Risto Peltola National Land Survey, Finland

FIG Working Week 2011 Bridging the Gap between Cultures Marrakech, Morocco, 18-22 May 2011

Leasehold discount in dwelling prices

A neglected view to the challenges facing the leasehold institution

The leasehold instition

City of Helsinki owns 68 % of its land area (prior to changes in subdivision in 2010).

Public land has played and still plays an important role in housing.

220.000 people, or 40 % of the city population, lives on leased public land, either as tenants or owner-occupiers of apartments.

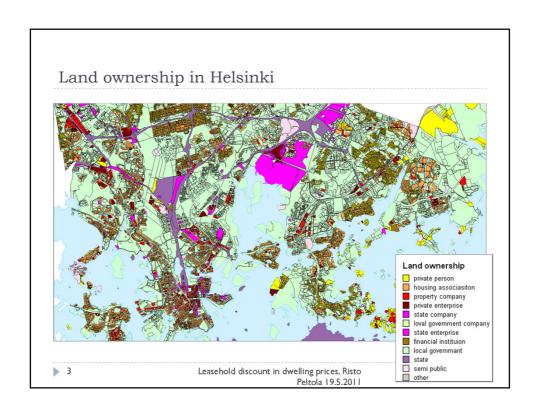
In Finland, as in many other countries, the most expansive years of public land leasing are behind.

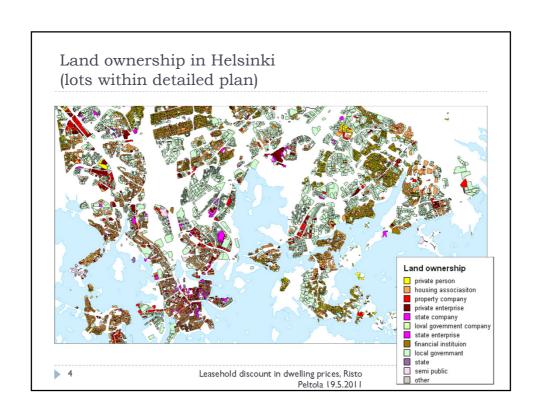
Most of the growth of Helsinki metropolitan area has for the last 40 years occurred in communities where leasing has only been a marginal form of land supply.

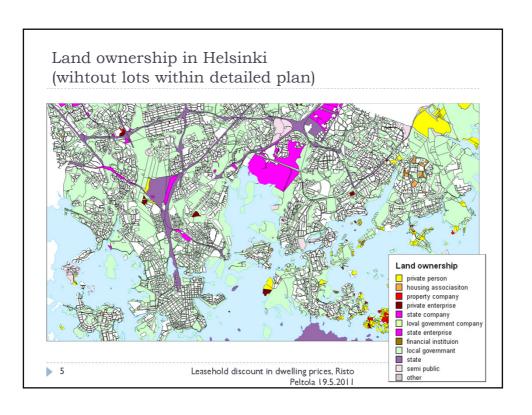
However, the vast stock of leased land needs management. Several problems arises: should the lease be extended for another 30-100 years? Or should the land be sold to the lessee, or to a third party? At what price?

How should the new rent and other terms be determined? How to handle the negotiations process, especially when the lessee claims to be ill-prepared to a rent rise? How to be fair between all lessees and the taxpayers and stakeholders of the city as a whole?

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The focus of this presentation: The leasehold discount in dwelling prices

This article focuses on a particular aspect of leasing land market, namely, sales of apartments that are built on leased land.

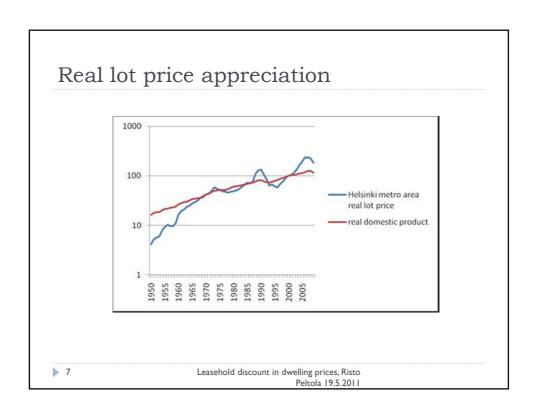
In dwelling prices, there is always an implicit price on land. In leasehold cases, there is always an implicit price on the lease contract.

