Valuation and Assessment

MVV182K

Property-related Taxation: Issues and Trends
Masaryk University
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Prof William McCluskey

African Tax Institute
University of Pretoria
South Africa





What will be covered

Valuation of real property

Valuation methods

- Traditional and 'new' methodologies
- Data issues/GIS

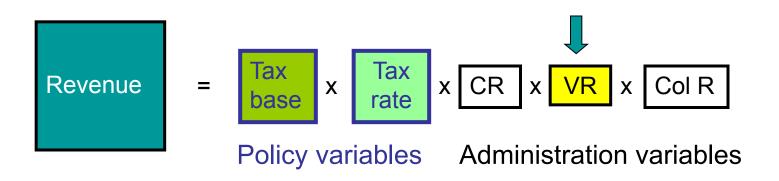
Elements to consider

- Tax base and property discovery
- Taxpayer
- Valuation and/or assessment



- Tax rates
- Tax relief
- Billing
- Collection
- Enforcement
- Taxpayer communication
- Overall system management

Revenue Mobilization Model



CR: Coverage ratio

VR: Valuation ratio

Col R: Collection ratio

Source: Kelly (2000)

Introduction

Value-based systems

- Why use value as tax base?
- What property value must be used?

Who is responsible for property valuations?

- Land only; buildings only; land and buildings (separately/collectively)?
- National government; municipalities; agency; private sector; taxpayer?
- Advantages and disadvantages regarding the above

What methods/techniques are used to value property?

- Land? Buildings? 'Banded' values?
- CAMA and GIS?

Valuation

- How often are properties valued? Prescribed cycles? During cycles?
- External quality control?

Objection and appeal processes

What is assessment basis?

- Should the property be assessed on:
 - Property unit (i.e., each property regardless of size or location would pay an equal proportion of the tax burden)(Ireland)
 - Property size (i.e., each property regardless of location would pay an equal per sq. m. rate)
 - Property value (i.e., each property would pay the tax based on their relative property value)

Value

Advantages:

- Relatively good proxy for ability to pay
- Relationship between value and public services
- Data sharing in respect of other property-related taxes

Disadvantages:

- Requires skills and good market data
- Could be complex
- Requires credible objection and appeal processes
- Costly to implement and to maintain

E.g. Australia, Singapore and Zambia

Capital value v rental value?

- Capital value:
 - Developed capital market
 - E.g. Canada, Lithuania, New Zealand,
 Northern Ireland, South Africa, United
 States
- Annual (i.e. rental) value:
 - Sufficient rental evidence
 - E.g. Egypt, France, Hong Kong, Singapore,
 Uganda, United Kingdom

Valuation

- Responsibility
- Qualification of valuers
- Nature and scope what has to be determined?
- Methodologies?
- Objection and appeal process
 - Payment of tax while case is pending?
- External quality control
- Intellectual property of data

Valuation Standard

"Market value"

Typical definition

"Subject to any other applicable provisions of this Act, the market value of a property is the amount the property would have realised if sold on the date of valuation in the open market by a willing seller to a willing buyer."

South Africa's Local Government: Municipal Property Rates Act, 2004, Section 46(1)

Valuation service providers

- Central or provincial/state government Antigua,
 Australia, Botswana, Grenada, Hong Kong, Jamaica,
 Malawi, Slovenia, Uganda, United Kingdom, United
 States, Zambia
- Government agency or corporation: Canada (British Columbia, Ontario), Moldova, New Zealand
- In-house (i.e. municipality itself): Lesotho, Macedonia,
 Namibia, South Africa, Tanzania, Turkey, Zambia
- Private sector: Malawi, Namibia, New Zealand, South Africa, Tanzania
- Self-assessment: Georgia, India (some cities), Liberia, Romania, Rwanda

Valuation methods

Comparison method

Direct method – comparing the actual sales
 prices/rentals of comparable properties (e.g. residential)

Income method

- Indirect method
- Estimating the potential revenue stream (Hong Kong, UK)

Cost method

- Replacement construction cost
- Depreciation to be considered
- Cumbersome to determine (Ghana, Philippines, Indonesia, Tanzania)



