

This Presentation:

- 3 types of carfree development
- Examples from around Europe

Discussion

- Benefits of Carfree Development
- Comparison with Low Car Development

European Style Carfree Development:

- Traffic-free residential area
- Designed around travel by other modes (inc. car clubs)
- Limited parking*, separated from the housing

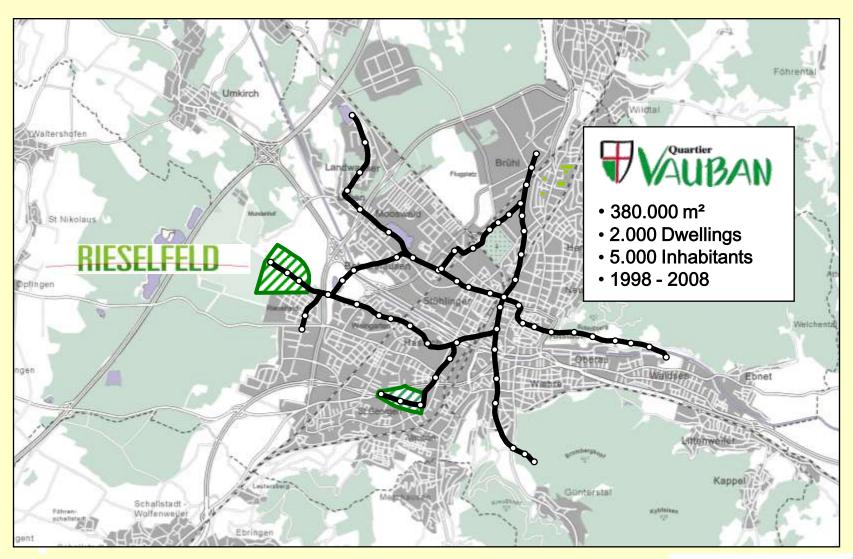
^{*} Typical ratio 0.2, Vauban 0.5

3 Types of Carfree Development

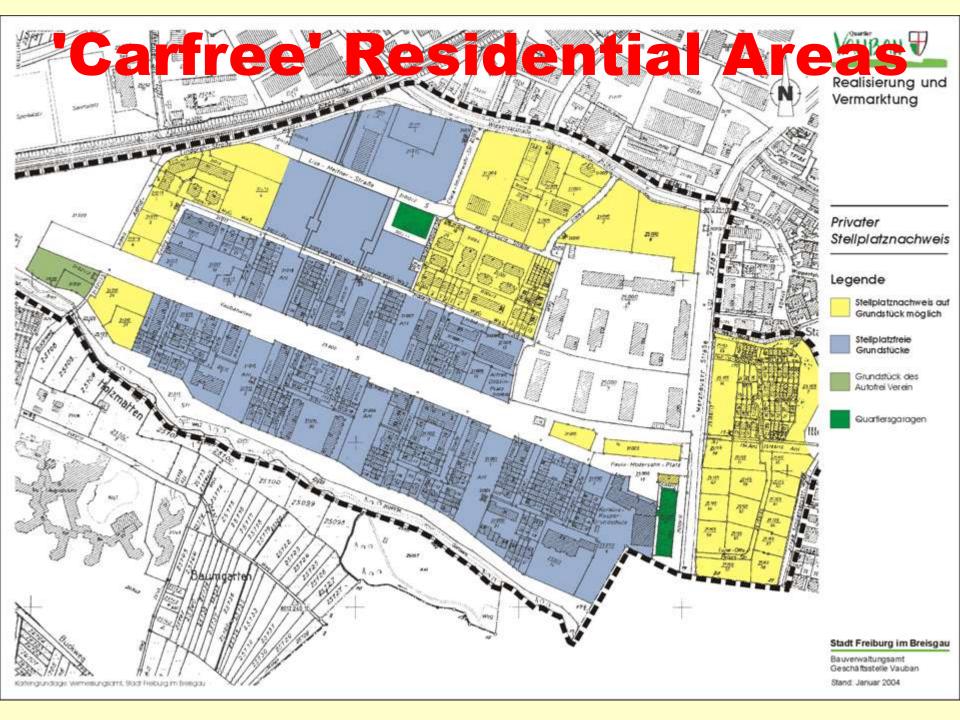
- 1. Vauban (Stellplatzfrei)
- 2.Limited Access
- 3.Pedestrianised Centres with Residents

