Cadastral Template


Daniel Steudler
Design Principles for the 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
Part I: Descriptive Country Report

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

Part II: Questionnaire

<table>
<thead>
<tr>
<th>1. Cadastral Principles</th>
<th>Deeds vs. title registration / registration compulsory or optional / systematic vs. sporadic registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Cadastral Statistics</td>
<td>Population / no. of land parcels / no. of strata titles / degree of registration / no. of professional land surveyors and lawyers/solicitors</td>
</tr>
</tbody>
</table>
Cadastral Template
A Worldwide Comparison of Cadastral Systems
Established under UN mandate by Resolution 4 of the 16th UNRCC-AP in Okinawa, Japan in July 2003.
UN endorsement for cooperation with UN-ECE VPLA, UN-ECA CODI, and PCIDEA.

Data per Country
(last update: 18 Apr. 2004, 33 countries)

II. Principles and Statistics
(last update: 18 Apr. 2004, 33 countries)
1.1 Cadastral Principles
2.1 Population
2.3 Parcels
2.7 Professionals

Documents
• Questionnaires for Download (English, Spanish, Portuguese).
• Publications
• Administrative Documents

Latest Updates
• Country report of Mexico (in Spanish) as 33rd country (18 Apr. 2004)
• Publication in the Hong Kong Journal of Geospatial Engineering (3 Mar. 2004)
• Questionnaires available also in Spanish and Portuguese (6 Feb. 2004)
• Complete update of all data fields with 30 countries (7 Nov. 2003)
• Country Report of Turkey (4 Nov. 2003)

The “Cadastral Template” has been developed by a research group at the Department of Geomatics of the University of Melbourne. It consisted of Prof. Ian Williamson, Dr. Abbas Rajabifard, and Daniel Steudler, supported by Profs. Stig Eriksen from Aalborg University, Denmark.

PCGGAP Working Group 3 “Cadastral” cooperates with FIG Commission 7 to place the country information jointly on this website and to maintain the information during its 2002-2005 Work Plan.

For providing or updating your country data, please contact:
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• for FIG and other organizations: Daniel Steudler (steudler@sunrise.fli.unimelb.edu.au)

This website is maintained by Daniel Steudler.

Established: 22 Apr. 2003
Last Update: 18 Apr. 2004
2. Cadastral Statistics

No. of Land Parcels and Strata Titles

<table>
<thead>
<tr>
<th>Country</th>
<th>2.3 No. of Land Parcels [million]</th>
<th>→ land parcels per million population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>10.2</td>
<td>531,300</td>
</tr>
<tr>
<td>Brunei</td>
<td>0.06</td>
<td>172,700</td>
</tr>
<tr>
<td>Cambodia</td>
<td>7</td>
<td>583,300</td>
</tr>
<tr>
<td>China</td>
<td>246.5</td>
<td>205,400</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>21.6</td>
<td>2,099,300</td>
</tr>
<tr>
<td>Denmark</td>
<td>2.5</td>
<td>471,700</td>
</tr>
<tr>
<td>Fiji</td>
<td>0.09</td>
<td>118,600</td>
</tr>
<tr>
<td>Germany</td>
<td>61.5</td>
<td>745,500</td>
</tr>
<tr>
<td>Hong Kong</td>
<td>0.3</td>
<td>44,800</td>
</tr>
<tr>
<td>Hungary</td>
<td>7.3</td>
<td>722,800</td>
</tr>
<tr>
<td>India</td>
<td>210</td>
<td>205,500</td>
</tr>
<tr>
<td>Indonesia</td>
<td>84.5</td>
<td>361,100</td>
</tr>
</tbody>
</table>
Experiences

- after the initial workshop in 2003, it became very hard to get support and to get country information
- difficult to maintain
- issues around quality control
- motto: not perfect → but better than nothing
Actions over the last year

- 2 new countries since last annual meeting (Norway, Cyprus)
- concluding from web access statistics, the interest to view the data is on-going (on average 90 hits per day in 2008)
- project is being mentioned by FIG President on several occasions and is considered to be of very good value to FIG
- continuing dialogue about the "management" of the project between FIG-Commission 7 and PCGIAP-Working group "Cadastre"
42 countries (Aug. 2008)
Web access since 1 Jan. 2008

Running total of visits since 1 Jan 2008: 2,274  (as of 5 Sep. 2008)
Countries present at annual meeting

- Australia
- Austria
- Belgium
- Bulgaria
- Cambodia
- Canada
- Czech Rep.
- Denmark
- Finland
- Germany
- Ghana
- Hong Kong

- Hungary
- Italy
- Kenya
- Korea
- Malaysia
- Netherlands
- Slovenia
- Sweden
- UK
Countries present, but not in template

- Australia
- Austria
- Belgium
- Bulgaria
- Cambodia
- Canada
- Czech Rep.
- Denmark
- Finland
- Germany
- Ghana
- Hong Kong
- Hungary
- Italy
- Kenya
- Korea
- Malaysia
- Netherlands
- Slovenia
- Sweden
- UK

All countries:
→ Please review your information and send updates!
Issues

- two years ago, a request for updates provided replies from 3 countries out of 39 (1 country actually provided an update, 2 countries promised to send updates)
- quality control
- there are no procedures in place for regular updates
- structure (who is responsible what for, eg. when template is amended or changed)
- information seems to be of interest, but cooperation and support is weak
Recommendations

• to have a clear commitment of Commission 7
  • that the data collection of the cadastral template is maintained and periodically reviewed
  • that all countries attending the annual meeting have to provide their data and that – in case they are new to the Commission or they have innovative new developments to report – they are given the floor to present them at the meeting
• to maintain a joint task force with PCGIAP-Working group "Cadastre"
Thank you and see you at www.cadastraltemplate.org