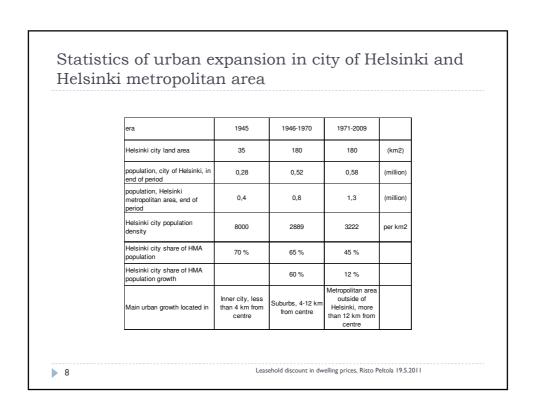
What do the selling prices of dwellings tell us about the value of the lease contract? And what is most interesting, what is told about a contract, where the lease term is about to expire?

These questions have become very acute, as the 60-year lease contracts of the 1950-ies are to be extended, or otherwise dealt with.

The lease payments of the 1950-ies are all but nominal today, as the land prices were low at the time of contract, and have since then increased 30-100-fold in real terms, and lease payment have only increased with general price level.

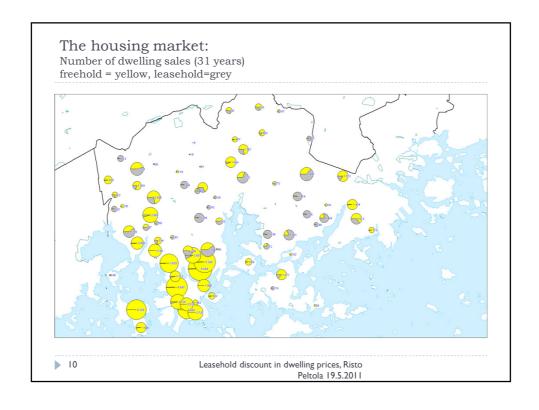
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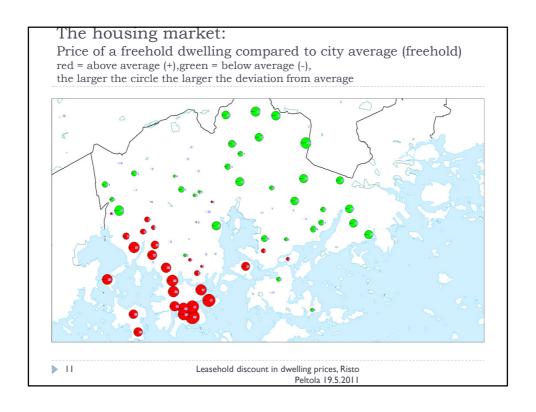




Public land leasing as a tool to manage urban housing problems in city of Helsinki and Helsinki metropolitan area

| Public land leasing as a tool to manage urban housing marginal: first leases in the 1920-les | more than half of new housing construction and more than a third of new owner-ozzuped housing were on public leasedhold | Helsinki MA | no | marginal | marginal | marginal | marginal | |





The data

The dwelling sales data consists all dwelling transactions in Helsinki in 2008 in multi-family buildings (blocks of flats). Descriptive statistics is given in pages 15 and 25, where the results of the analysis are also found.

Land price data consists of all lot sales in Helsinki in years 1985-2009.

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Specification of variables

Leasehold discount in dwelling prices (constant quality) (%, e/m2)

For each dwelling in a leasehold lot, a dwelling price is estimated assuming the lot is freehold. Leasehold discount is then calculated simply as a diffrence between the estimated and actual selling prices. In the price model these variables were controlled: zip code, age of building, quality of dwelling (good, average, poor), floor number of the dwelling and number of floors in the building. The price model also controls the fact that the depreciation is slower the more expensive the area is due to better maintenance.

Land price

Land price on the dwelling lot was estimated with a rather rough price model, which only controls distance to city centre, lot size and lot ratio. Some rather important variables are omitted, e.g. distance to seashore. The model was fit to a very large dataset of all lot sales in Helsinki during years 1985-2009.

Implicit land share of dwelling price (%, freehold)

is a ratio of lot price (€/m2) estimate and actual dwelling selling price in a freehold lot, both measured per dwelling area unit (m2).