Vauban – 2,000 dwellings

New Urban Districts











- Vehicles walking pace pick up/deliver
- No parking (some infractions)
- Absolute priority for children playing





2) Limited Access Type: Stellwerk 60, Cologne

Stellwerk 60

- 4.2ha 400 units inc 70 houses
- 70% owned









Exceptions made for:

- Emergency vehicles
- Maintenance vehicles
- Minibuses for older and disabled people
- Removals vans
- In exceptional circumstances: other large deliveries e.g. furniture

Exceptions NOT made for:

- Regular deliveries
- Taxis
- Private cars (even for older or disabled people)



Amsterdam-Westerpark: GWLterrein

inner city

1990-1998

591 flats

+ commercial uses

Parking ratio: 0.2

waiting lists

50% rental,

50% owner occupied

www.autofrei-wohnen. de - www.worldcarfree.net



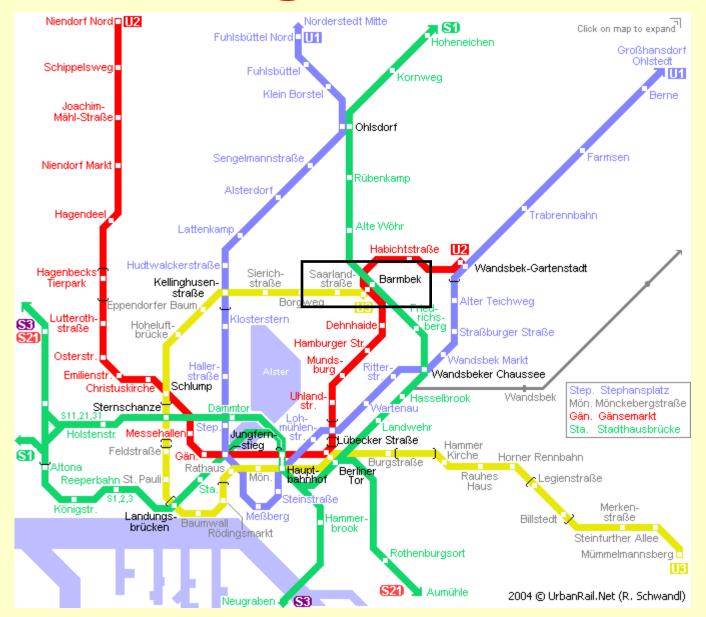






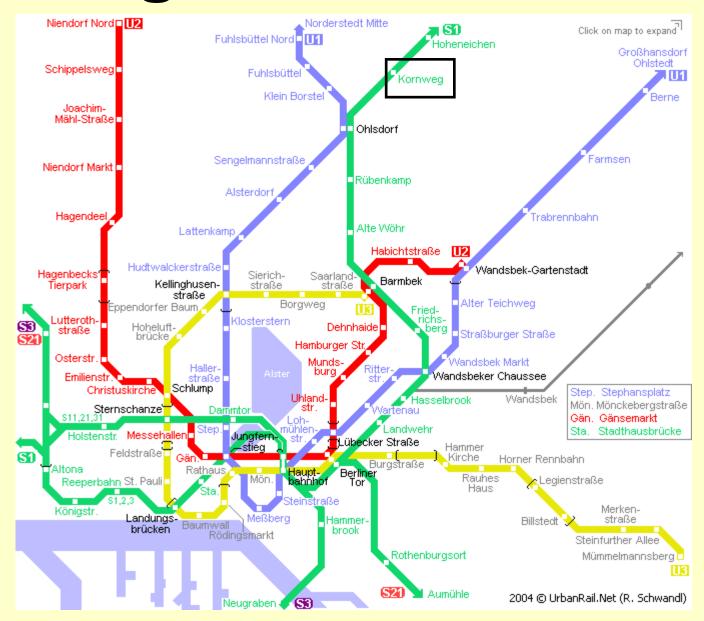
Hamburg Saarlandsrasse, 111 flats

Hamburg U & S Bahn





Kornweg – 10km from Centre





Edinburgh-Gorgie: Slateford Green

edge of the inner city

1995-2005

120 housing units

social rent, shared ownership

eco architecture

www.canmore-housing.org.uk

Edinburgh-Gorgie: Slateford Green

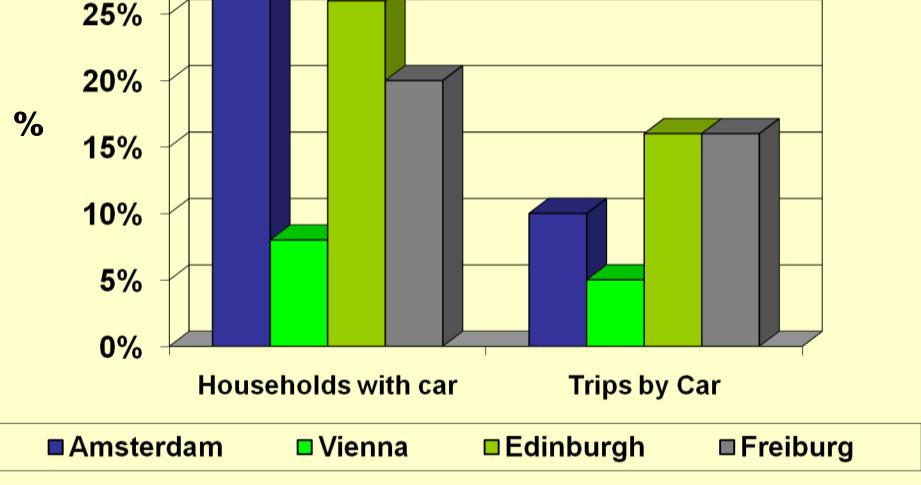


Edinburgh-Gorgie: Slateford Green



Modal Share European Carfree Areas

30%

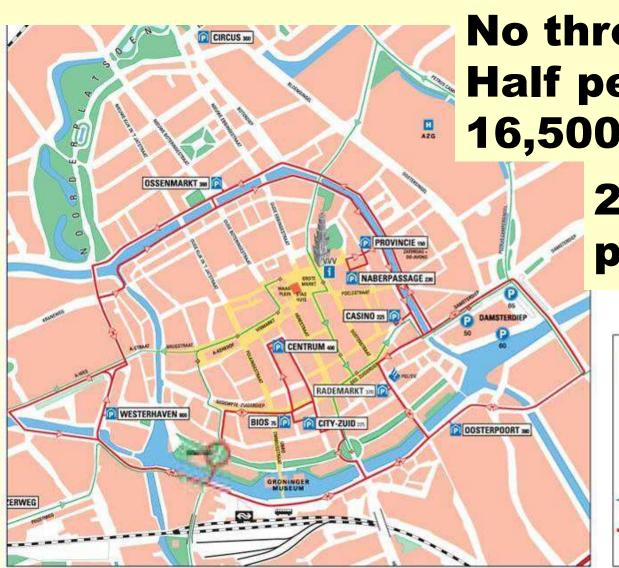


Sources: Scheurer (2000), Bouvier (2005). Freiburg car ownership estimate by Forum Vauban.



