

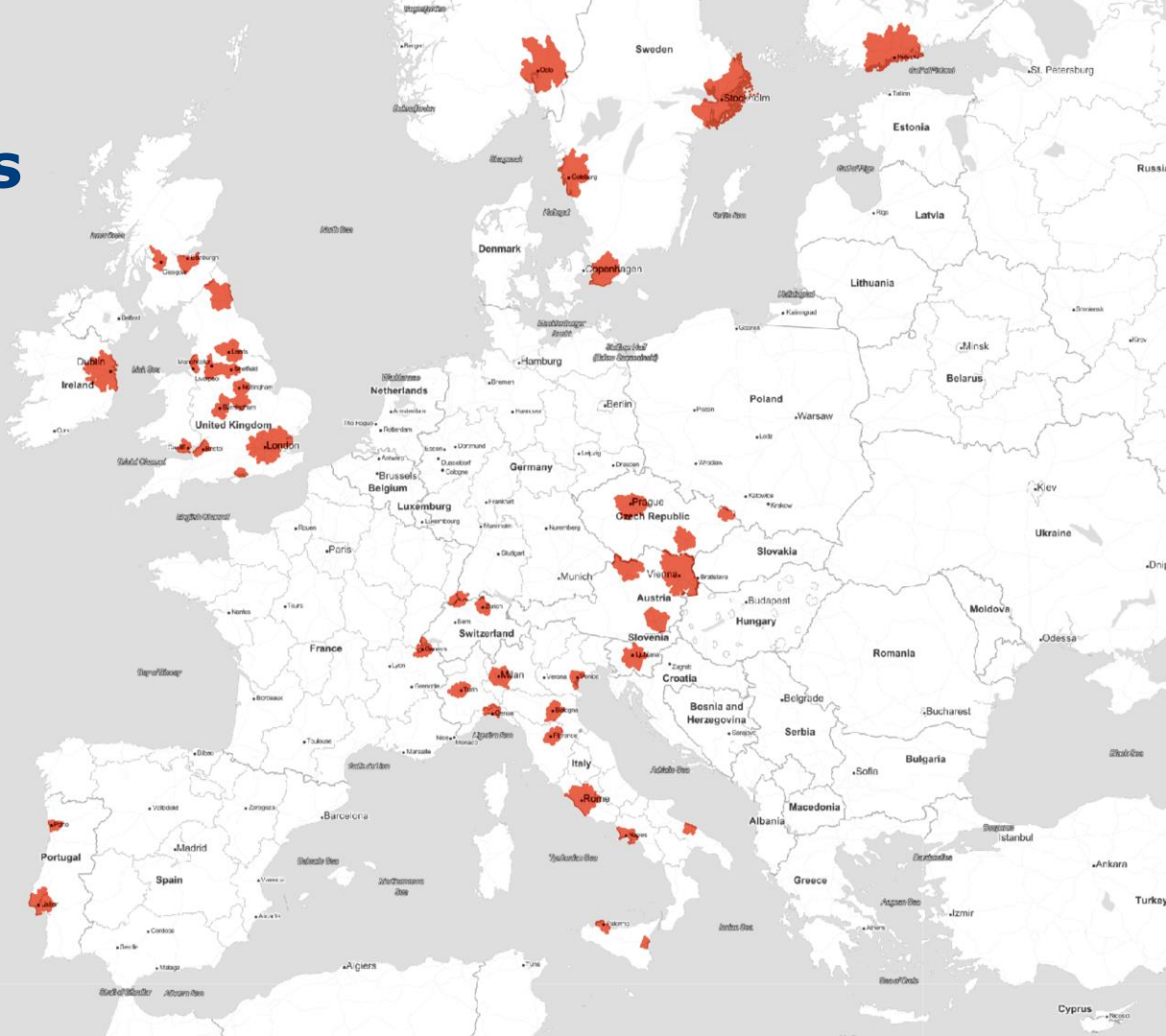
Safer City Streets – Current Research on European Cities