Implicit land price (% of actual) in leasehold sales

is calculated as a fuction of lot price (€/m2) and dwelling prices in freehold and leasehold lots:

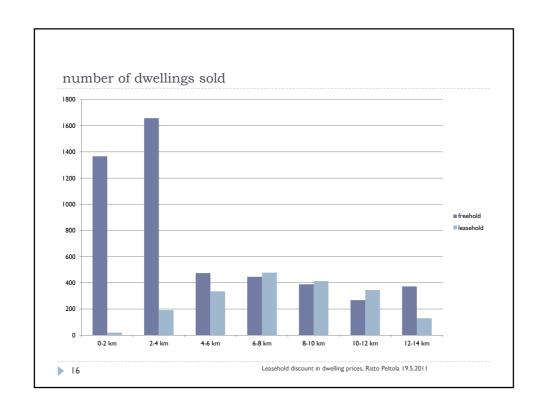
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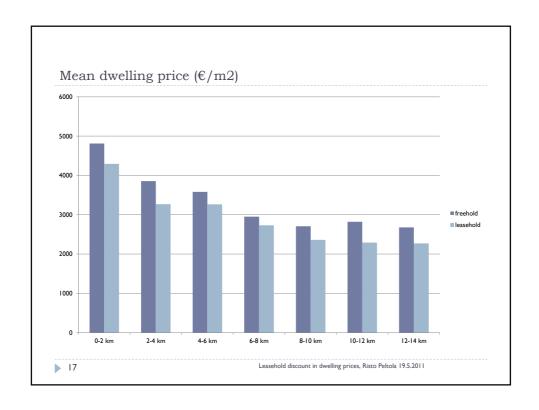
Leasehold discount in dwelling prices, Risto Peltola 19.5.2011

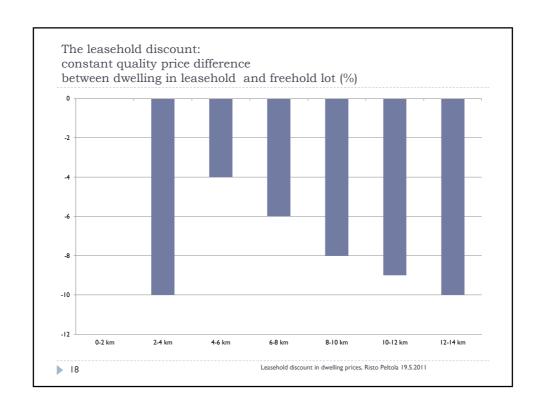
Implicit land price (% of actual) in leasehold sales

