadastral, land management and land administration institutions, some of the existing institutions have not adapted to the challenges or been developed in an adequate manner. In bringing solutions to the 21<sup>st</sup>. Centuries' land and property related challenges, Commission 7 therefore believes that a future oriented focus from the surveying profession is essential. The surveying profession must play an ever central role in the development and modernisation of cadastre, land management and land administration. The ultimate goal is to make land administration the proper infrastructure for sustainable development and

to make land administration institutions develop sustainable solutions through land related activities.

Achieving the Commission 7 concept and goals will continue to involve efforts over a long period; therefore the Commission wants to continue its professional work, which was successful over the passed years. Of course there needs to be some changes and new priorities have to be defined based on the last four years experience.

Following the overall FIG strategy, Commission 7 intends to:

- Continue its effort focusing on countries in Africa, Latin America, Asia, Middle East, CEE and providing a meeting place as well;
- Strengthen working relations cooperation with other FIG Commissions;
- Continue cooperation with UN Organisations and Agencies;
- Find possibilities to cooperate with other professional organisations, NGOs, Dutch Cadastre, ITC, etc;
- Provide and disseminate information to the profession, national associations and authorities to develop and establish land administration systems;
- Support the needs in different regions.

#### **4.2 Commission 7 Work Plan in Relation to FIG Professional Strategy**

Following Commission 7 tradition the work plan will support the achievement of FIG goals:

- extending working cooperation with other commissions;
- to continue and extension of working relation with UN organisations, World Bank, agencies and other organisations;
- to contribute to organise joint workshops, events wit UN and other external organisations;
- to contribute to formulate the professional program for FIG congresses and working weeks;
- supporting regional events, workshops to promote FIG activities in general and new priorities of the surveyor profession;
- to encourage national delegates, representatives to participate in FIG events and disseminate information to national associations and professionals;
- to support the publication of working results;
- following the traditions, Commission 7 contribute to the major FIG events, congresses, working weeks;
- to encourage member associations and national delegates from Asia, Africa, Latin America and Eastern Europe to participate in Commission 7 and major FIG events.

#### **4.3 Objectives**

There are many fields of interest for Commission 7 related to land administration, Cadastre and land management matters. To achieve realistic results in the 2007-2010 period we have to prioritise the most important issues based on the Commission 7 activities during the past years, recent developments, challenges concerning land related matters world wide and priorities supported by UN and other professional organisations and NGOs.

As a new development in FIG activity, Commission 7 intends to find possibilities to form working relation with the UN Habitat Global Land Tool Network, GLTN.

Important issues selected:

- Pro poor land management and land administration
  - land administration and land management in customary and informal areas
  - low cost data acquisition (geometric, legal) registration and mapping
  - low cost, innovative tools for land management and land administration
- Sustainable land administration supporting good governance
  - how can we develop sustainable land administration in so-called developing countries within a framework of land policies
  - how can we keep sustainability of land administration in so called developed countries
- Land administration in post conflict areas
  - how is possible to create, rebuild land administration after conflicts
  - approaches in redistribution of land in post conflict areas
- Disaster management and land administration
  - relation between land administration and disaster management
- Economic land use and land use control
  - supporting how to create economic land use
  - how to manage land use and informal urbanisation in developing countries
- Land administration and land management in the marine environment
  - how to develop marine cadastre
  - how to support coastal zone management
- Innovative technology and ICT support in land administration and land management
  - how to extend land administration with 3D cadastre and land registry
  - how to develop innovative, low cost technology to support pro poor land management and land administration
  - national and international data infrastructure initiatives
  - ICT support to develop sustainable land administration (standardisation, interoperable systems)
  - sustainable capacity building for land administration
- Institutional aspects for land administration and land management
  - how to the support the development of institutional framework for land administration, land management

Commission 7 intends to address the selected issues in various ways within FIG and in cooperation with other organisations:

- Commission 7 working groups
- Presenting papers, lectures during FIG and joint events
- Working cooperation with other FIG commissions
- Working relation with UN and other organisations
- Providing a documentation centre OICRF