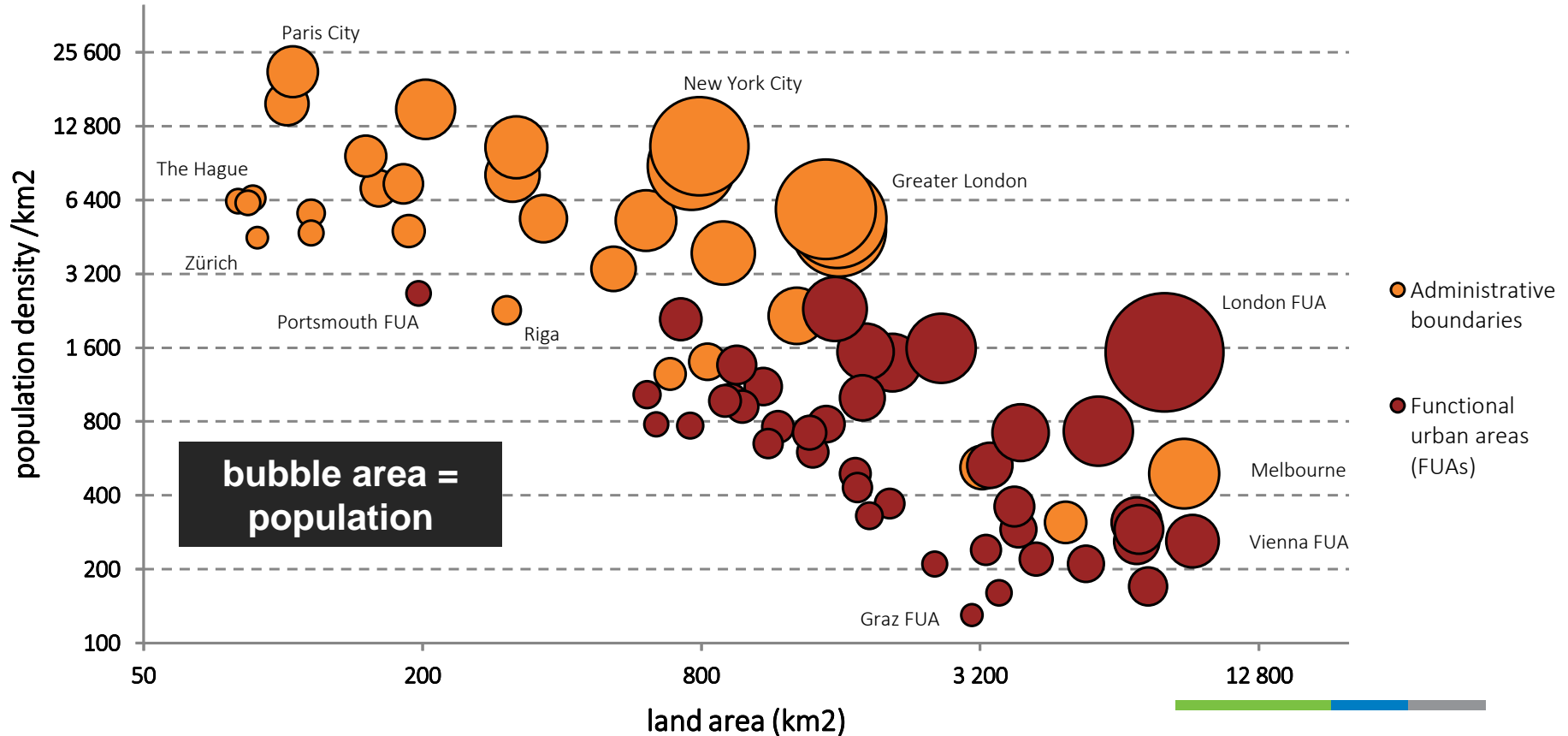
Alexandre Santacreu

4th meeting of the Safer City Streets network, London, UK – 20 Nov 2018

Safer City Streets database

- ▶ 41 functional urban areas (FUAs)
- ▶ CARE database



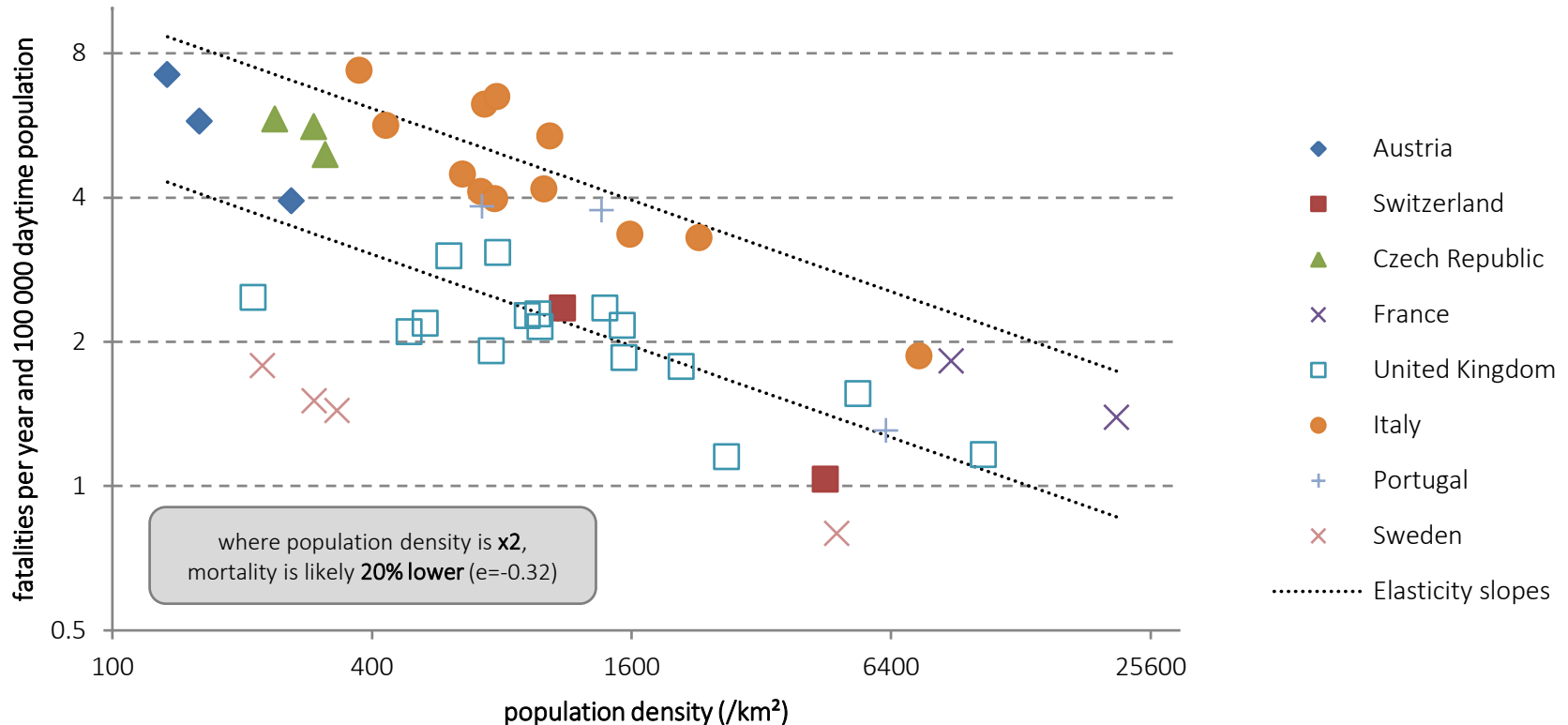