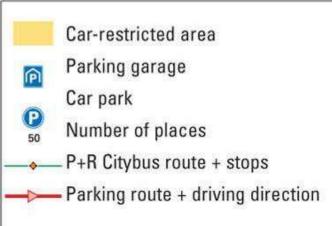
3) Pedestrianised Centres: Groningen

Groningen (NL) City Centre



No through traffic Half pedestrianised 16,500 residents

2,300 residents parking spaces





Some parts pedestrianised



Limited vehicular access on some streets



Groningen inner Ringroad



Overnight queue to buy phase 1: March 2007



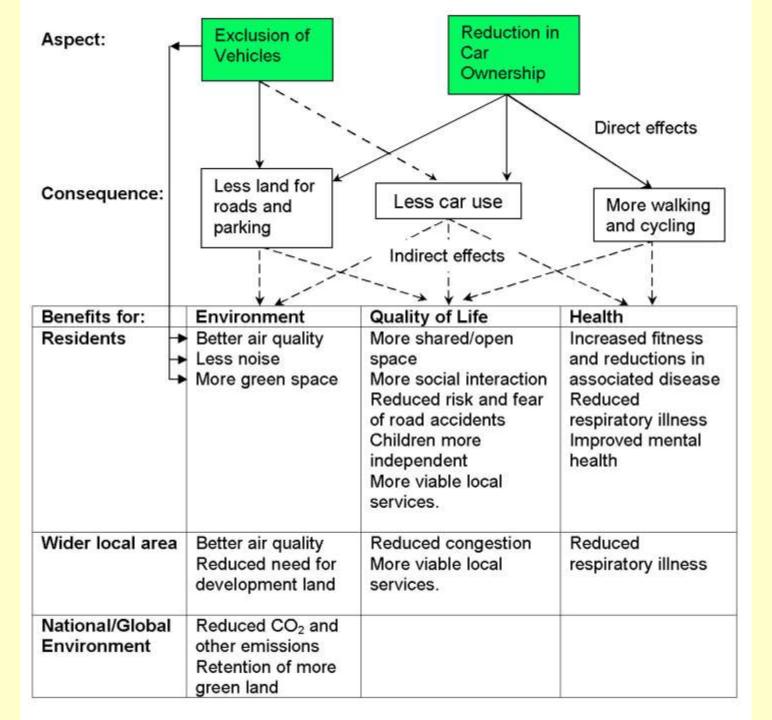
Discussion

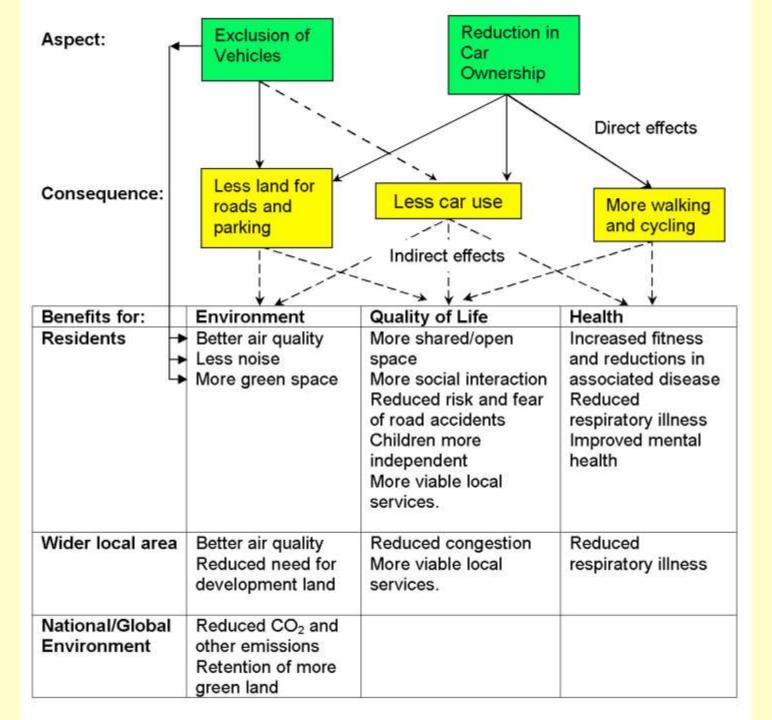


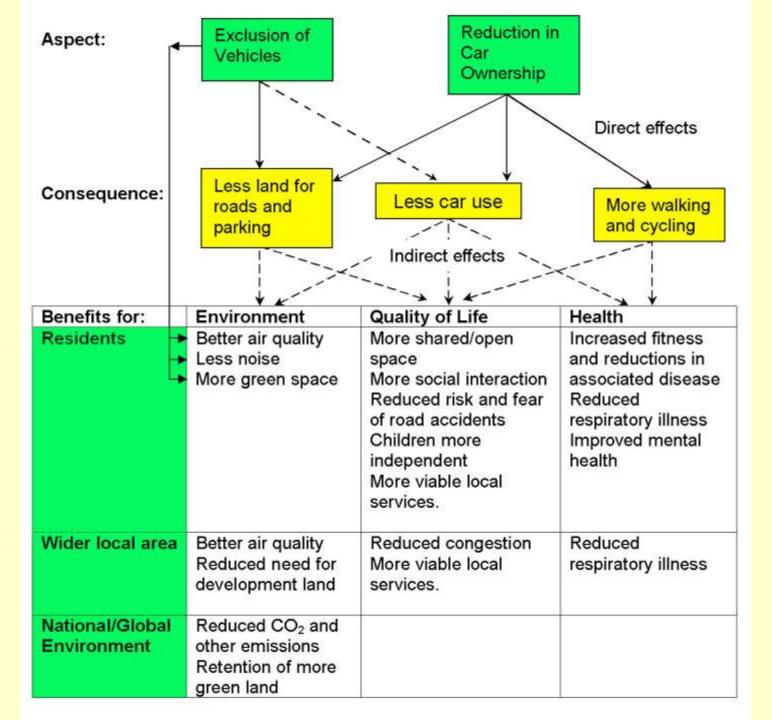
Benefits of Carfree Development

- Reduces traffic particularly in dense urban areas
- More efficient land use
