



Programme

Registration of properties in strata - International Workshop on "3D Cadastres"

November 28-30, 2001

Department of Geodesy, Delft University of Technology, Delft, the Netherlands

Day 1	November 28, 2001
09.00-09.45	Registration and Coffee
09.45-10.05	Opening Session P.J.M. van Oosterom Delft University of Technology, the Netherlands
10.05-11.00 Chair:	3D in current practice I H. Onsrud - Statetens karatverk, Norway
	Short presentation about the Israeli Cadastral Background Y. Doytsher Technion, Israel
	Transition from two-dimensional legal and cadastral reality to a three-dimensional one in Israel J. Forrai and G. Kirschner Survey of Israel
11.00-11.30	Coffee Break
11.30-12.15 Chair:	3D in current practice II H. Onsrud - Statetens karatverk, Norway
	Different aspects of a 3D cadastre in the new town Modi'in, Israel A. Grinstein A.G. Geodetic Eng. Ltd., Israel
	Research leading to a multi-layer 3D cadastre: interim results M. Benhamu and Y. Doytsher Department of Civil Engineering / Technion, Israel
12.15-13.45	Lunch
13.45-15.15	Parallel Working Sessions
15.15-15.45	Coffee Break
15.45-17.15 Chair:	Organisational/governmental aspects M. Sutherland - University of New Brunswick, Canada
	Institutional aspects of 3D cadastres P. van der Molen Kadaster, the Netherlands

	Registration of properties in strata in Kenya J.W. Mwenda University of Nairobi, Kenya
	Land Cadastre and Building Cadastre in Slovenia: Current situation and potential of 3D E. Pogorelcnik and M. Korosec Surveying and Mapping Authority, Republic of Slovenia
	3D property ownership and 3D land use in Finland K.Viitanen Helsinki University of Technology, Finland
17.15-18.00	Happy hour
Day 2	November 29, 2001
09.30-11.00 Chair:	Technical and legal aspects I J. Forrai - Survey of Israel
	Toward a 3D marine cadastre in support of good ocean governance S. Ng'an'ga, M. Sutherland, S. Cockburn and S. Nichols University of New Brunswick, Canada
	Towards a 3D cadastre: Where do cadastral needs and technical possibilities meet? J.E. Stoter and M.A. Salzmann Delft University of Technology / Kadaster, the Netherlands
	Conceptual modeling of real property objects for the Hellenic Cadastre D. Rokos Ktimatologio S.A., Greece
	Design and development of a 3D LIS for urban applications M.R. Delavar and M.G. Majdabadi University of Tehran / National Cartographic Centre, Iran
11.00-11.30	Coffee Break
11.30-12.15 : Chair:	3D data model visualisation Y. Doytsher - Technion, Israel
	3D-GIS in networking environments V. Coors Fraunhofer Institute for Computer Graphics, Germany
	Centre for 3D GeoInformation L. Bodum and E.M. Sørensen Aalborg University, Denmark
12.15-13.45	Lunch
13.45-15.15	Parallel Working Sessions
15.15-15.45	Coffee Break
15.45-17.15 Chair:	Legal aspects G. Kirschner - Survey of Israel
	Property formation and three-dimensional property units in Sweden B. Julstad and A. Ericsson National Land Survey, Sweden
	Making laws for 3D cadastre in Norway H. Onsrud Statens kartverk, Norway
	Three-dimensional division and registration of title to land: Legal aspects H. Sandberg

	Law School, Israel
20.00	Dinner
Day 3	November 30, 2001
09.30-11.00 Chair:	3D data models C.H.J. Lemmen - Kadaster/ITC, the Netherlands
	Reinstating and marking spatial parcel boundaries as a base for a 3D digital cadastre by means of real time kinematics GPS J. Jarroush and G. Even-Tzur Technion / Department of Civil Engineering, Israel
	3D spatial relationships model: A useful concept for 3D cadastre? R. Billen and S. Zlatanova Université de Liège, Belgium / Delft University of Technology, the Netherlands
	Terrain, Dinosaurs and Cadastres: Options for three-dimensional modeling R.O.C. Tse and C. Gold Hong Kong Polytechnic University
11.00-11.30	Coffee Break
11.30-12.30 Chair	Technical and legal aspects II J.E. Stoter - Delft University of Technology, the Netherlands
	Trends in apartment registration and administration in Europe R. Baldwin and E. Pogorelcnik BlomInfo A/S, Denmark / Surveying and Mapping Authority, Republic of Slovenia
	How to define real estate: 2D or 3D? - Legal view, conditions and experiences in the Czech Republic M. Huml Technical University of Prague, Czech Republic
	Problems in registration in the third, vertical dimension in the unified land registry in Hungary, and possible solution A. Osskó Budapest Land Office, Hungary
12.30-14.00	Lunch
14:00-15:30 Chair	Plenary Working Session P.J.M. van Oosterom - Delft University of Technology, the Netherlands
15.30-16.00	Closing Session P. van der Molen on behalf of FIG

Working Sessions

During the 3D Workshop, working sessions are scheduled. The purpose of these sessions will be to open international discussion on both technical and legal aspects of 3D Cadastres. The aim of the working sessions is:

1. to clarify the problem domain;
2. to brainstorm about possible solutions;
3. to give recommendations.

There will be parallel working sessions on the first and second day on the following topics:

1. [Organizational \(conceptual\) aspects](#) (operationalization, financing, working processes)
chairperson: M. Sutherland, University of New Brunswick, Canada
2. [Technical aspects](#) (geometry, topology, 3D modelling, data structure, information systems)

chairperson: C. Gold, Polytechnic University of Hong Kong

3. [Legal aspects](#) (juridical restrictions, changing legislation)

chairperson: J. de Jong, Delft University of Technology, the Netherlands

On the third day a plenary session will be held to [report from the different working sessions](#).