



Centre for Sustainable Planning & Environments

Building Liveable Neighbourhoods in Bristol

Festival of the Future City

#futurecity19

18th October 2018

Building liveable neighbourhoods





Liveable streets

Building Liveable Neighbourhoods in Bristol

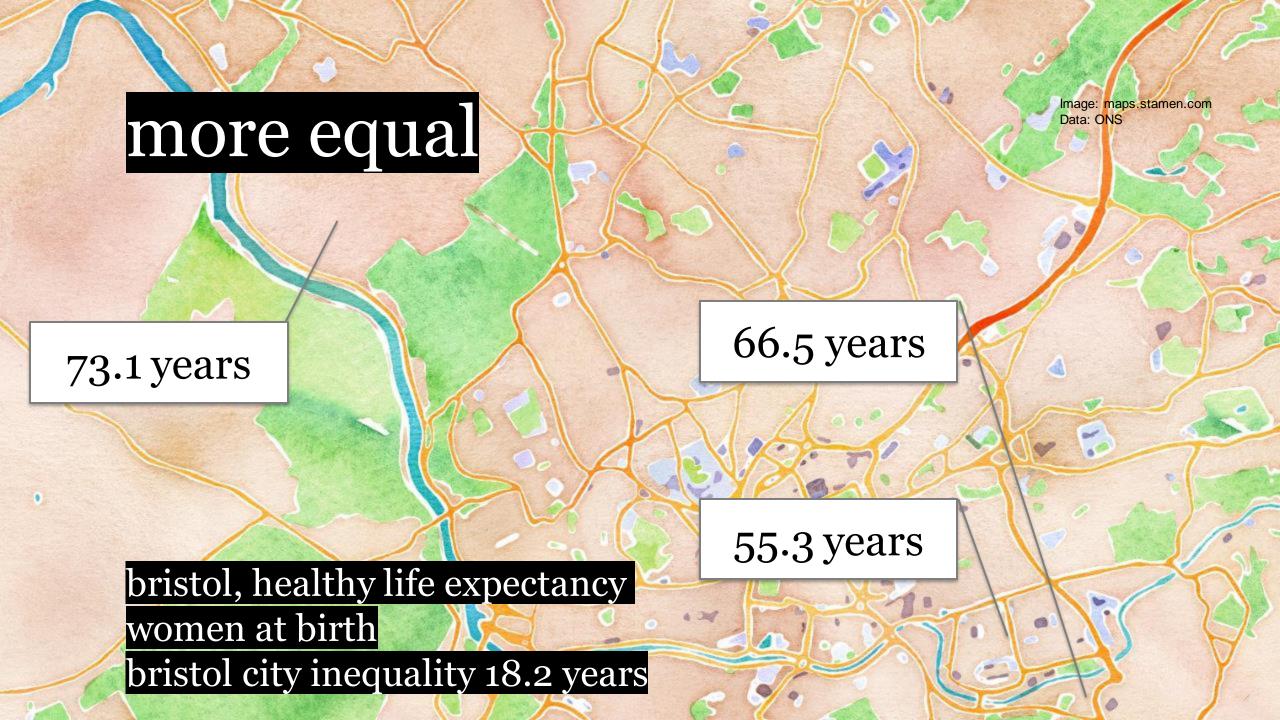
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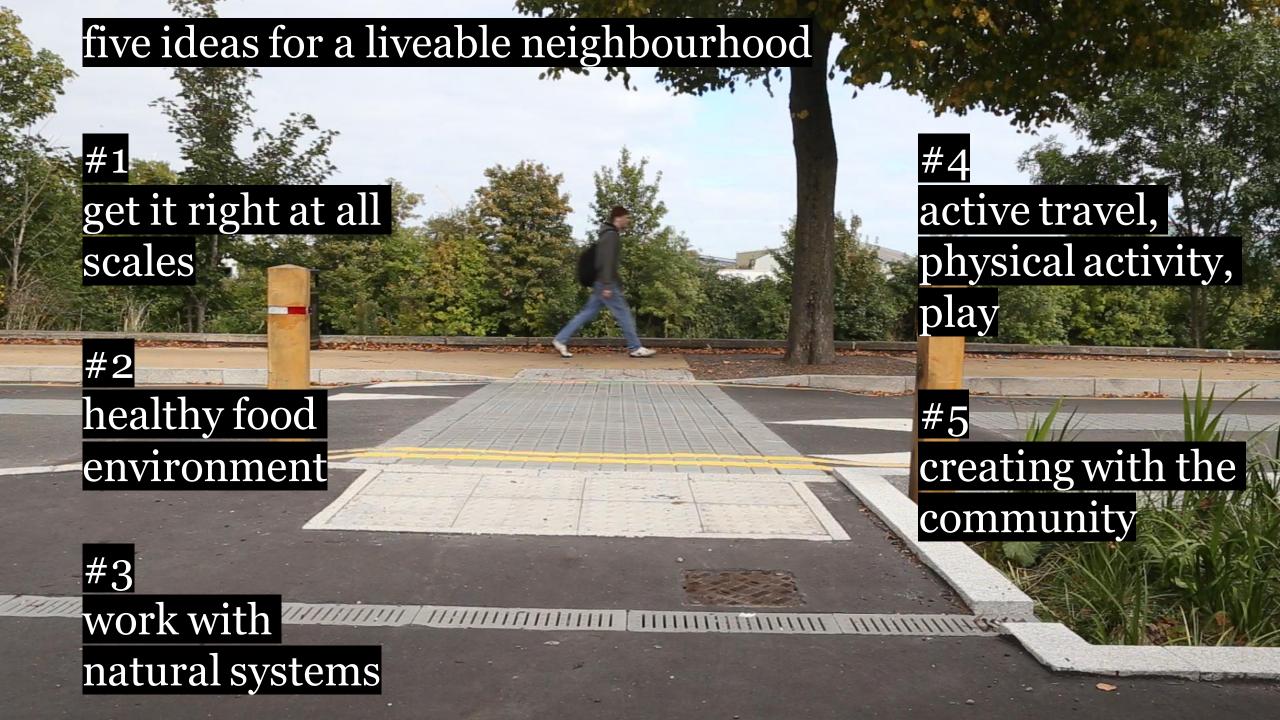
Mark Drane