- Provides a better urban environment, esp. for children









Carfree Developments can be Implemented Where:

- Public transport good enough
- Services accessible (high density areas)
- Parking can be controlled in surrounding area
- Potential demand



UK Research: Target Groups

(based on European experience)

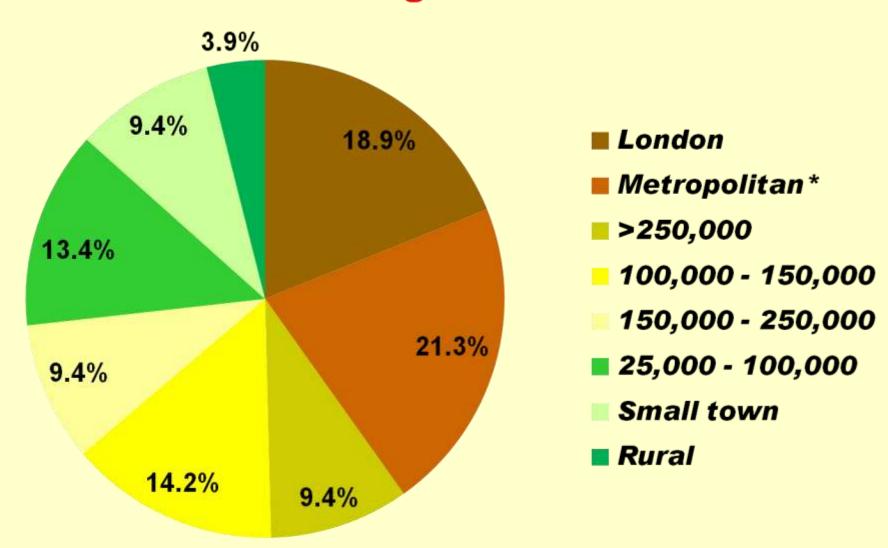
1. Carfree Choosers:

People who live without a car by choice

2. Carfree Possibles:

People who say they would like to give up their car under certain circumstances (and have actually done this in the past)

Carfree Choosers Interested in Carfree Neighbourhoods





So what can be done elsewhere?