Safer City Streets database

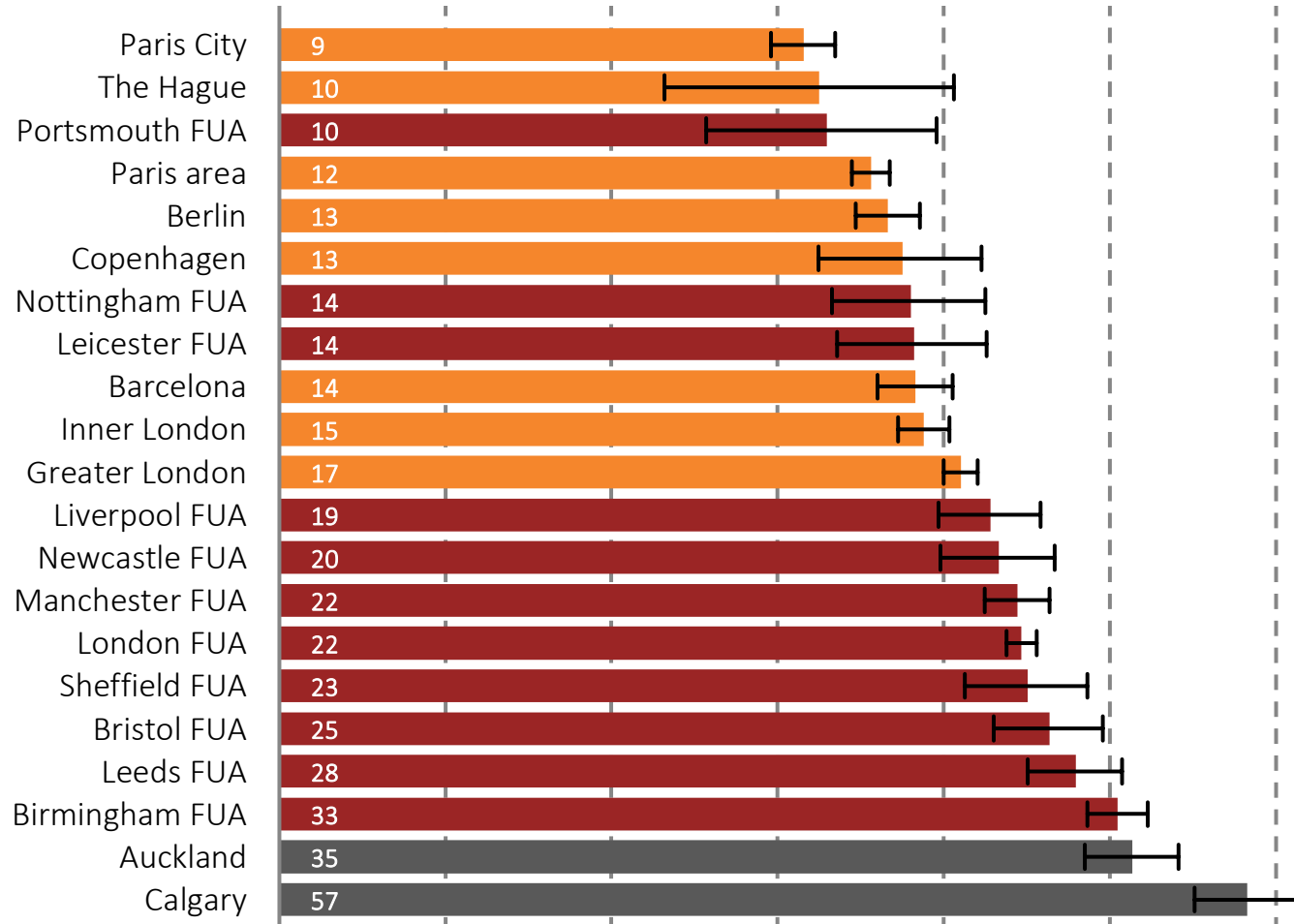
Risk – data sources

		Casualties	Trips and distance travelled
Administrative areas		Local data (often police)	Local data (often travel survey)
