World Carfree Network Towards Carfree Cities IX

York, June 2010

# Superblocks

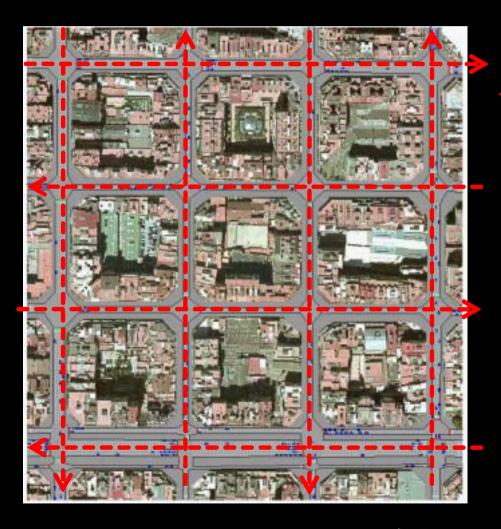
an instrument for open space improvement



Agència d'Ecologia Urbana de Barcelona The proposal is based on changing streets' hierarchy: Superblocks are an alternative solution developed by the Urban Ecology Agency of Barcelona. In current Hell Works, Helt Heller between private Vehicle has The objective is to reorganize mobility networks in order to free public space of public space from according to with priority for pedestrian and bicycle



## **Current Mobility Model**



### Basic motorized network

- 1. Poor occupation mobility networks alternative to motor vehicle
- 2. Complicated relationship between cars, public transportation, bicycles and pedestrians.
- 3. Open spaces are predominated by car use.



Agéncia d'Ecologia Urbán de Barcelona

## Superblock Mobility Model



- 01 Basic motorized network is redefined
- O2 Implementation of automated access systems for all urban services and residents' vehicles
- ••••• 03 Change of the streets' ways in order to pacify the interior traffic speed.
  - P 04 Increase parking for residents off road to free open space on streets.



Agencia d'Ecologia Urbana de Barcelona

### Basic vehicle's network streets



vehicles and parking

Absorbs main motorized traffic Public Parking lots on streets and underground

merchandise delivery

Access to central logistical distribution centers (hubs)

Public transportation

Location of bus stops ensuring proximity of population.



Agència d'Ecologia Urbana de Barcelona

## Superblock's interior streets





• pedestrians

• vehicles Enable proximity loan points intermodal with public transportation

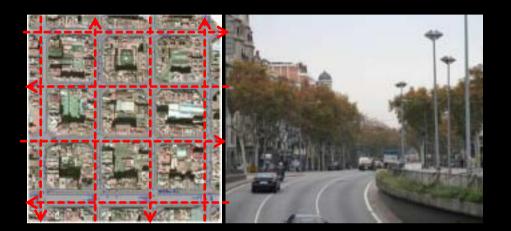
Pacification of traffic Accessible design configuration Continuity of pedestrians routes Acoustic and thermal comfort levels Healthier air

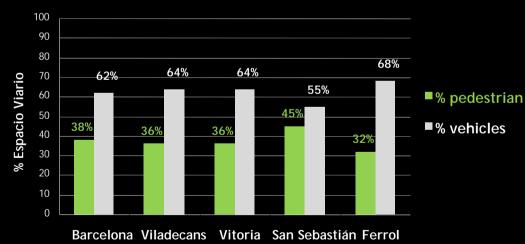
Allows access to resident vehicles, municipal management services, delivery and emergencies.



Agéncia d'Ecologia Urbana de Barcelona

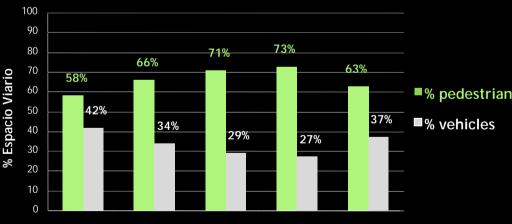
### The results: more space for pedestrians





