The Reasonable Land Parcel Identification of Local Government in Thailand

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Topic

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WORKING STATEMENT

- Sub-district Administrative Organization (SAO) have collected property tax by using cadastral map to locate tax lots and assets.

- Tax maps are created in digital information that would be tied to a spatial data and non-spatial data for displaying.

- The land parcel identification is invented to relate to land record both spatial and non-spatial on this paper.
PROPERTY TAXATION CONCEPTS

- The tasks are discovery land value and listing assets of the taxable property by;
  - The assessment process
  - Tax map characteristic
  - Uses of tax maps

The assessment process

- interested in the parcels of realty situated within the jurisdiction
- the entities together on tax maps, parcel identification system, and property information records in the work of assessors
- assessors must know its influence, if any, on the taxable component
Tax map characteristic

- show boundary lines, dimensions, and a unique identifier for each parcel for their basic purpose is to make possible the discovery, listing and valuation of taxable realty.
- interrelated via parcel identification
- associated plan and also an index card file

Uses of tax maps

- to discover property naturally leads to their use in valuation activity.
- together with associated records in the system
- linkage between tax maps and land use occurs via parcel identification
LAND PARCEL IDENTIFICATION

- On the cadastral system in Thailand under Department of Land regulation

- For example; Sheet Name: Nakornrachasima Province, 1/4000 scale No. 5538IV-4234 Parcel Number
TAX MAP IN SUB-DISTRICT ADMINISTRATION

Ortho Photos are used for overlaying the digital boundary map

PARCEL NUMBERING SYSTEM ANALYSIS

- government survey, map-base and geographic coordinate code.
- DOL parcel identification is government survey, both of number and alphabet, national administration, precise by field survey, base on map projection. And only primary key.
- SAO parcel identification is base on base map as secondary data, specific area and purpose, should be in primary key and secondary key for cross reference to other record.
**THE EVALUATION**

- The land parcel identification must be provided to link not only to integrating land parcel information but also to across jurisdictional area and business process.

- The new data producers can be appended to the parcel identifier without disturbing current data producer’s specification and across the other data set as a separate attribute.

- Historical information tracking and reuse or retirement of parcel identification by pointing to records in source file and databases.

- Could be nationally uniqueness number.
CONCLUSION

- The reasonable LPI has suggested to improve individual SAO recording system, with the incorporation of computer database systems in the future to share data national widely.

- Tax maps trends to interrelate in cadastral systems without conflict due to the same representing with difference code.

THANK YOU