## 5 Working Groups

### **Working Group 7.1 – Development of Pro Poor Land Management and Land Administration**

#### Terms of reference

- recognise and support the development of pro poor land management approaches
- communicate, as far as possible, the FIG concepts in development of land policy and land management: land law, land tenure and security of tenure, land markets, land taxation, land use planning, land reform, land redistribution, post conflict land administration
- identify (geometric) aspects related to social, informal land tenures
- support the development of low cost, innovative, data acquisition methods
- develop the social tenure domain model
- contribute to the UN Habitat Global Land Tool Network (GLTN)
- propose a capacity building approach for pro poor land management

#### Chair

- Christiaan Lemmen (The Netherlands), e-mail: lemмен@itc.nl

### **Working Group 7.2 – Land Administration to Support Sustainable Development**

#### Terms of reference

- investigate the necessary legal and institutional framework for the creation and development of sustainable development
- identify other conditions for developing sustainable land administration
- study solutions for developing land administration in post conflict areas
- find simple, low cost solutions for creating sustainable land administration in developing countries
- investigate improvements of land tenure security through new legal frameworks and new and better administrative tools
- focus on solutions to combine formal land delivery process and customary approaches (neo-customary) land delivery process
- study the role of gender-issues in creation of sustainable land administration development
- analyse sensible forms of land taxation for funding land reform and upgrading programmes
- identify and find solutions of assisting post conflict areas, disaster areas, etc. in rebuilding and maintain land administration after war and catastrophe of nature

#### Chair

- Søren Christensen (Denmark), e-mail: sfc.@kms.dk

### **Working group 7.3 – Application of Innovative Technology in Land Administration**

#### Terms of reference

- electronic conveyance and governance

- identify innovative and low cost technology to support the development for pro poor land management, land administration
- identify innovative, advance technology for sustainable land administration
- dealing with standards
- focus on copyright and fee questions
- dealing with identification and defining parcel boundaries
- focus on national and international data infrastructure initiatives
- 3D cadastre, land registry

#### Chair

- Daniel Steudler (Switzerland), e-mail: Daniel.Steudler@swisstopo.ch

### **6 Cooperation with other FIG Commissions**

- 3D Cadastre , land registry joint working group with Commission 3
- Coastal zone management, marine cadastre with Commission 4 and 8
- Low cost, effective survey technology and techniques for developing countries, with Commission 5
- Urban- rural inter relationships, defining formal and informal tenure, property rights, joint working group with Commission 8 lead by Commission 8
- Education, capacity building with Commission 2
- Commission 9 formed Working Group 9.2 “Improving Slum Conditions through Innovative Financing.” As an FIG issue Commissions 3, 7, 8, 10 will participate in the work. Within Commission 7 Working Group 7.1 is responsible for the topic, Tommy Österberg is the Commission 7 representative.

### **7 Cooperation with the United Nations Organisations and Agencies**

Commission 7 will continue cooperation with UN organisations, including UN-Habitat, UN Food and Agriculture Organisation (UN FAO) and the UN Economic Commission for Europe’s Working Party on Land Administration (UNECE/WPLA).

### **8 Cooperation with other Professional Organisations**

Commission 7 will work in co-operation with the Dutch Cadastre, ITC and Institution of Geodesy, Cartography and Remote Sensing (FÖMI).

### **9 Communications**

The secretariat of the commission will maintain the Commission 7 web site and keep delegates, correspondents, friends informed primarily via e-mail.

### **10 Commission 7 Annual Meetings and Events**

According to the consensus among the commission delegates to hold annual meetings separately from the major FIG events, Commission 7 intends to continue its traditions for organising annual meetings. Until now Korea will host the annual meeting in 2007 and Verona, Italy in 2008.

### **11 Events Calendar**

2007

- Commission 7 Annual Meeting, Seoul, Republic of Korea, 19-23 May 2007
- FIG Working Week 2007, Hong Kong SAR, China, 13-17 May 2007
- Contribution to GeoCongress Quebec 2007, Quebec City, Canada, 2–5 October 2007
- FIG Regional Conference, San José, Costa Rica, 12-15 November 2007

2008

- Commission 7 Annual Meeting Verona, Italy
- FIG Working Week Stockholm, Sweden, 14-19 June 2008

2009

- Commission 7 Annual Meeting
- FIG Working Week, Eilat, Israel, 3–8 May 2009

2010

- Commission 7 Annual Meeting
- FIG Congress Sydney, Australia, 9-16 April 2010

## **12 Commission Officers**

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