HOTELS









New Technologies and methodologies

- Computer-assisted Mass Appraisal (CAMA)
- Indexation

- Geographic Information Systems (GIS)
- Property banding
- Drones



VALUE BASED

Degree of complexity

Data requirements

Flat amount per property use

Area (m2)

Selfdeclaration by owner

Value banding

Cost approach

Rental Value – Income approact:

Capital value

Scale of the problem 2

Hong Kong 2.4m ANNUAL REVALUATIONS

Ontario, Canada 4.5m Every 4 years

Kuala Lumpur 800,000 2014

Makati City 135,000 1993

Some countries that actively use CAMA

Australia Canada Denmark Egypt

Finland Latvia

Lithuania Mauritius

Netherlands

South Africa

United Kingdom

United States

Slovenia

Hong Kong

Brazil

Russia

Sweden

Northern Ireland

Canada

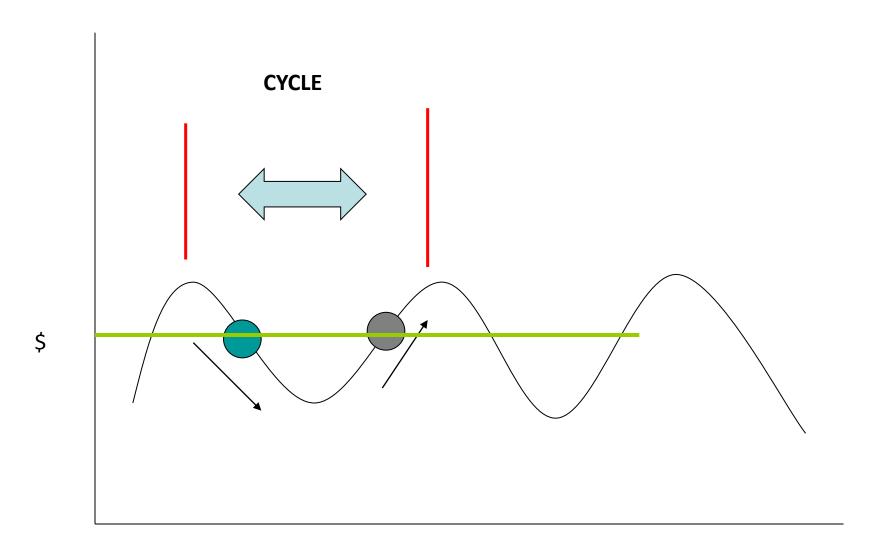
Moldova

Thailand

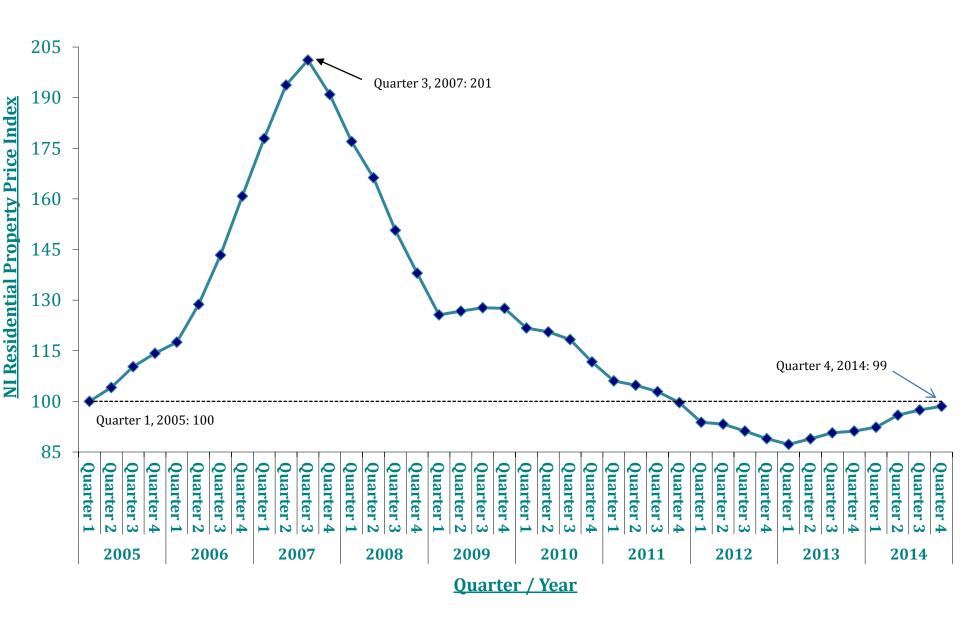
Columbia

The Challenge!! Population Sales Sample Model applied to all properties Model developed on sales

Timing of Revaluation????