Functional areas	England	CARE	NTS (National Travel Survey)
	Rest of Europe		Ad-hoc solutions

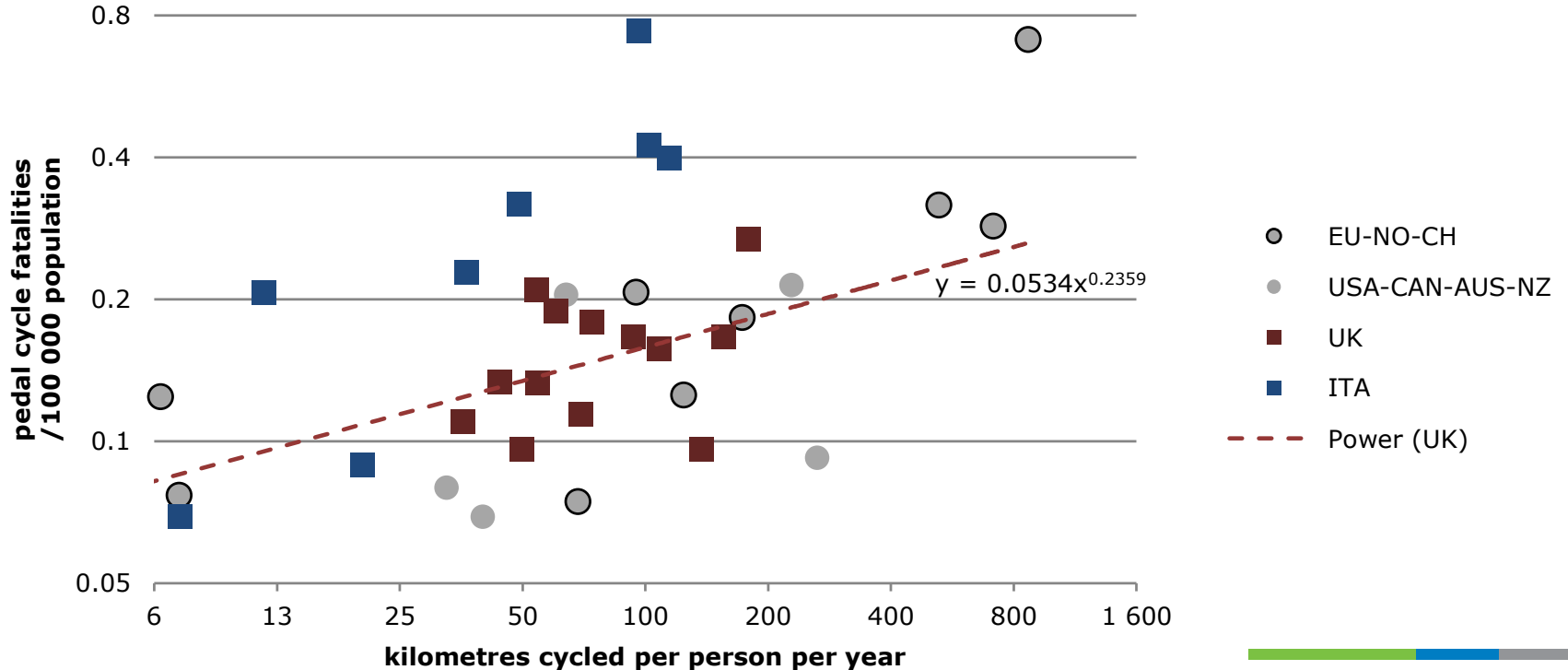
Elasticity of mortality with regard to population density, as observed in European urban areas, average 2011-2015