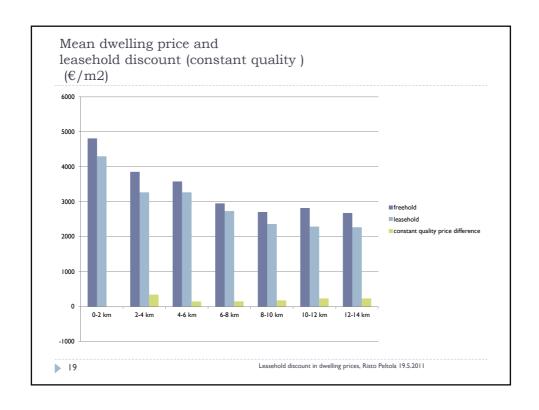
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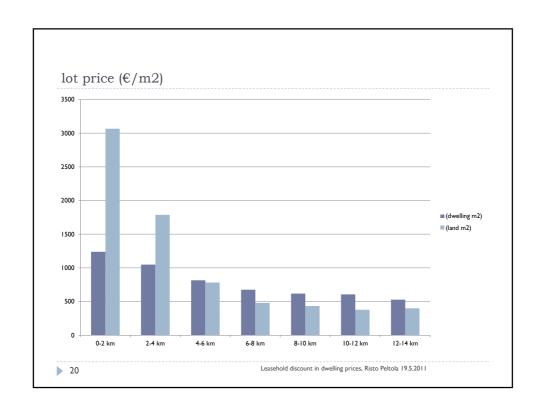
of magnitude	re or dista	lIIL I	ron	1 11	τ, τ	ne (118	CO	unt 1	s in	the same order
			ber of ngs sold	dwelling price €/m2			Leasehold discount in dwelling prices (constant quality)		share of dwelling price	implicit land price (% of actual) in leasehold sales	
		owne		ownership							
		freehold	public leasehole	d free	ehold 1	public easehold	(%)	€/m2	Mean	Median	
	distance to city centre										
	0-2 km	1367	2	0	4815	4298	(17		91	
	2-4 km	1658	19	-	3856	3270	-10	_	_	60	
	4-6 km	475	33	-	3582	3267	-4	_		84	
	6-8 km	447	47	-	2953	2731	-(_	_	77	
	8-10 km	389	41	-	2706	2360	-8	_	_	70	
	10-12 km 12-14 km	268 374	34 13	-	2820	2291	-9 -10	_	24	57 42	
	12-14 KIII	374	13	0	20/9	22/1	1 -10	-230	23	42	
		lot p	lot price			expenses			old effect		
		(€/m2)			(€/m2/month) on e		xpenses		
		(dwelling m2)	(land m2)	lot ratio	01	ownership		(%)	m2/month	vintage	
		Mean	Mean	Mean	freeho	pub old leasel		Mean	Mean	Mean	
	distance to city centre										
	0-2 km	1240	3067	292	2.	.80	3.35	61	1.46	1933	
	2-4 km	1049		216	-	_	3.37	12	0.33		
	4-6 km	816	-	122	_	-	3.35	12	0.29		
	6-8 km	676	_	84		_	3.19	16	0.38		
	8-10 km	619		84	_	-	3.24	18	0.45	-	
	10-12 km	607	_	74	-	_	3.37	21	0.55		
	12-14 km	530	401	90	2.	.80	3.27	25	0.64	1983	

