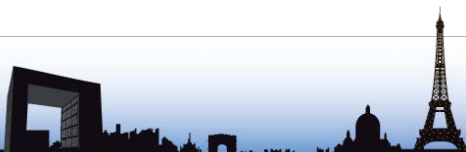


# Unlocking new opportunities: Jobs in green and healthy transport

UNECE WHO UNEP

Austria, France, Switzerland





Открыть новые возможности  
**Рабочие места экологически чистого и здорового транспорта**

**ОПТОСОЗ** Общественная программа по транспорту, окружающей среде и охране здоровья



Ouvrir de nouvelles perspectives  
**Les emplois liés aux transports respectueux de l'environnement et de la santé**

**THE PEP** Transport, Health and Environment Pan-European Programme



Unlocking new opportunities  
**Jobs in green and healthy transport**

**THE PEP** Transport, Health and Environment Pan-European Programme



# Transport impact to health and environment

---

- Air pollution: 9 months less life expectancy
- Traffic noise: 70 million affected
- Road Accident: 120,000 death
- GHG emissions from transport: 24%
- Reduced physical activity: 1 million death in UNECE region
- Total adverse effects of transport is 4% of GDP in European Union



# Potential Jobs in Green & Healthy transport

Supporting Active Travel

Improving public transport and increasing its attractiveness

Technological measures to reduce emissions per transport mode

Encouraging behavioural change

Mobility Management

Freight

Reducing car use

Reducing travel demand

Tourism



6



7



# Potential Jobs in Green & Healthy transport

Supporting Active Travel

Improving public transport and increasing its attractiveness

Technological measures to reduce emissions per transport mode

Encouraging behavioural change

Mobility Management

Freight

Reducing car use

Reducing travel demand

Tourism



6



7



# Potential Jobs

Supporting  
Active Travel

Improving  
public  
transport and  
increasing its  
attractiveness

Technological  
measures to  
reduce  
emissions per  
transport  
mode

Encouraging  
behavioural  
change

**Mobility  
Management**

Freight

Reducing car  
use

Reducing  
travel  
demand

Tourism



6



7



# Potential Jobs

Supporting  
Active Travel

Improving  
public  
transport and  
increasing its  
attractiveness

Technological  
measures to  
reduce  
emissions per  
transport  
mode

Encouraging  
behavioural  
change

Mobility  
Management

Freight

Reducing car  
use

Reducing  
travel  
demand

**Tourism**



6



7



# Jobs in Green and Healthy Transport

---

## Definition

### Green:

- solution to climate change
- reductions in emissions and energy efficiency

### Healthy:

- safer, cleaner, more active modes of transport
- reductions in health risks

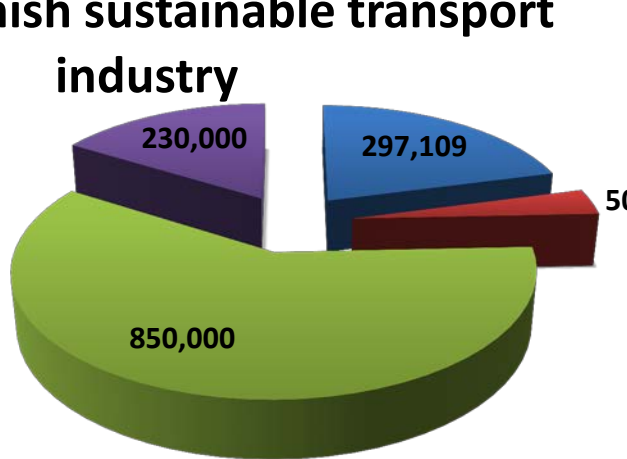
Reduce air and noise pollution and greenhouse gas emissions  
OR Reduce energy consumption  
OR Increase the safety of walking and cycling OR Improve transport efficiency