3 Principles:

- Traffic-free residential area
 - → health, social benefits, increases property values
- Separated parking
 - -- reduces local trip generation
- Limited parking, car ownership
 - → biggest effect on traffic

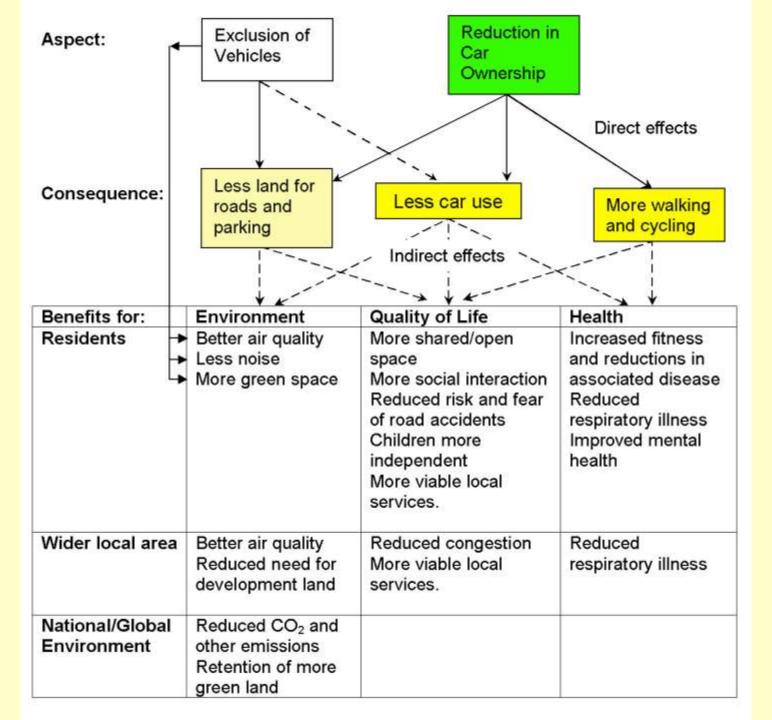


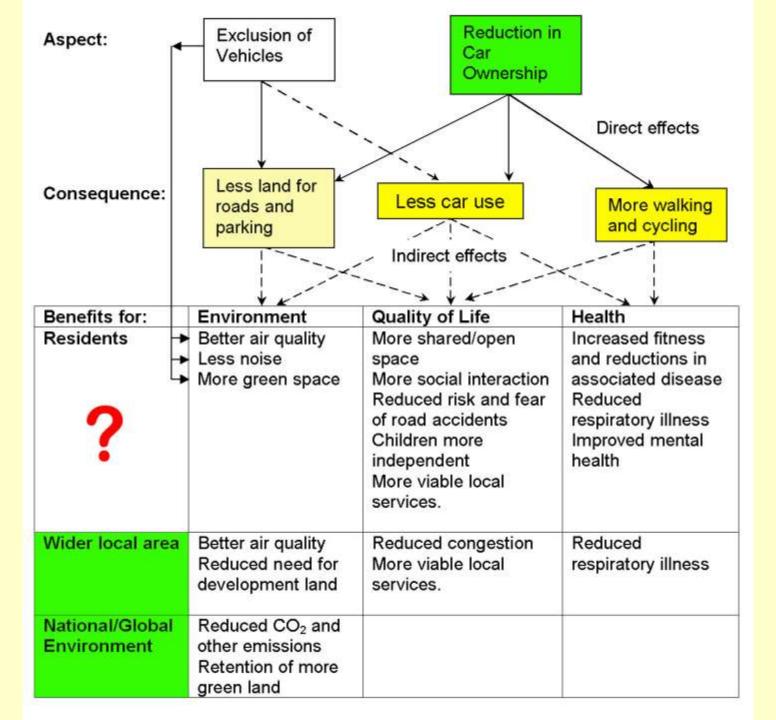
Low Car Housing - Poole Quarter

UK concept: 'car free housing'