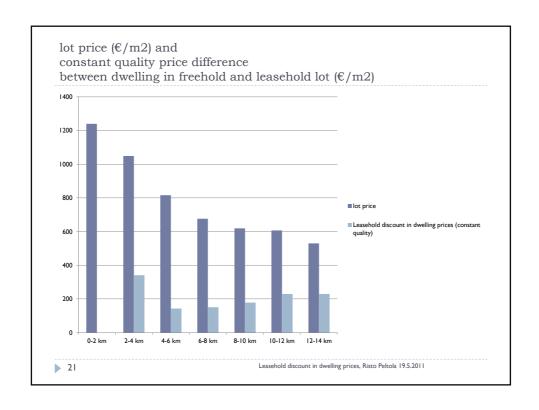


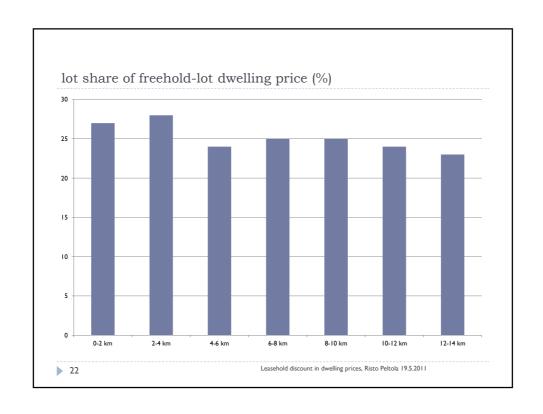


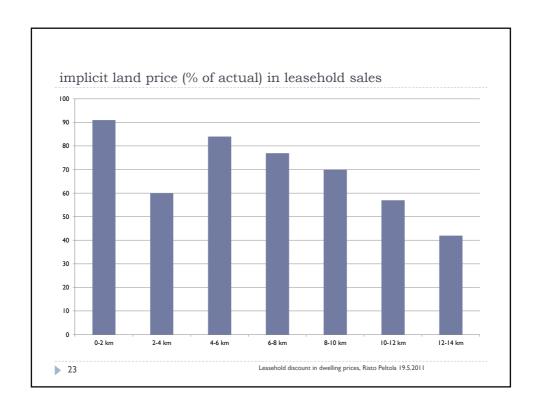


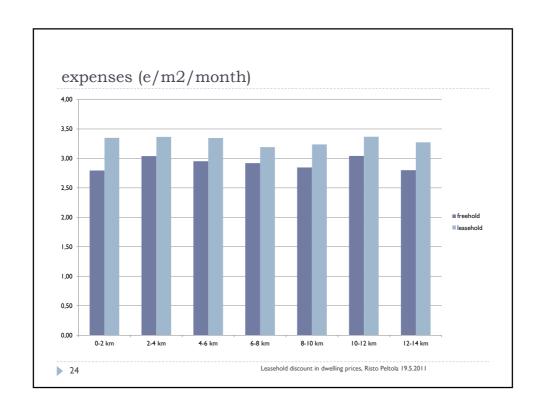


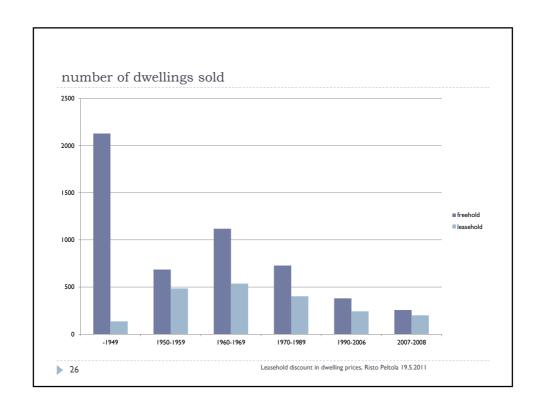


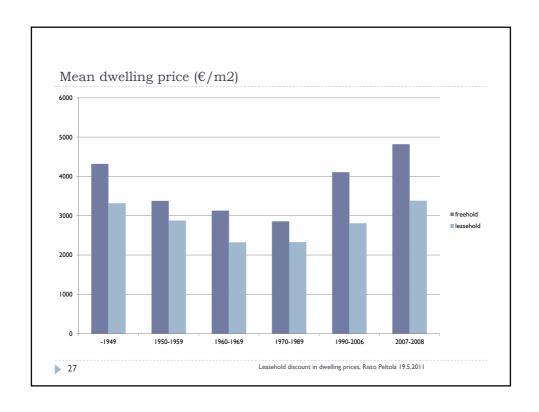


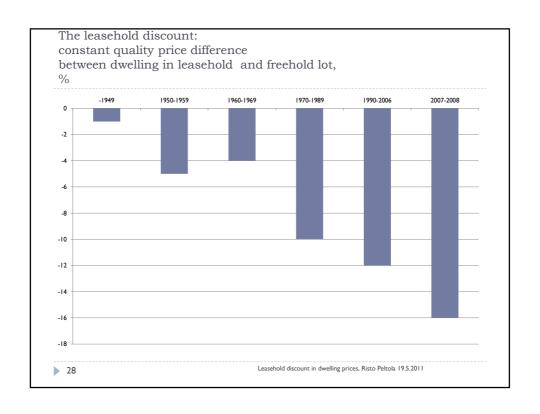


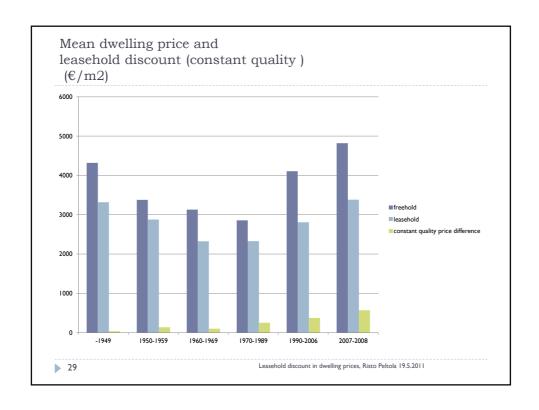


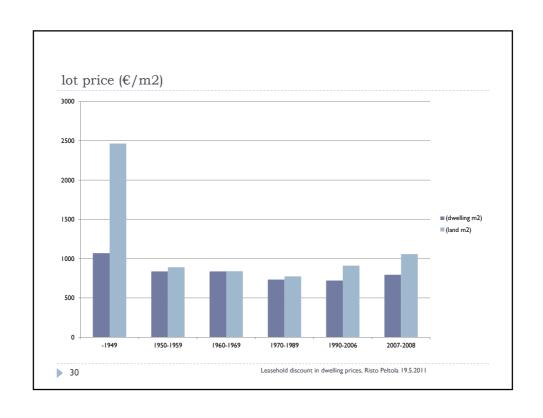


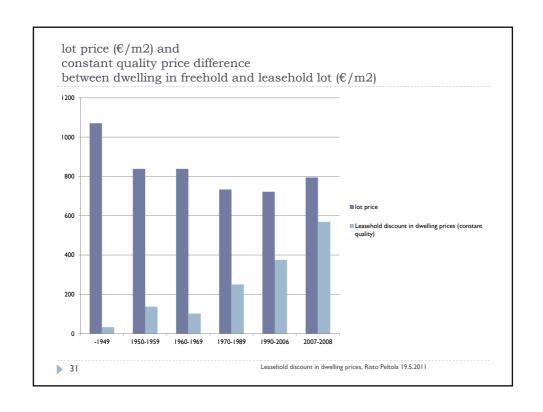


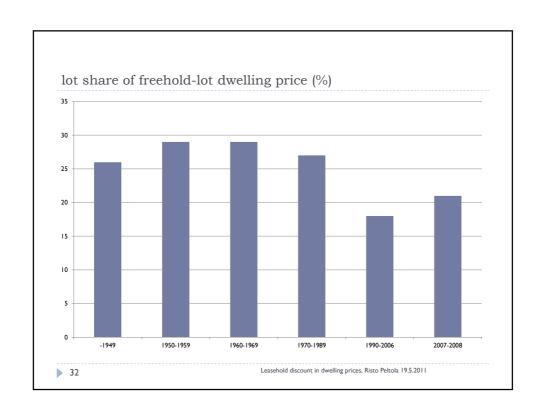


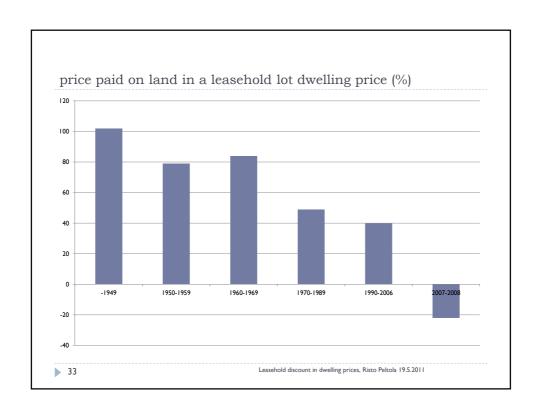


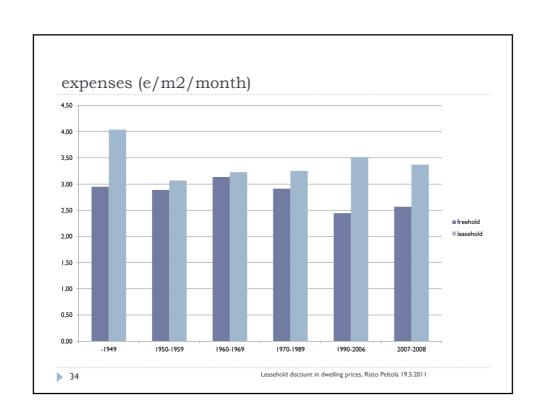


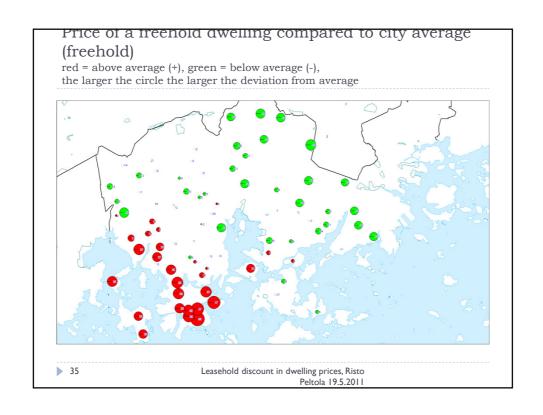


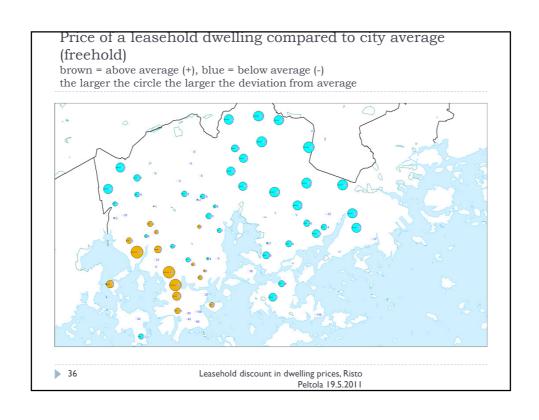


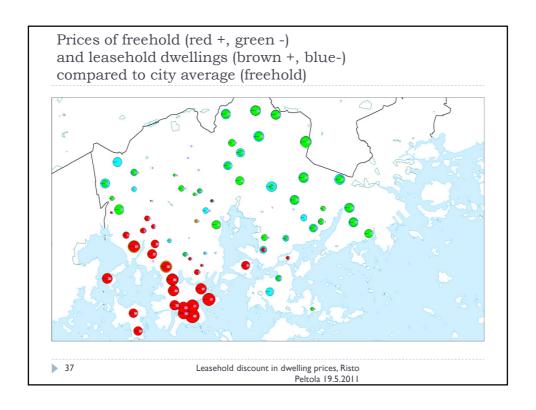


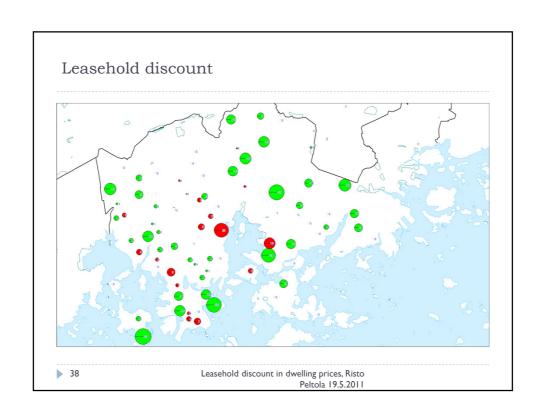












Summary of results:

Leasehold discount in dwelling prices

Dwellings in leasehold lots are cheaper than dwellings in freehold lots. On the average, the leasehold discount is 7 %.

This is a rather low figure given that the land share of freehold dwelling prices in Helsinki suburbs is about 25 %.

The leasehold discount does not significantly depend on location.

The leasehold discount DOES significantly depend on the age of the leasehold contract: the older the contract, the less the discount.

In contracts of the 50-ies and 60-ies the leasehold discount was 4-5 %.