Public open space distribution on Spanish cities Current scenario





Barcelona Viladecans Vitoria San Sebastián Ferrol

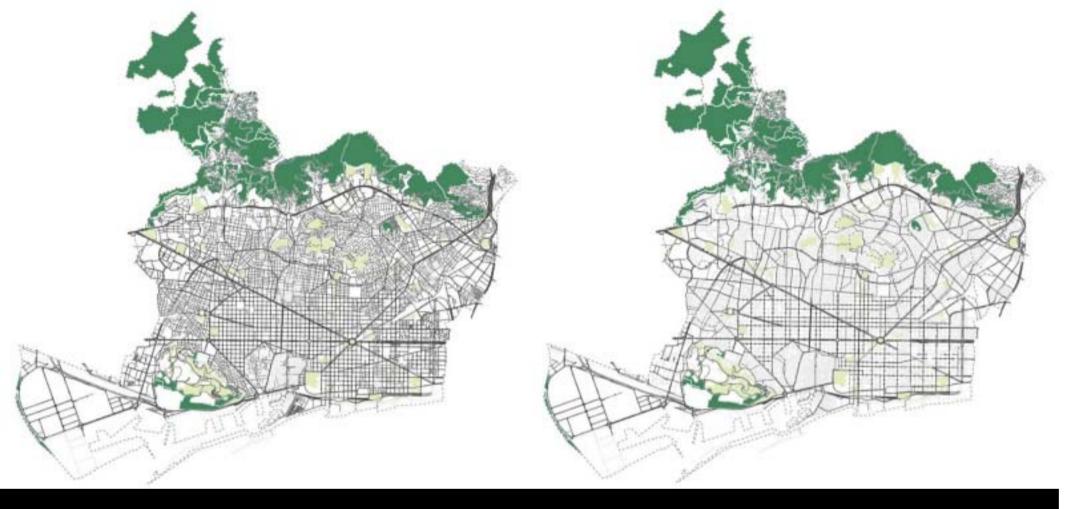
Public open space distribution on Spanish cities Superblock scenario

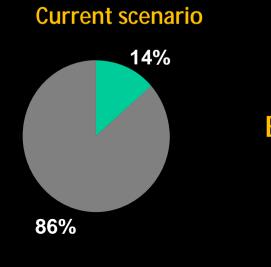


## Barcelona, Spain (1.600.000 hab.)

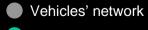
Superblocks, an alternative proposal for the future







