

# Benchmarking toolbox for design/renovation of High Speed Interchanges

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# Next Station

Benchmarking toolbox for design/renovation of High Speed Interchanges  
International Research programme commissioned by UIC



Brussels, March 17<sup>th</sup>, 2011

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# In EU-27 annual cost of congestion/road accidents amounts to 560 MD €.

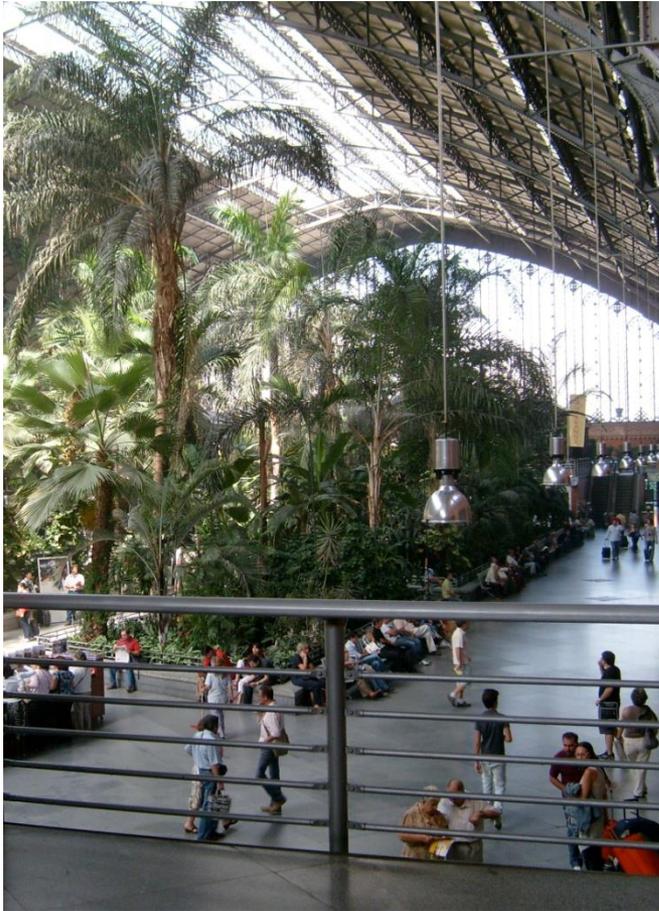


Well designed interchanges can reduce:

congestion, stress, vandalism and boost:

- urban mobility
- economy and environment of cities
- quality of life of citizens

# Interchange



## Interchange is:

- nodal point
- heterotopia (M. Foucault)
- city in the city
- hierarchy of cities (S. Sassen)

## But requires:

- accessibility & interconnectivity
- quality services to passengers
- similar level of comfort to passengers of all modes

# The KPI's of Benchmarking toolbox for interchanges

- location & configuration: eg efficient use of space
- intermodality & civil engineering
- design & architecture
- sustainability
- safety & security
- signage
- passenger needs
- logistics, operations & maintenance
- retail & service facilities
- synergies with third parties
- governance



# Where?

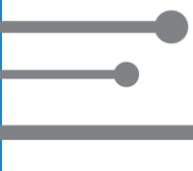


- In Europe  
Madrid, Paris, Milano, Berlin  
Key awareness: PT x2,  
2025

- In Asia  
New Delhi, Mumbai, Beijing,  
Shanghai, Seoul  
Key awareness: safe and  
secure passenger management



**Thank you!**



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BRUSSELS 2011  
*March 17-18*