In sales with more recent leasehold contract, the discount was 12-16 %. Even the latter figures are considerably lower than land price.

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Leasehold discount in dwelling prices, Risto Peltola 19.5.2011

Policy implications

Dwelling buyers of leasehold lots have paid an implicit land price, which in typical older contracts is 80 % of actual land price. This implies, that the lessees feel already as if they were the true owners of the lot.

They would probably not be willing to offer more than 20 % of the market value of the lot, if the lessor were willing to sell the lot.

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Policy implications (some considerations not directly involved with the analysis are also taken into account)

As to lease increases, the lessees have been used to moderate, often nominal, annual payments, and claim not to have foreseen large increases in annual payments. Payments that reflect the market value of lot, valued as freehold and without buildings, would make the lessees unsatisfied, and such increases would probably be tested in court.

The city government understands this and lease increases have been at below-market rent level. However, even this level is more than many apartment buyers have foreseen. In these cases, the apartment buyers will be punished for their ignorance. Even some of these below-market rent level new rents will probably be tested in court.

Selling leasehold land should not be excluded from the policy tool-box. The city would get the sales price in the first instance, and annual property taxes thereafter. (An additional benefit would be a more even playing field for property taxation. An increase in property taxes have been called for by many.) The problem is, if the city decides to sell, it's hard to avoid bargain prices, even very low prices.

There is scope for more income from public land holdings to distressed local government. But it won't be easy, given the high prices paid on dwellings on leasehold land.

For transparency reasons, my advice is to use the market value of the lot as a benchmark for all leasing. The annual ground rent, which has been 4 % for residential lots in Helsinki, could then be used as policy parameter. This 4 % is rather high given some international comparisons (Sweden), and risk-free rate of interest and the fact that leasehold payment is not tax-deductible unlike mortgage payment of bankloans on freehold lots. Perhaps 3 % would be more equal. In lease-renewals, a 2 to 2½ % rent would soften the impact of applying lot market values as benchmarks.

Thank you!

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