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Social house renovation: satisfaction and energy
reduction

Dujuan Yang, Eindhoven University of Technology

Stavanger, 23 September 2019



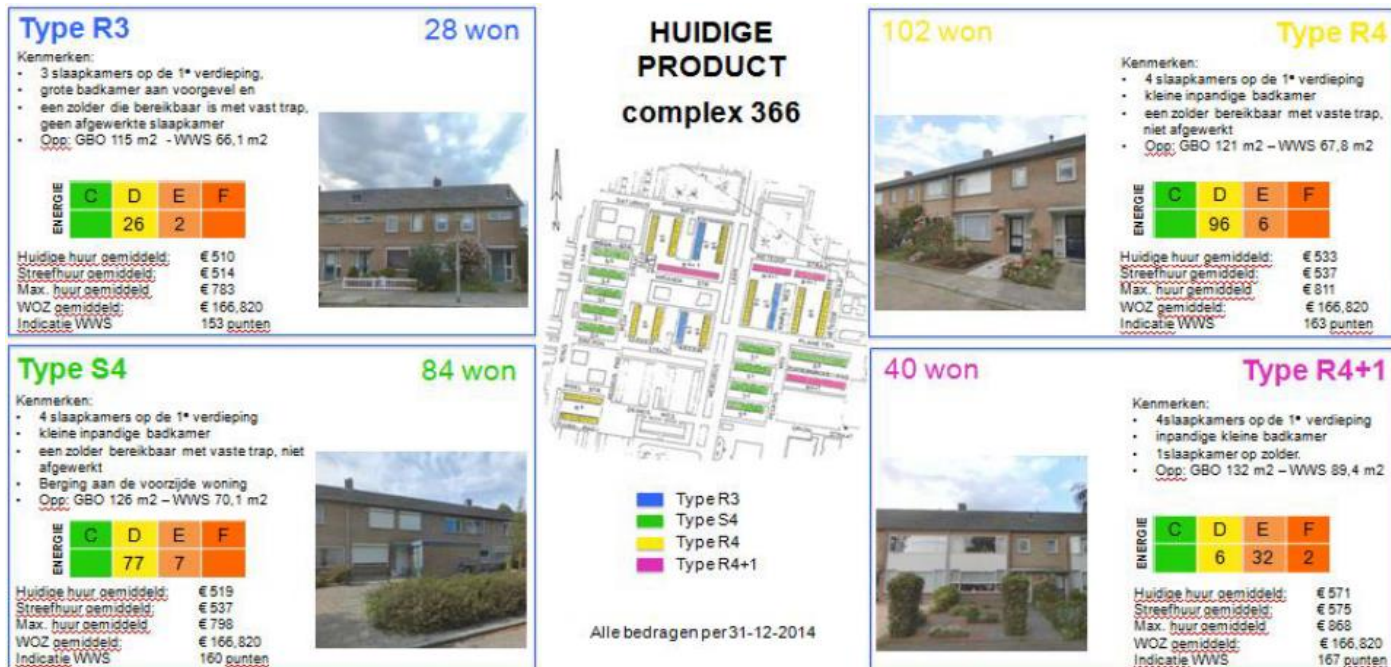
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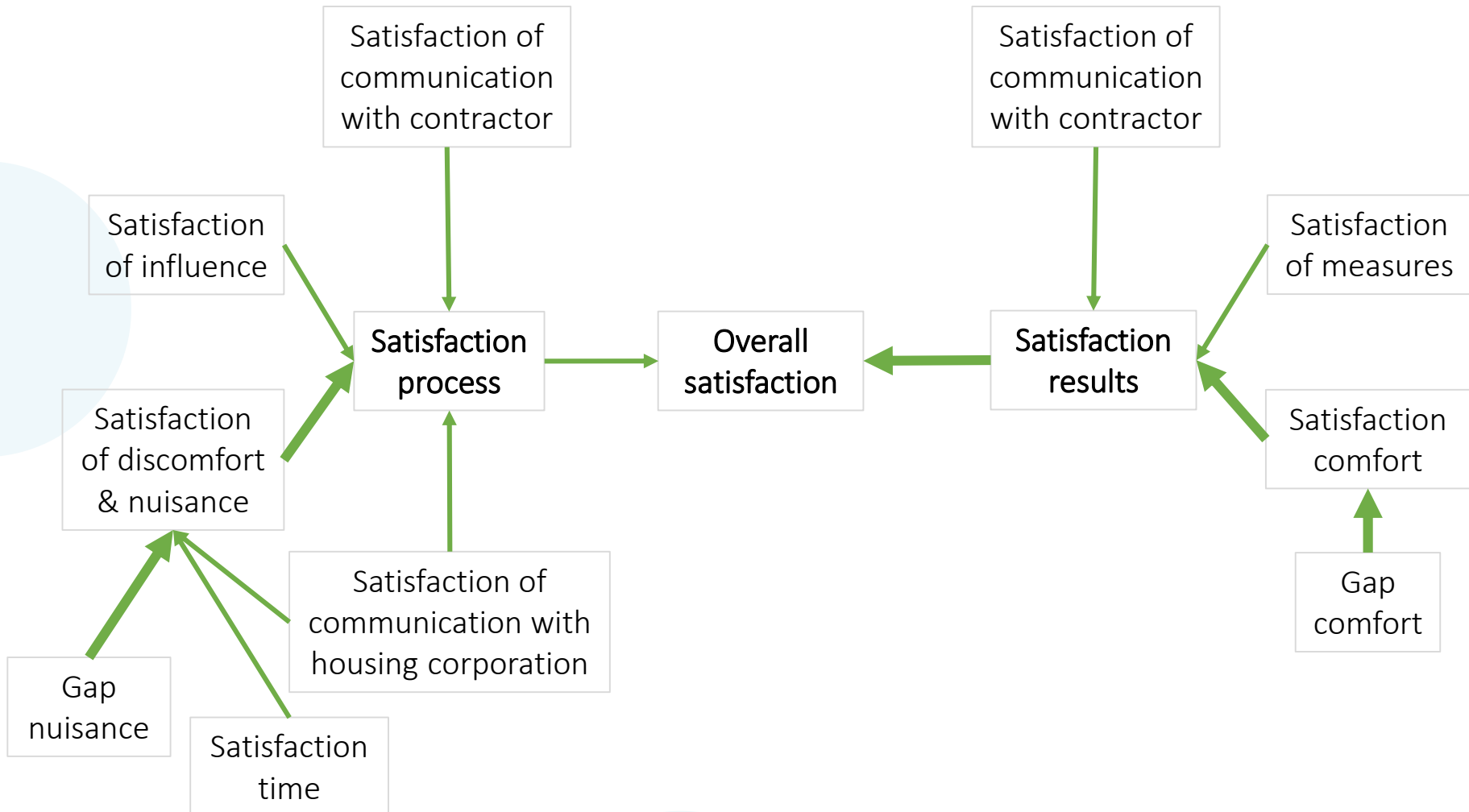
Social house renovation in the NL