### Basic vehicle's network

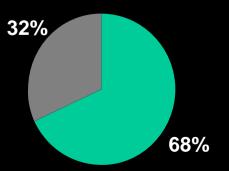


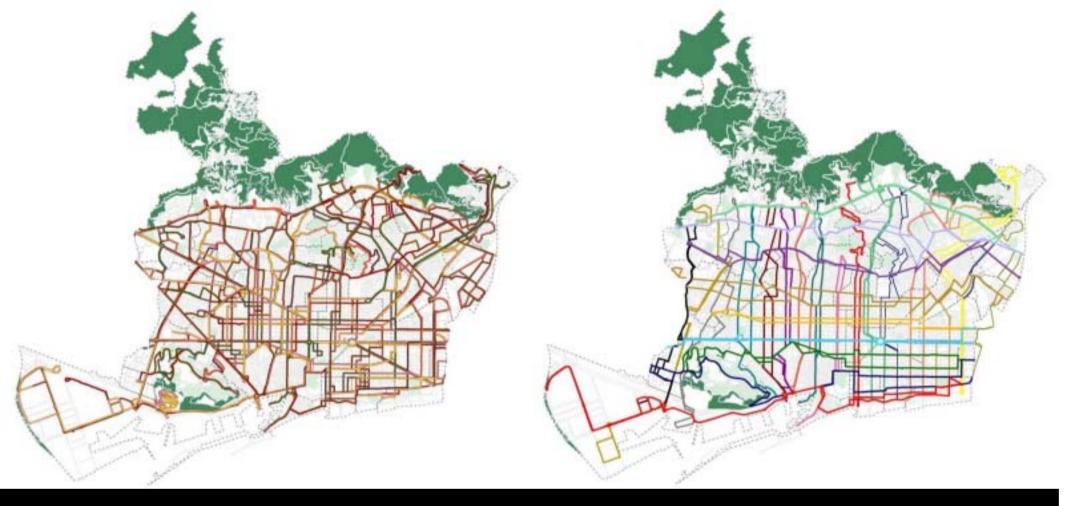
Pedestrians' network



Agència d'Ecologia Urbana de Barcelona

### Superblock scenario







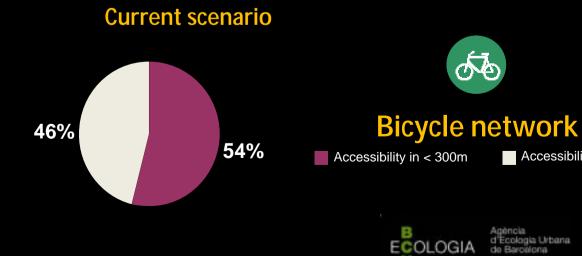


ক্ৰ

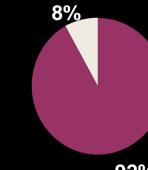
Ν

Accessibility in > 300m

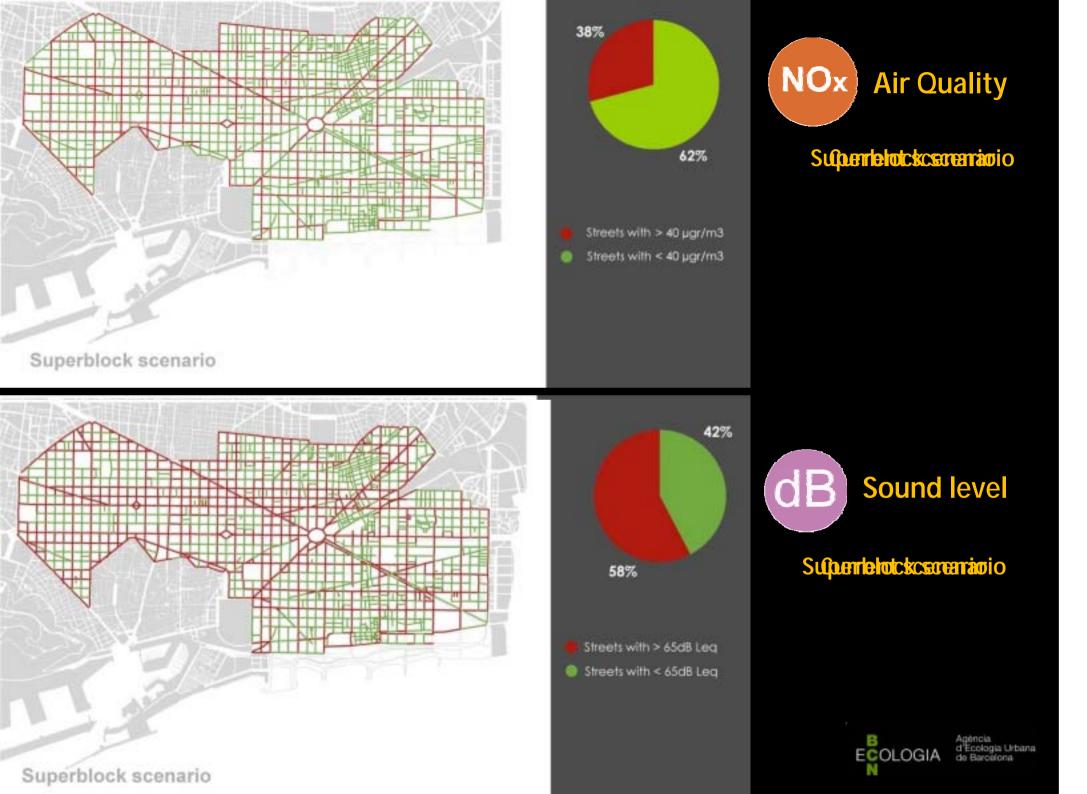
Agència d'Ecologia Urbana de Barcelona



