



COMMISSION 7

Working Group 7.3

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Working Group 3 – Application of Innovative Technology

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Context

Work plan of Commission 7

→ Commission 7 intends to find possibilities to form a working relationship with UN Habitat Global Land Tool Network GLTN.

Important issues selected for Commission 7 activities are:

- **Pro poor** land management and land administration
- **Sustainable land administration** supporting good governance
- Land administration in **post conflict areas**
- **Disaster management** and land administration
- **Economic land use** and land use control
- Land administration and land management in the **marine environment**
- **Innovative technology and ICT support** in land administration and land management
- **Institutional aspects** for land administration and land management

Context

Commission 7 intends:

- to address the selected issues in various ways within FIG and in cooperation with other organisations
- to run three working groups
- to present papers, lectures during FIG and joint events
- to co-operate with other FIG commissions
- to establish working relations with UN and other organisations
- to provide the documentation centre OICRF

Context

The work plan of Commission 7 makes a statement on the field of interest for working group 3. WGr 7.3 will revolve around the following topics:

- 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 (SDI, INSPIRE)
- 3D cadastre, land registry

Aim of Working Group 7.3

As the working group will have limited resources and time, it will prioritize its activities. It will do so by taking the basic work flow of "data acquisition and preparation" – "data administration and management" – "data provision and distribution" as underlying structure into account.

Accordingly, working group 7.3 aims to focus mainly on the following items:

- explore Open-Source possibilities (from field data acquisition to adjustment, to management and to data provision)
- continue the data modelling activities (cadastral core data model)
- explore new technologies that might impact on land administration such as e.g. orthophoto technology and Google Earth possibilities
- focus on technology and procedures for enhanced and simplified customer contact (e.g. orthophoto, notepad, etc)

Intended Deliverables

- 1 symposium during an annual meeting
- 1 workshop or session apart from annual meeting (eg. during a Working Week or Regional Meeting)
- 1 publication

Form of intended publication

- booklet with 3-4 sections (for example data acquisition / data treatment, adjustment / data management / data distribution)
- with contributions (2-4 pages) and invited papers (8-10 pages)
- aim of booklet: relevant for UN organizations and countries in development

Data Modelling Activities

- countries developing their cadastral system (or social tenure arrangements) could benefit from a set of recommendations in how to establish it → link to UN-Habitat
- Cadastre 2014 proposals
- Core Cadastral Data Model (CCDM) initiatives by Lemmen and van Oosterom (on the road to be submitted as working proposal to ISO/TC211) → link to UN-Habitat

Joint Initiative for "FOSS Cadastre"

- initiative by FAO-Land Tenure Service (Mika Törhönen), in cooperation with WB-Thematic Group on Land Administration (Gavin Adlington) and FIG-Commission 7
- FAO to commission a scoping paper as well as one or two case studies this year

Enhanced and Simplified Customer Contact

- technology and procedures (e.g. orthophoto, notepad, rope, etc) to speed up data acquisition in difficult situations
- tapping into Google Earth potential and possibilities

International boundary delimitation

- there are recommended models, but nowhere officially recognized
 - Srebro presentation in Hong Kong (16 May 2007) about international boundary delimitation of Israel
- explore the possibilities
- task force ?
- publication (guidelines, good practice) ?