(Farringdon, L.B. of Camden)





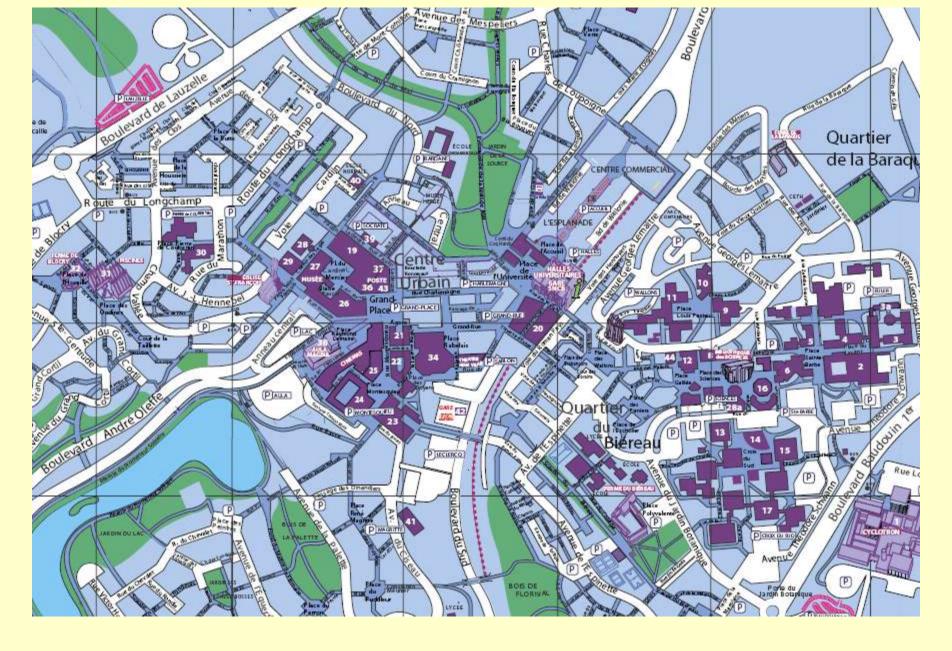
Implications for Property Prices







Louvain la Neuve, Belgium - 'ville piétonne'