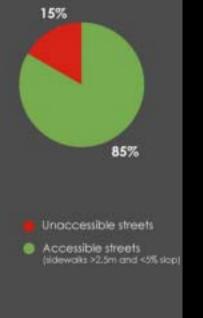
Superblock scenario





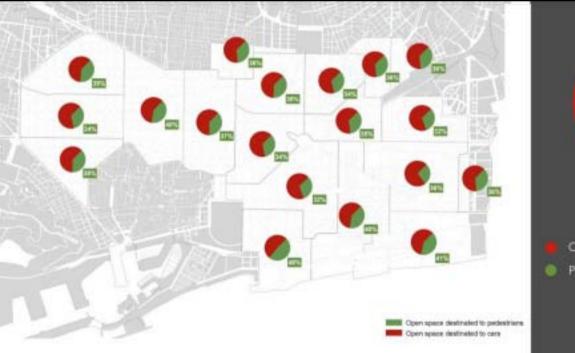


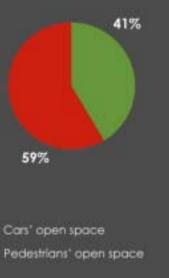


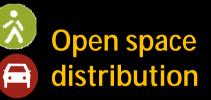




#### Superlelockcerentario







Supertelocscorerrio



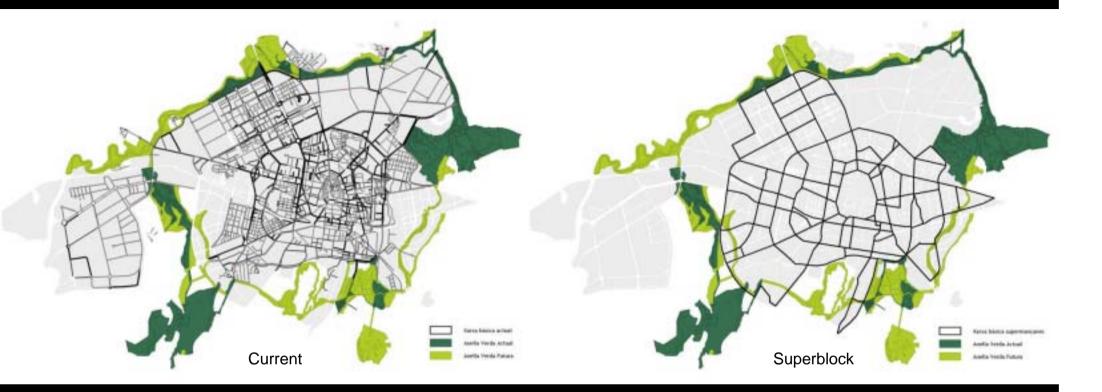
Agència d'Ecologia Urbana de Barcelona

Current scenario

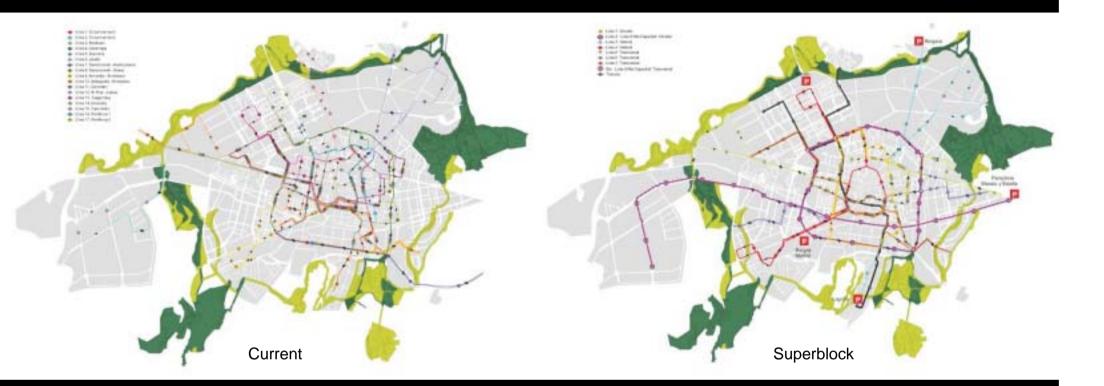
## Vitoria-Gasteiz, Spain (234.000 hab.)

