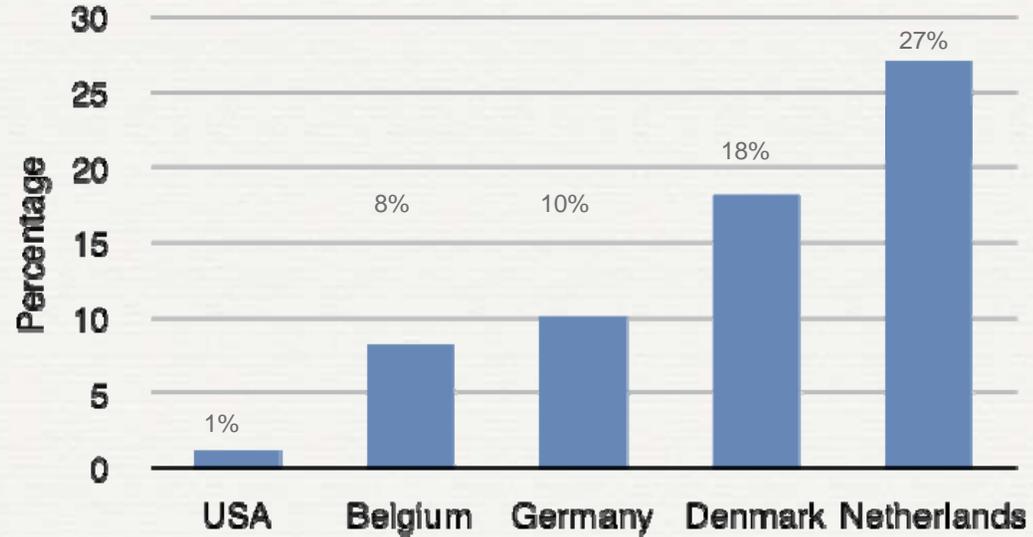


BIKING IN EUROPE

Or Why the Europeans Have all the Fun



Percentage of trips by bike



The Netherlands

Almost twice the size of NJ, 16 million people.



Amsterdam

- A city of 750,000.
- 37% of all trips by bike.
- In 2007, 450 km of bike paths.
- Spends \$20/inhabitant per year for bike infrastructure.



Bike Safety

- The Netherlands has the lowest cycling fatality rate.
- Biking is 5X safer than in the US.
- The Dutch oppose helmet laws, see it as discouraging biking.



Amsterdam Bike Policy

- Non-motorized modes are the center of transport policy.
- 1) Increasing the accessibility of companies and facilities.
- 2) Improve the quality of the living environment - reduce noise and air pollution and traffic congestion.
- 3) Increase social safety and traffic safety.
- 4) Improve public health.

Restrictions on Cars

- Greatly restricts access of cars to city center.
- Reduced the amount of car parking
- Increased parking fees
- Pedestrian and bike only streets



Bikers Concerns

- Bicycle Theft
- Traffic Safety
- Shortage of safe bike parking facilities
- Waiting times at signalized intersections



Kids start early

Most children are biking by
age 4.

Traffic and bicycling
regulations are taught in
schools.



Bike Parking

During the day, 10,000 bikes are parked at the Central Train Station.



Park and Bike

Motorists park their cars on
the edge of the city and
complete their commute by
bike.

The parking fee includes the
bike.

The



Bike parking is paid for by parking income from cars.



Biking works because there is a link between bicycle use and the quality of the infrastructure.



Traffic safety

Signs communicate with the motorist and bicyclist.



Cities set the Policy

Biking structures are financed by national, state and local sources.



One way for cars

Both ways for bicycles and scooters.



Many Messages

A one-way street for cars, bikes and scooters can ride both ways. Plus a 30 km, traffic calming zone.



separate bike lanes

Bikers are separated from traffic by parked cars.
Reddenotes the bike path.



Cars park on the left and the sidewalk is to the right.
Cars, bikes and pedestrians have their own space.



Paths ALONG THE ROAD

This bike lane is along the road and well-marked.



Intersections

Stoplightintersection

The red highlights stopped cyclists.



a Connecting link

This path connects a major road and a housing area.



Bike lane by a road

Grey for pedestrians and red for bicyclists.



Clear signage important

Marked lanes direct bicyclists and prevent accidents.



bike path oN a bridge

A rough surface for traction in the rain.



Rural Bike paths

In the country signs show the various trails available.



bike parking

Safe bike parking is important to bicyclists.



In bad weather, covered bike parking is appreciated.



Bike parking enforcement

Bikes that are illegally parked are subject to “towing” by the police.



Zoning Laws

Require bike parking in various locations.



City bike rentals programs

There are 200 bikes at 19 locations in the old city of Rome.



Paris Bike Rentals

There are 20,500 bikes available at 750 locations.



A 24 hour self-service program



Automatic Rental Machine

Daily and yearly subscriptions are available.



University bikes

BikesBlissueBikebikes

Are issued to staff by the local University.



required Safety Gear

A rear light is mandatory.



Also a front generator light and a bell.



Bike registration

Police register bikes so they can be returned to owners if stolen.





AAA For bikes

At major biking events, the local auto club provides assistance for bikers.



Liquid Refreshments

After the ride there is always time for a beer or a coffee.



a very secure bike



Questions

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Pedestrian safety

Note the well marked cross walks and overhead lighting.

Belgium

The size of MD with 10.5 million people.





Even at night, with the lighting, pedestrians are clearly visible.