The Walk and Cycle "City Challenge"

"Defying the impossibilities" of urban design for pedestrians and bicycles in our cities Lessons learned

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I would like to go from Hong Kong, China to Macao...

A total of 400,000 tonnes of steel was used in the project, enough to construct 60 Eiffel Towers. The structure has been built to resist the impact of a magnitude-8 earthquake, super typhoon or 300,000-tonne cargo vessel...



Does this sound familiar?



to be used by some 6,500 vehicles per day...



Does this sound familiar?



Sheikh Zayed Rd, Dubai



[Daily bicycle trips in Metro Manila account for... 745,500...] [2.1% mode share]





Does this sound familiar?



Does this sound familiar?



The automobile provocation

Does this sound familiar?



- There is not enough room for bikes!
- Technically not feasible!
- You will cause enormous congestion!
- You will create safety issues for pedestrians!



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VALÈNCIA (SPAIN)



Pedestrianization of Town Hall (before)

Lesson #1 – Yes, it is possible! VALÈNCIA (SPAIN)



Lesson #1 – Yes, it is possible! VALÈNCIA (SPAIN)



Pedestrianization of Market Square (before)

Lesson #1 – Yes, it is possible! VALÈNCIA (SPAIN)















Pedestrianization of Reina Square (after)







Imbuga City Walk/ KN 3 Ave

Lesson #1 – Yes, it is possible!

DUBAI (UAE)

Parámetros	climáticos	promedio	de	Dubái
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Temperatura máxima absoluta (°C)	31	31	37	S41	45	45	47	48	43	40	41	- 31	48
Temperatura máxima media (°C)	22	23	26	31	36	37	39	39	37	33	30	25	32
Temperatura media (°C)	18	19	22	- 26	30	32	34	35	32	28	24	20	27
Temperatura minima media (°C)	14	15	17	20	24	26	29	30	27	23	19	16	22
Temperatura minima absoluta (°C)	8	7	11	8	17	22	25	25	22	16	13	10	7
Precipitación total (mm)	20	40	30	10	0	0	0	0	0	0	0	20	120
Dias de precipitaciones (≥)	5	7	6	3	0	0	0	1	0	0	1	5	28
Horas de sol	341	308	372	390	403	420	434	403	360	372	330	341	4474
Humedad relativa (%)	76	76	73	67	59	66	65	66	72	74	75	78	71
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Fuente: Weather Data Base, ¹⁰⁸ 10⁹ Weather2travel.com, ¹¹⁰ Climate-Charts.com, ¹¹ 27 de diciembre de 2012

DUBAI (UAE)



Active Mobility Master Plan



DUBAI (UAE)



Active Mobility Master Plan



Lesson #2

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Each transport mode requires its appropriate set of infrastructure elements – and so do walking and cycling!



Lesson #2 – Appropriate infrastructure – also for walking &

- Walking & cycling is not only "bike lanes" and "sidewalks".
- Walking & cycling as transport modes must be conceived "the same way" as private vehicles.
- For pedestrians: shelter, shadowing against climate conditions, enough width...
- For bicycles: parking facilities, sufficient width, climate protection, proper lane layout (no useless diversions)...





Parking facilities at metro stations, Dubai



Lesson #2 – Appropriate infrastructure – also for walking &



Sheltered walkways, Makati (Manila)











Preciados (Madrid) and Sierpes (Seville) commercial streets, Spain



Lesson #2 – Appropriate infrastructure – also for walking &





City

- ✓ The two most sustainable means of transportation nowadays still use one of the basic forms of energy humans have been using for over thousands of years >> own human energy!
- ✓ Humans have been walking since the beginning of its existence, and although cycling is a relatively new means of transport (compared to walking) it is also based on the use of body energy to propel.
- The use of space, the level of emissions, noise, use of energy. All this parameters are completely unbeaten if we compare motorized means of transport against walking a cycling.











- It's a unique chance to propose a city-model in which mobility takes place in a safe environment and in an efficient, "intelligent" way...
- It's our opportunity to recover the urban space for the people and assure their mobility needs are met while social and economical interactions are favored.
- It's deciding (or help others decide...)...



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THANK YOU! – SALAMAT PO!

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