TIME



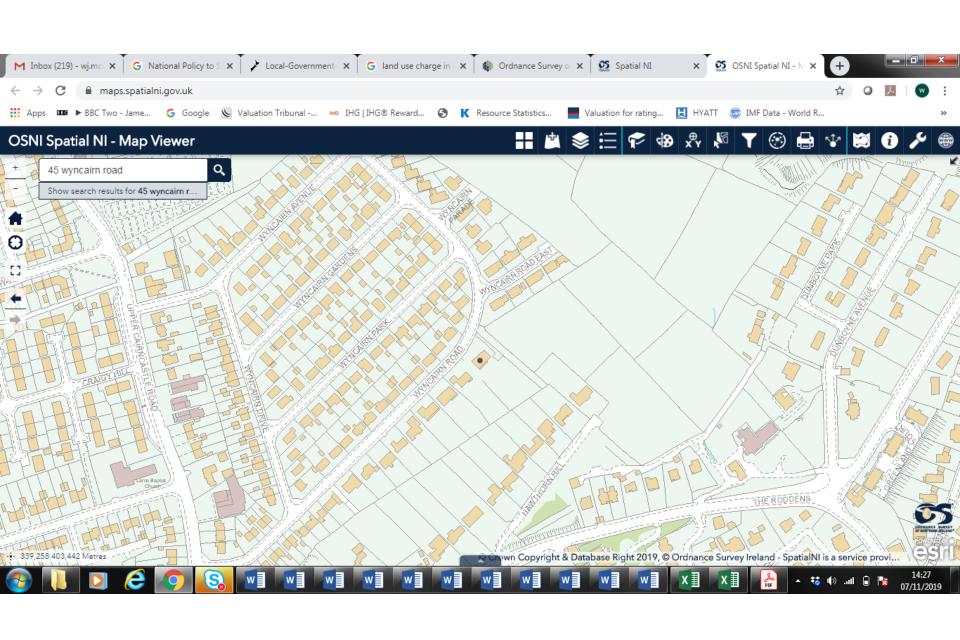


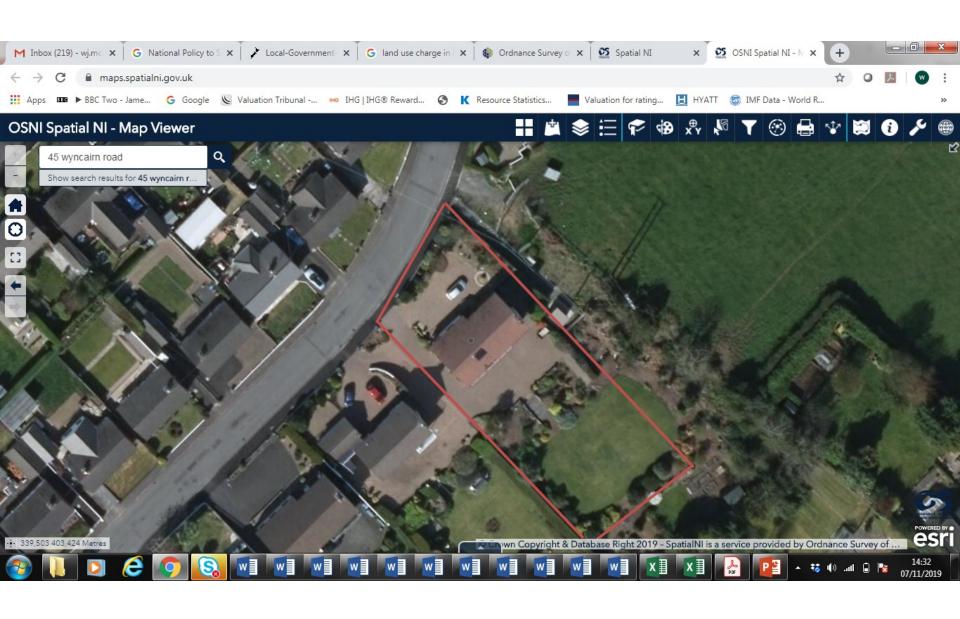




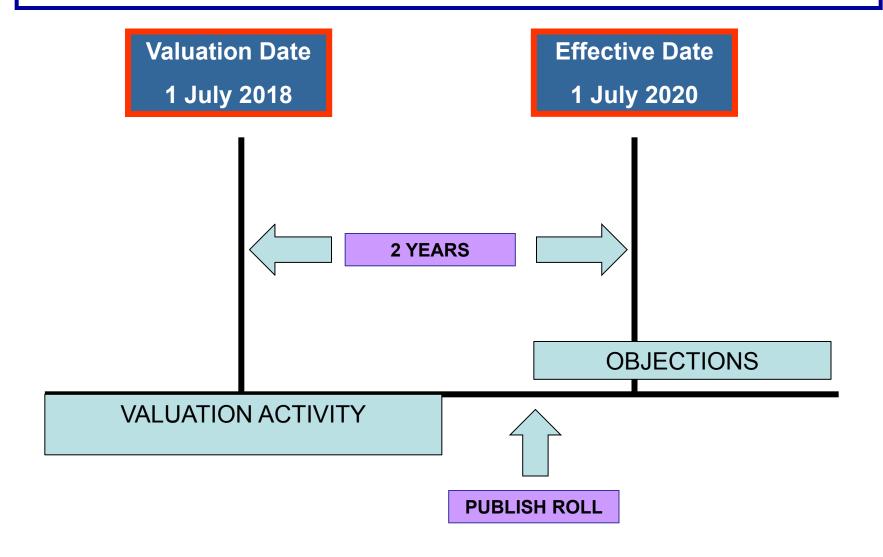
Property tax valuation concepts

- Date of valuation
 - All properties are valued with reference to the same date equity
- Effective date
 - The date the valuation roll becomes operational
- Valuation cycle
 - Annually; 3-yearly; 5-yearly; 10-yearly?
 - Extensions of the roll?
 - Indexation?
- Issues
 - Capacity?
 - Objection and appeal





Date of valuation and effective date



Valuation roll

- Valuation roll must list all properties in the municipality
- Following particulars must be reflected in respect of each property at date of valuation –
 - Unique description of the property (e.g. as in deeds register)
 - The relevant municipal property category
 - Name of the "owner" (as defined)
 - Physical address of property
 - Extent of the property (i.e. size)
 - Market value (if valued)
 - Any other prescribed particulars, use, exempt

Supplementary valuations

- Incorrectly omitted from the valuation roll
- Included in a municipality after the last general valuation
- New property e.g. subdivided or consolidated
- Value has substantially increased or decreased for any reason after the last general valuation
- Substantially incorrectly valued during the last general valuation
- Revalued for any other exceptional reason (e.g. change in category)
- Clerical error

General valuation process

- Process (for valuer)
 - Inventory
 - Data Collection
 - Market research
 - Modelling
 - Quality control







Objections and appeals

- Advertising of valuation roll minimum number of days
 - Official Gazette; local newspaper; web page
 - Individual notices?
 - Owners and other interested parties have right to inspect
- Objection minimum number of days
 - Formal legal process
 - Possible changes to original value
 - Reasons
 - Costs?
- Appeal minimum number of days
 - Relevant tribunal
- Payment whilst objection/appeal is pending?

Valuation - oversight

- To review the quality (accuracy, consistency, comprehensiveness, etc.) of the total valuation roll
- South Africa
 - "The Minister may monitor, and from time to time investigate and issue a public report on, the effectiveness, consistency, uniformity and application of municipal valuations for rating purposes."
- Valuers General in Australia and New Zealand

Valuation - data

Valuation (ownership of data)

South Africa's Local Government: Municipal Property Rates Act, 2004:

Copyright of valuation rolls and other data

"Section 85 – Copyright of valuation rolls and other documents produced by municipal valuers, assistant municipal valuers or data-collectors in the performance of their functions, and data collected by municipal valuers, assistant municipal valuers or data-collectors for the purpose of preparing valuation rolls, vests in the municipality concerned."