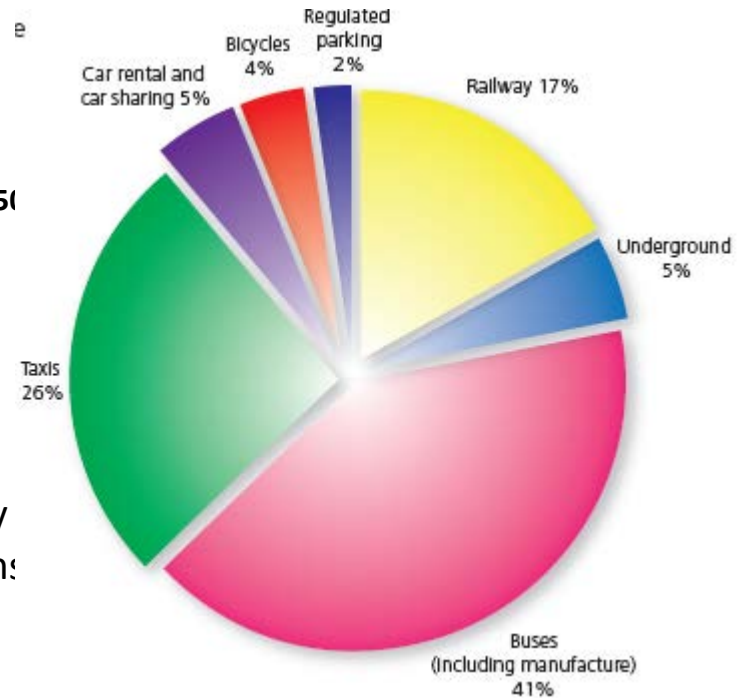
# Jobs in Green and Health Transport

## Jobs in Spanish sustainable transport industry



- Direct jobs in manufacturing, car-sharing, mobility and indirect jobs in related services for public transport
- Manufacture of railway equipment
- Manufacture of low-emissions vehicles
- Transport infrastructure for railways and ports

## Spain: Jobs in 'sustainable' transport: 297 109 jobs



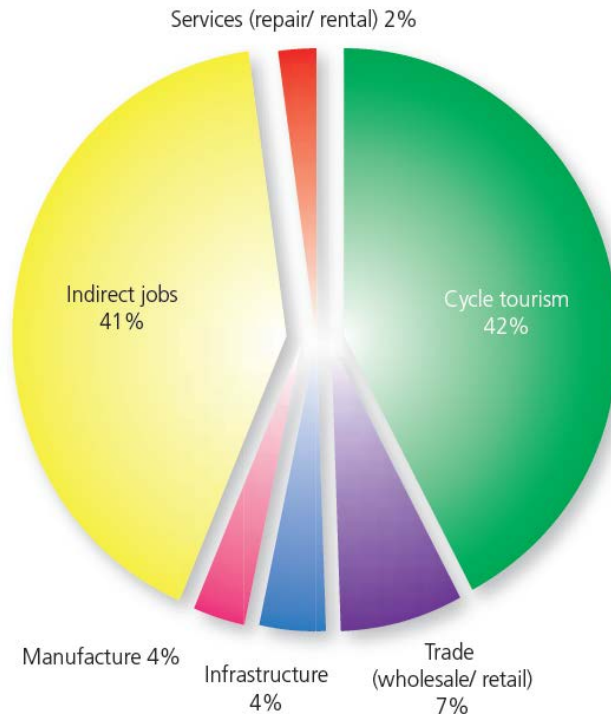
Estimated breakdown of jobs in 'sustainable' transport in Spain



# Jobs in Green and Health Transport

## Austria

17 992 direct and indirect jobs  
associated with cycling



(Miglbauer E. Cycling economy in Austria, presentation at Velo-City conference, Vienna, 2013).



# Investing in Jobs in Green and Healthy transport

---

Number of jobs generated:

- USA: 36,000 jobs per USD 1 billion
- EU: 21, 500 jobs per Euro 1 billion

**Higher  
job  
intensity**

**More  
Local jobs**

**Broad  
range of  
jobs**



# Jobs in Green and Healthy Transport

	Population	Cycling modal share (%)	Est. number of existing jobs	Potential number of additional jobs	Death could be avoided
Copenhagen	549 050	26	650	0	0
Astana	661 700	1	30	753	131
Paris	2 234 105	3	305	2 340	174
Moscow	11 541 000	3	1571	12 086	2 915
.....	.....	.....	.....	.....	.....

**UNECE**

**Cycling modal share of 26% in one selected major city in each country of the pan-European Region**

**→ Creation of 76 000 jobs**



# Conclusion

---

- **Multiple social and environmental benefits could be delivered by unlocking the job creation potential of public transport, cycling and walking.**