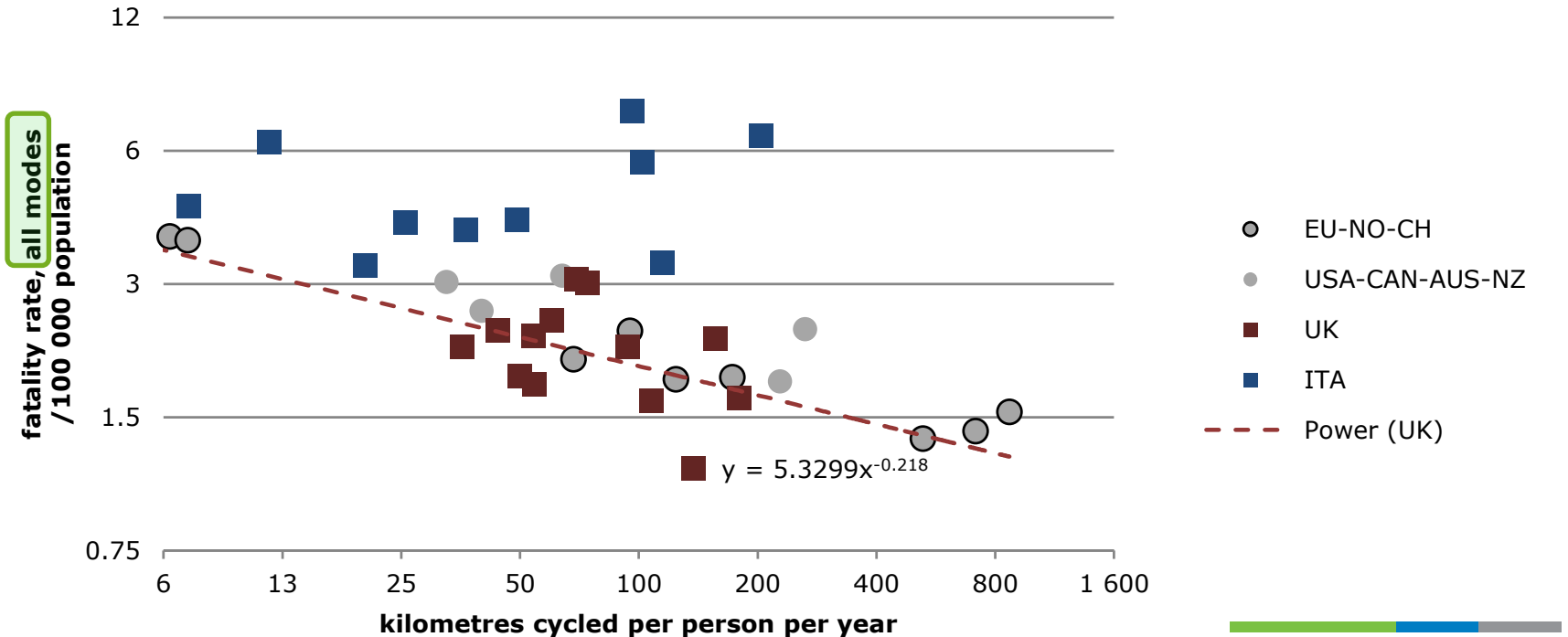
Risk of fatality per unit distance walked, 2011-2015



Number of pedal cycle fatalities per unit population in cities and FUAs, 2011-2015



Number of fatalities per unit population in cities and FUAs, 2011-2015



Which factors are driving road safety performance in cities?

- Population density is associated with safety. It is likely to be a confounding factor which also drives high PT mode share, lower vehicle speeds and shorter trip distances.
- Where more people cycle, a better road safety performance is observed. Some causal links are likely to work both ways.



Thank you

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