New Zealand – councils own the data

Data Collection

- One of most expensive activities
- Many diverse sources
- Government, utilities; all have constraints
- Two broad types of collection
 - Data capture (direct collection)
 - Data transfer

 Uniform & accurate valuation of property requires correct, complete and current property data.

Discernible trends?

Recent changes in respect of valuation services

- Central government to in-house: Lesotho
- Government to local government: Macedonia
- Government to private sector: Botswana, Malawi, Uganda
- Increased utilisation of computer-assisted mass appraisal (CAMA): Cameroon, Malaysia, Slovenia, South Africa
- Increased consideration of self-assessment as an option: Georgia, Liberia, Rwanda

Examples

British Columbia, Canada

- Crown agency (BC Assessment)
- Annual valuations of all properties in the province

United Kingdom

- Valuation Office Agency (VOA Great Britain; Northern Ireland)
- Non-residential: annual value
- Residential: capital value (England, Wales, Scotland = banded values;
 Northern Ireland = discrete capital values)

Western Australia

- Valuer General Office and Landgate
- Urban property: 3 to 5 yearly valuation cycles (rental values)
- Rural property: annual determination of unimproved land values

South Africa

- 'Municipal valuers'
- 'Market value' prescribed valuation cycles (4 + 1 and 5 + 2)

Conclusions

- Valuation is not an exact science
- Assessments are estimates of value and as such elements of subjectivity are difficult to remove completely
- Having sound and reliable assessments of value can contribute positively to equity and fairness of the property tax
- A credible objection and appeal process is an integral part of a modern value-based system



