

New Energy Efficient Housing Has Reduced Carbon Footprints in Outer but Not in Inner Urban Areas

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Table 5. Scope and boundaries of the carbon footprint model

COICOP - Classification of individual consumption according to purpose		Additions
01-12	Individual consumption expenditure of households	
01	Food and non-alcoholic beverages	
01.1	Food	
01.2	Non-alcoholic beverages	
02	Alcoholic beverages, tobacco and narcotics	
02.1	Alcoholic beverages	
02.2	Tobacco	
02.3	Narcotics	
03	Clothing and footwear	
03.1	Clothing	
03.2	Footwear	
04	Housing, water, electricity, gas and other fuels	Expenses of housing companies €/m2
04.1	Actual rentals for housing	Emissions from construction, CO2-eq kg/m2
04.2	Imputed rentals for housing	
04.3	Maintenance and repair of the dwelling	
04.4	Water supply and miscellaneous services relating to the dwelling	
04.5	Electricity, gas and other fuels	
05	Furnishings, household equipment and routine household maintenance	
05.1	Furniture and furnishings, carpets and other floor coverings	
05.2	Household textiles	
05.3	Household appliances	
05.4	Glassware, tableware and household utensils	
05.5	Tools and equipment for house and garden	
05.6	Goods and services for routine household maintenance	
06	Health	
06.1	Medical products, appliances and equipment	
06.2	Outpatient services	
06.3	Hospital services	
07	Transport	
07.1	Purchase of vehicles	
07.2	Operation of personal transport equipment	Process LCA data on motor fuels
07.3	Transport services	
08	Communication	
08.1	Postal services	
08.2	Telephone and telefax equipment	
08.3	Telephone and telefax services	
09	Recreation and culture	
09.1	Audio-visual, photographic and information processing equipment	
09.2	Other major durables for recreation and culture	

09.3	Other recreational items and equipment, gardens and pets	
09.4	Recreational and cultural services	
09.5	Newspapers, books and stationery	
09.6	Package holidays	
10	Education	
10.1	Pre-primary and primary education	
10.2	Secondary education	
10.3	Post-secondary non-tertiary education	
10.4	Tertiary education	
10.5	Education not definable by level	
11	Restaurants and hotels	
11.1	Catering services	
11.2	Accommodation services	
12	Miscellaneous goods and services	
12.1	Personal care	
12.2	Personal effects n.e.c.	
12.3	Social protection	
12.4	Insurance	
12.5	Financial services n.e.c.	
12.6	Other services n.e.c.	

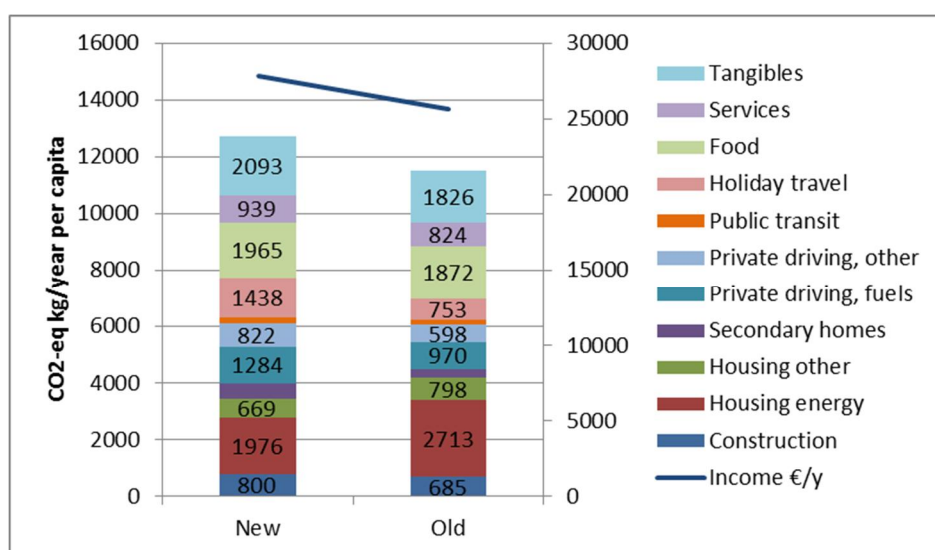


Figure 2. Comparison of carbon footprints of owner-occupiers in new (constructed 2003-2012) and old (constructed before 2003) buildings in inner urban areas

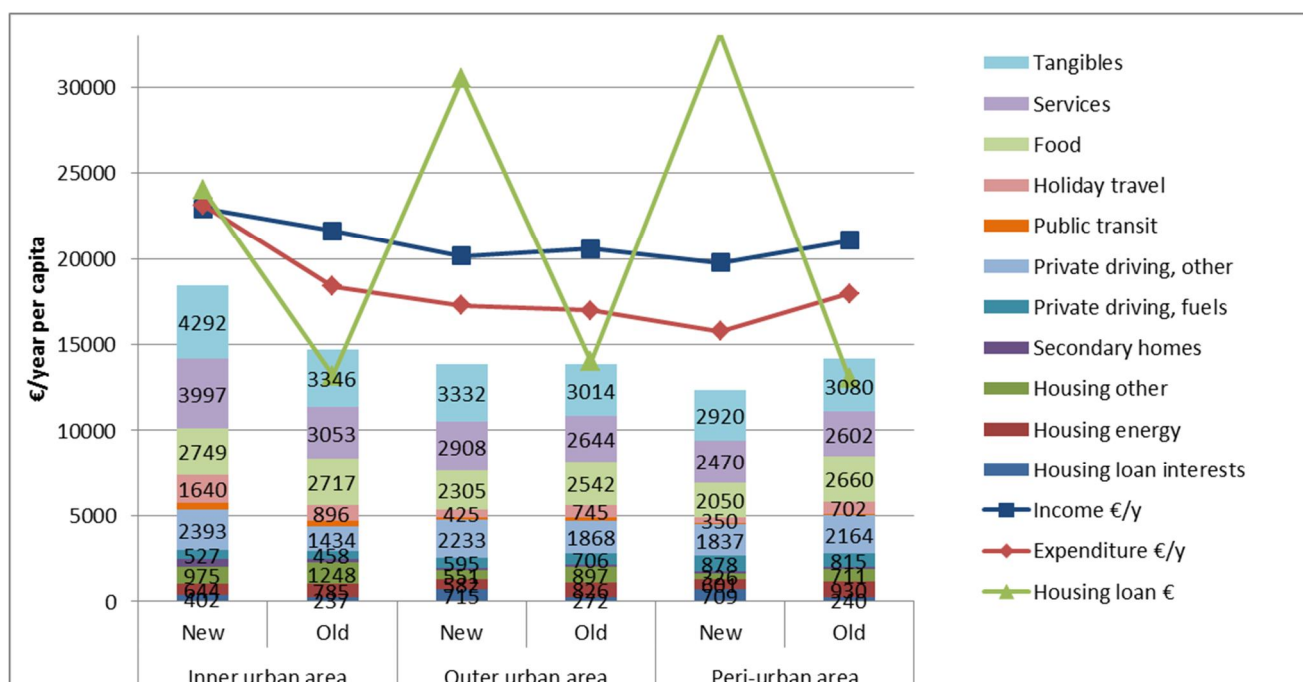


Figure 3. Comparison of average housing loan, income and expenditure per capita of residents living in new (constructed 2003-2012) and old (constructed before 2003) buildings in the three studied urban forms. Expenditure (red line) includes rentals and imputed rentals of owner-occupiers.