Current situation

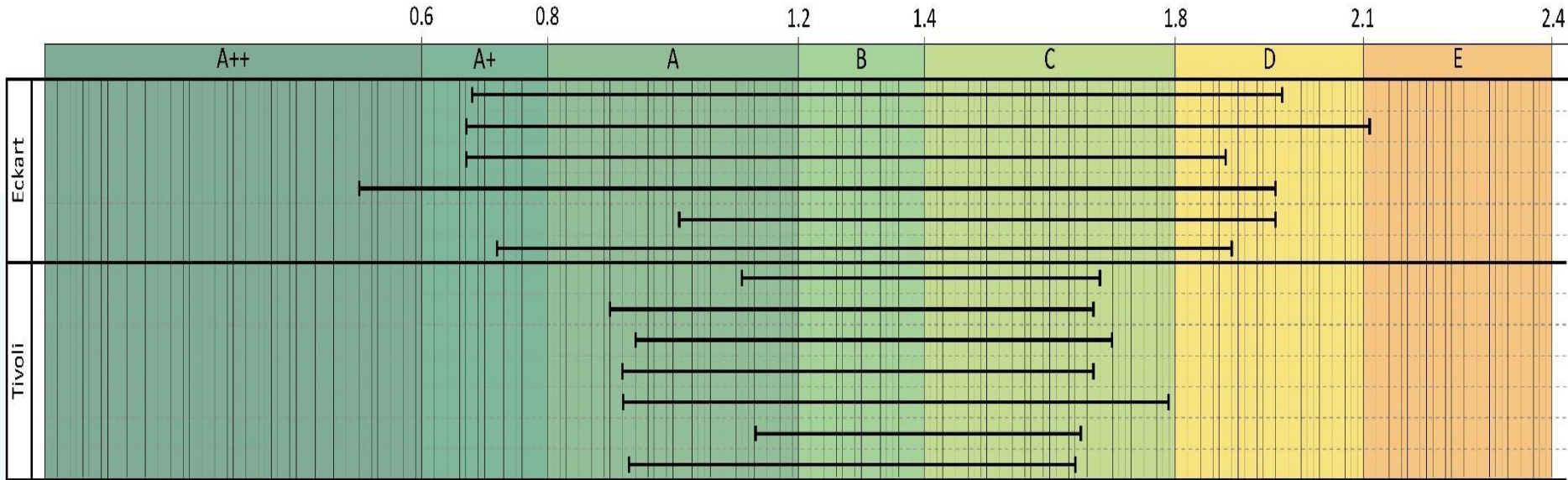
- 2.4 million dwellings in procession for social house sector
- Low comfort level and low energy label
- 70% acceptance rate for renovation (including rent increase)
- Landlord/tenant dilemma - the energy label, compulsory savings and the rent act.



Satisfaction of renovation



Energy reduction after renovation



	Theoretical (Energy label)	Actual	
Eckart	-63.50	-20.17	Yes,
Tivoli	-42.86	-37.43	saving
	t(11) = -5.208 Sig. = 0.000	t(11) = 1.831 Sig. = 0.094	

Rebound?



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