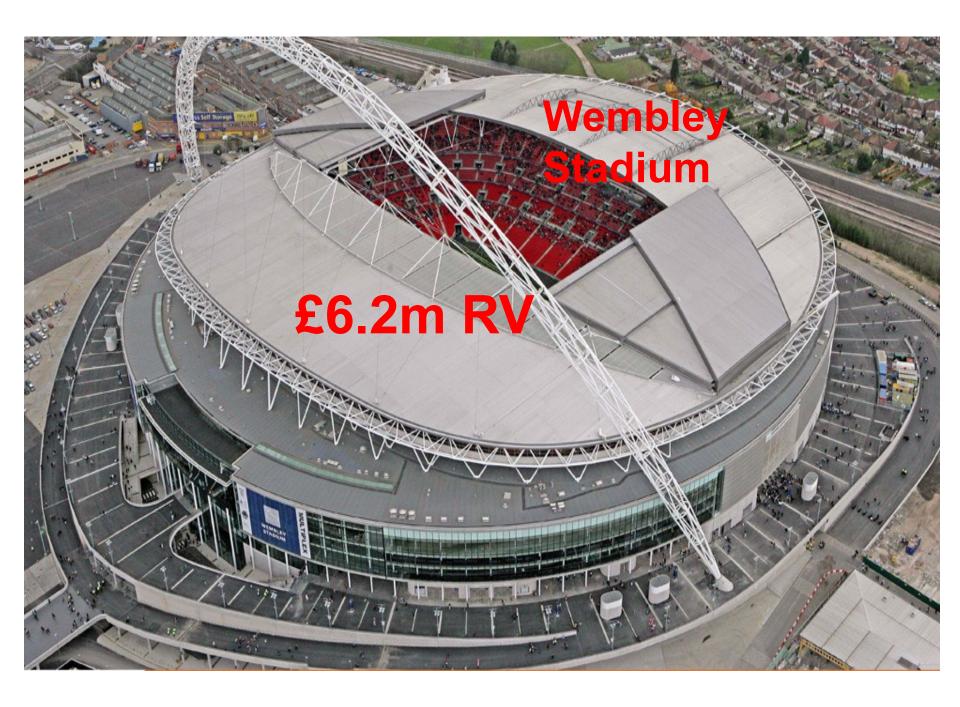


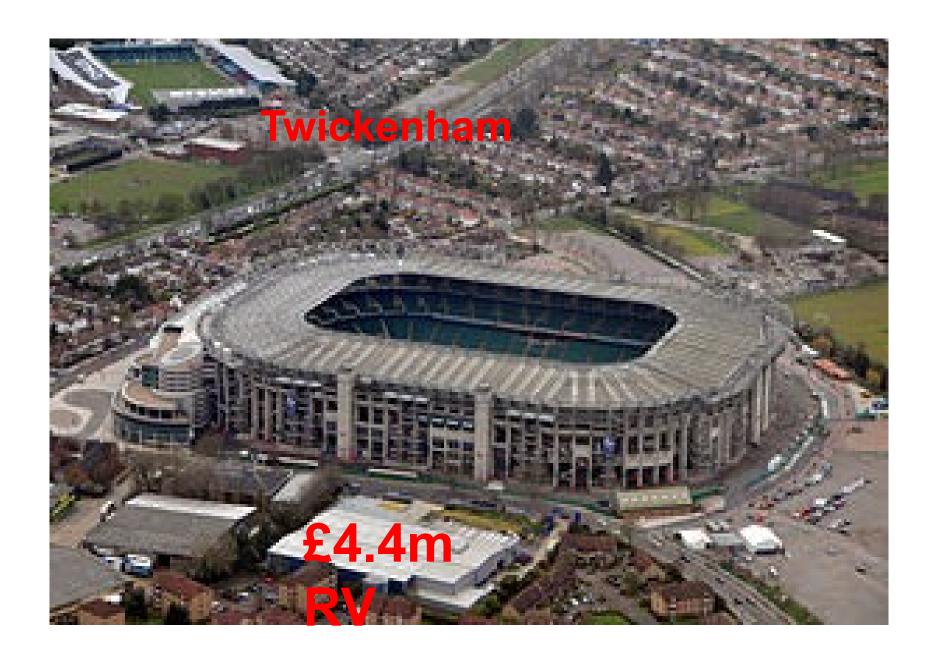


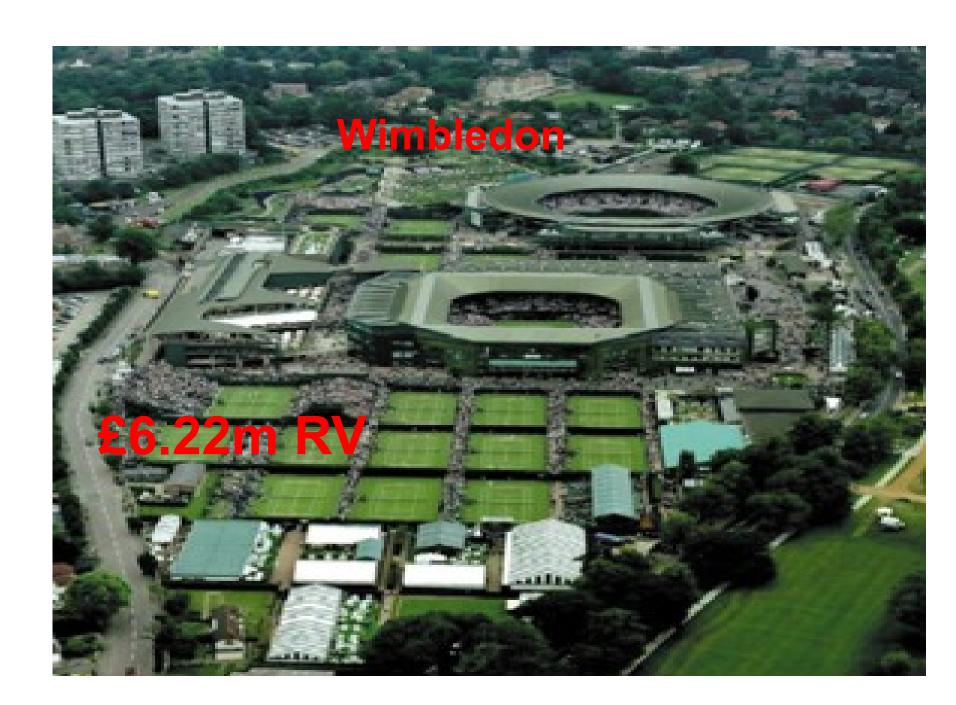


















TOWER OF LONDON - £1.79m



HOUSES OF PARLIAMENT - £14.7m



BUCKINGHAM PALACE - £1.3m



STONEHENGE – £700,000