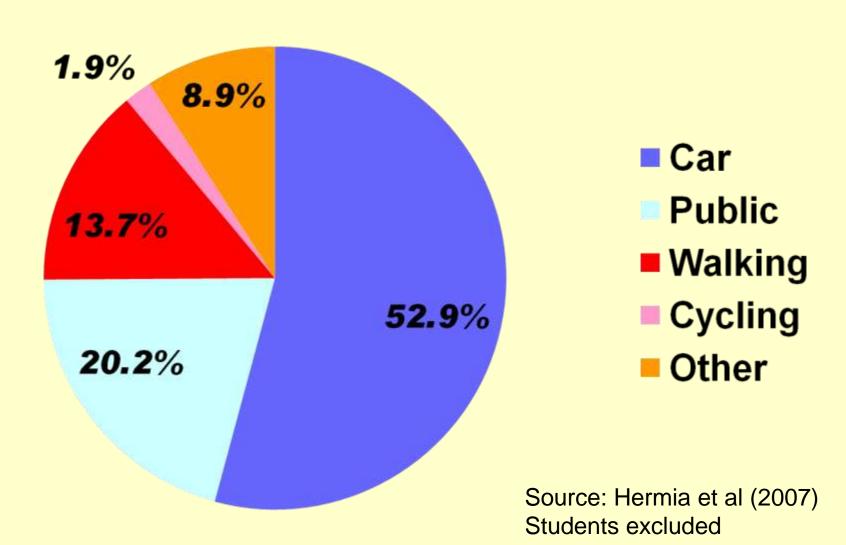
Town Centre: Pedestrian Streets in blue



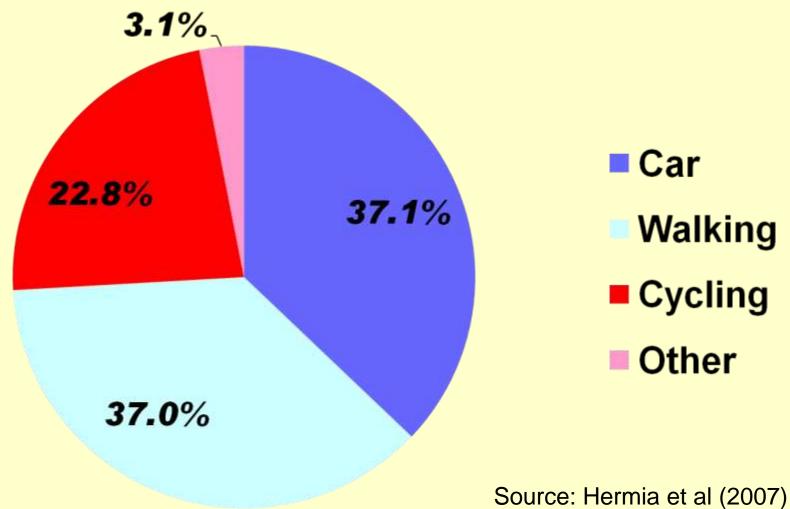
Separate network of pedestrian streets



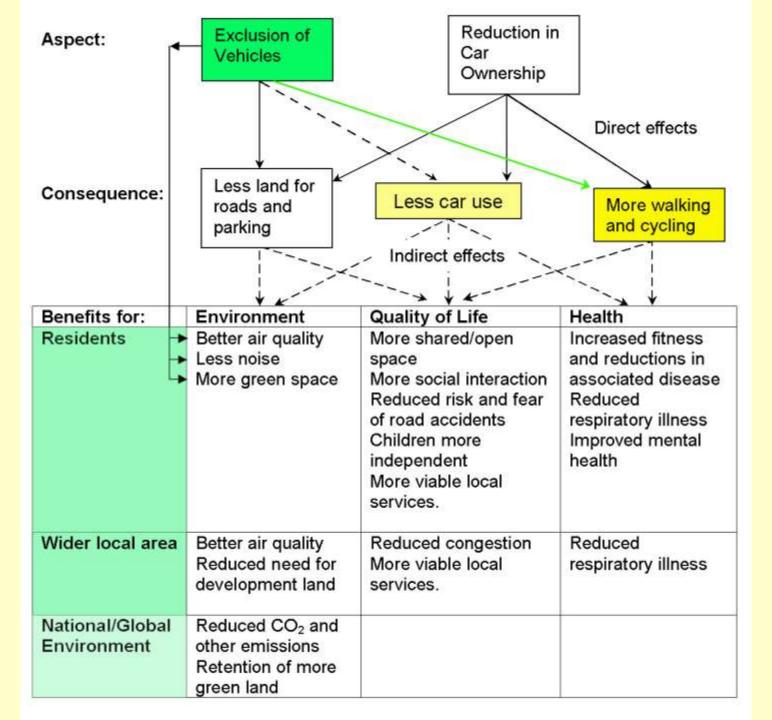
Louvain la Neuve – External Travel



Louvain la Neuve – Internal Travel



Source: Hermia et al (2007)
Students excluded



Conclusions:

3 Principles:

- Traffic-free immediate environment
- Reduced parking
- Separated parking
- All 3, where possible maximum benefits
- Elsewhere: different combinations, but
- Low Car can mean 'worst of both worlds'





Home

Internet

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