City's future scenario with superblocks





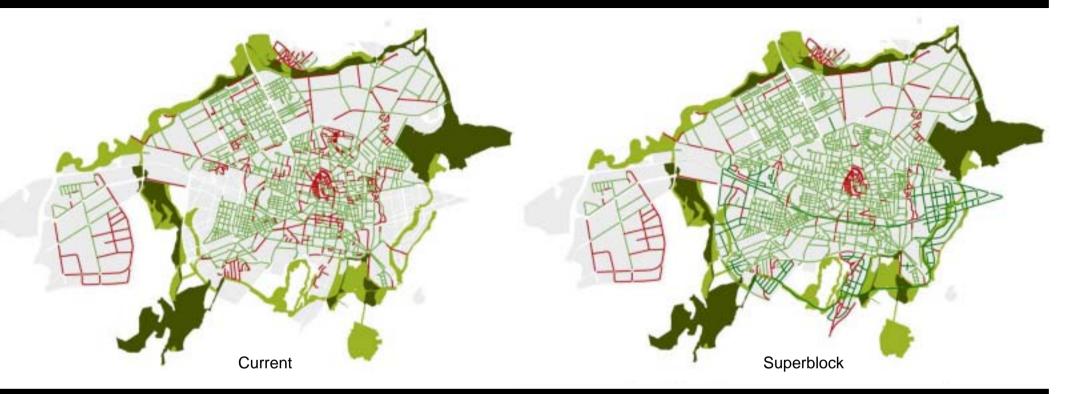


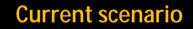


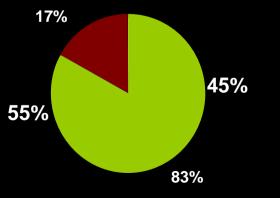














### Pedestrians' network

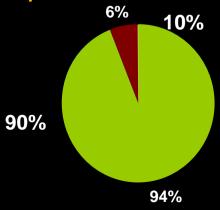
(coexistence (Avittese it hity) ar network)

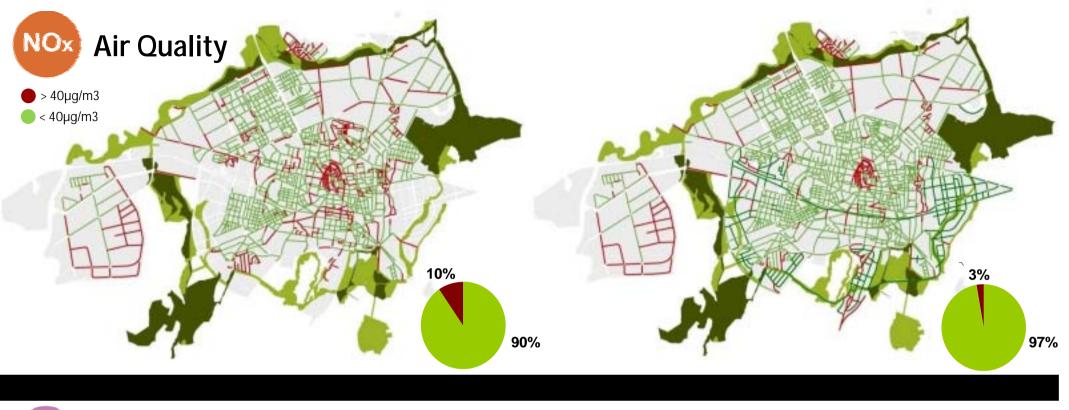


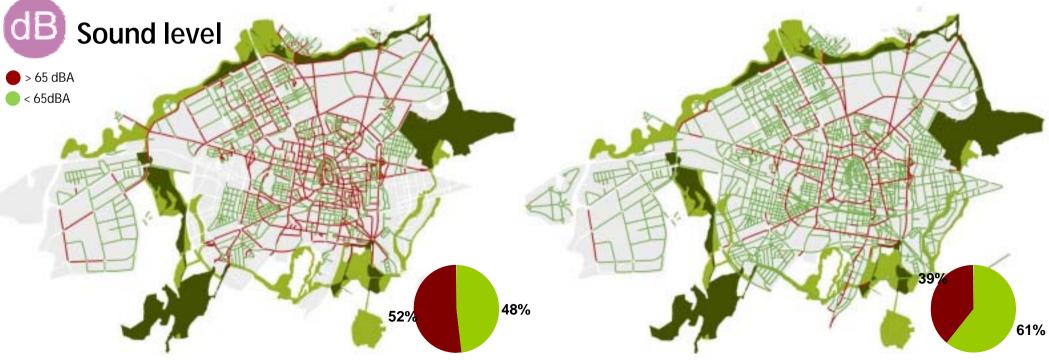
Pedestishipatifis without priority



#### Superblock scenario







Reorganize mobility networks with superblock's model Superblock spin protective function and vitoria comments ion security count with our addition protection and vitoria comments ion security of the significantly increase on superblock of work and security increase This would also help to create healthier and pacified tradap allows where people care live and relate bettenic activities on neighborhood scale.