

Cadastral Template Project



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 Cadastral Surveying



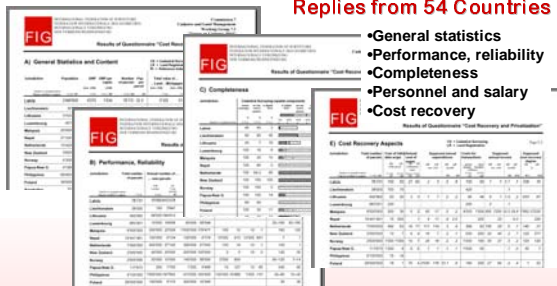
In cooperation with:
 Ian P. WILLIAMSON, Australia
 Abbas RAJABIFARD, Australia
 Stig ENEMARK, Denmark

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- History, Background
- Design and Content
- Website

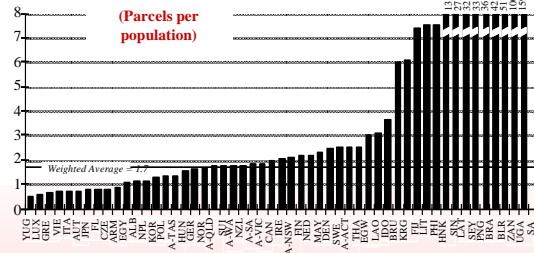
FIG-Commission 7: Country Report 1997

Replies from 54 Countries

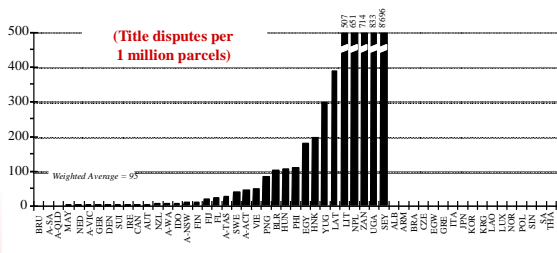


- General statistics
- Performance, reliability
- Completeness
- Personnel and salary
- Cost recovery

Benchmarking Cadastral Systems (Stuedler, Williamson, Kaufmann, and Grant, 1997)



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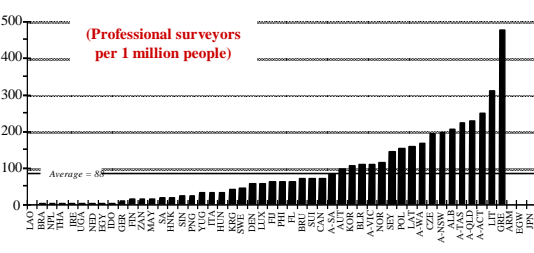


FIG-Commission 7

Standardized Country Reports:

2001 – Replies from 13 Countries

- Annual Indicators
- Long-Term Statistics

2002 – Replies from 17 Countries

- Education
- Trends and Reforms

PCGIAP – Working Group 3 (Cadastre)

PCGIAP: Permanent Committee on GIS Infrastructure for Asia-Pacific (annual meetings, reports to UNRCC-AP, 55 member nations)

WG-Chair: Ian Williamson (Australia)

WG-Vice chair: Ahmad Fauzi bin Nordin (Malaysia)

Research Centre: University of Melbourne, Dept. of Geomatics, Center for Spatial Data Infrastructures and Land Administration

Researchers: Dr. Daniel Stuedler
Prof. Ian Williamson
Dr. Abbas Rajabifard
Prof. Stig Enemark

Workshop: Okinawa, Japan, 12/13 July 2003

Intention of Cadastral Template

To develop an appropriate **generic template** for country profile analyses describing the status of cadastre and land administration, and the need for improvements, which will facilitate benchmarking and the development of performance indicators.

UNRCC-AP Resolutions, Okinawa, July 2003

In Okinawa, the UNRCC-AP adopted a resolution concerning the jointly developed cadastral template and - among other issues - recommended:

- that the PCGIAP-Working Group 3 encourages the member nations to complete the template during its new 2003-2006 work plan,
- that Working Group 3 cooperates with **FIG-Commission 7**, PCIDEA, UNECE-WPLA and UNECA-CODI, and
- that PCGIAP cooperates with **FIG-Commission 7** to maintain and update a web site for the cadastral template.

Design Principles for Template

- keep it simple in order to attract as many participants as possible → part I and II (descriptive and statistics)
- 3 Ps as basic indicators: population / parcels / professionals
- role of cadastre for SDI
- resource for lesson-learning from each other
- resource for developing best practice and performance indicators

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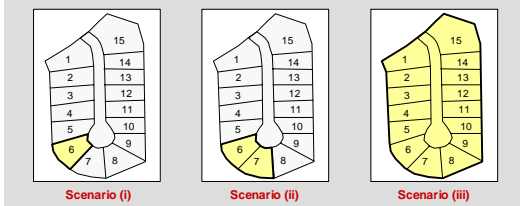
Part I: Descriptive Country Report

A. Country Context	Geographical Context / Historical Context / Current Political and Administrative Structures / Historical Outline of Cadastre
B. Institutional Framework	Government Organizations / Private Sector Involvement / Professional Organization or Association / Licensing / Education
C. Cadastral System	Purpose of Cadastral System / Types of Cadastral System / Cadastral Concept / Content of Cadastral System
D. Cadastral Mapping	Cadastral Map / Example of a Cadastral Map / Role of Cadastral Layer in SDI
E. Reform Issues	Cadastral Issues / Current Initiatives

Part II: Questionnaire

1. Cadastral Principles	Deeds vs. title registration / registration compulsory or optional / systematic vs. sporadic registration
2. Cadastral Statistics	Population / no. of land parcels / no. of strata titles / degree of registration / no. of professional land surveyors and lawyers/solicitors

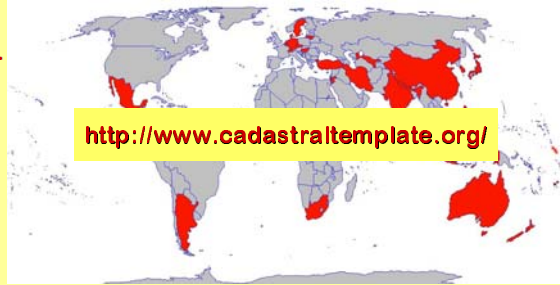
Parcel-Property Relationships



Scenario (I)	Scenario (II)	Scenario (III)
in many jurisdictions the smallest uniquely identified (and usually surveyed) unit shown in the land registry is termed a parcel ;	in many other jurisdictions, while the smallest uniquely identified (and usually surveyed) unit is a parcel, the land registry only records single land ownership units often called properties , which may include one or more parcels;	in some other countries, there are many properties or land ownership units , often unsurveyed, in one legally defined and surveyed parcel
15 parcels / 15 properties (entries in land registry)	15 parcels / maybe 8 properties	1 land parcel in cadastre / 15 land ownership units and 15 titles in land registry
→ number of smallest uniquely identified land units: 15	→ number of smallest uniquely identified land units: 15	→ number of smallest uniquely identified land units: 15

33 Countries (May 2004)

www.cadastraltemplate.org



<http://www.cadastraltemplate.org/>

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Country	2.5 No. of Land Parcels (million)	→ land parcels per 1 million population
Australia	10.2	531,300
France	0.06	172,700
Canada	7	583,300
China	246.5	205,400
Czech Republic	21.6	2,099,300
Denmark	2.5	471,700
Finl.	0.09	118,600
Germany	61.5	745,500
Hong Kong	0.3	44,800
Hungary	7.3	722,800
India	210	205,500
Indonesia	84.5	361,100

Thank you for your attention !