Mark2.drane@uwe.ac.uk @HealthArch











get it right at every scale



Image: Student Work, UNC Charlotte



Image: Steve Melia



access to healthy food







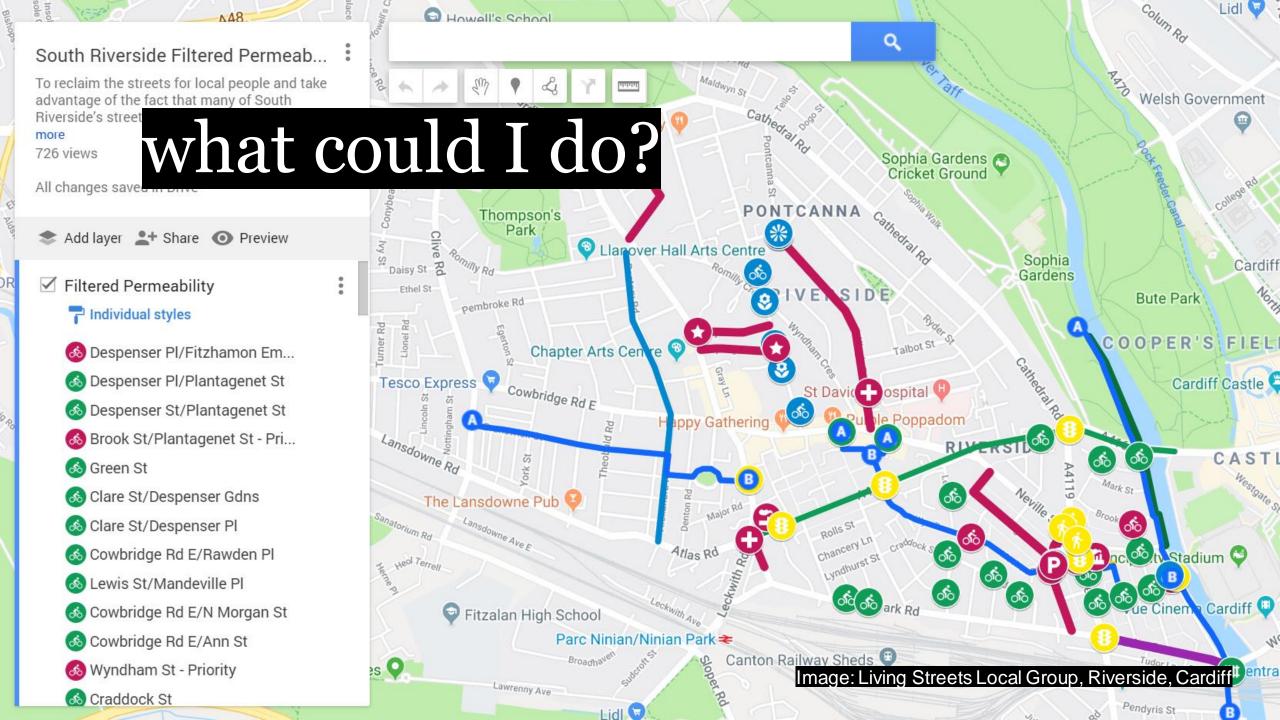
encourage physical activity





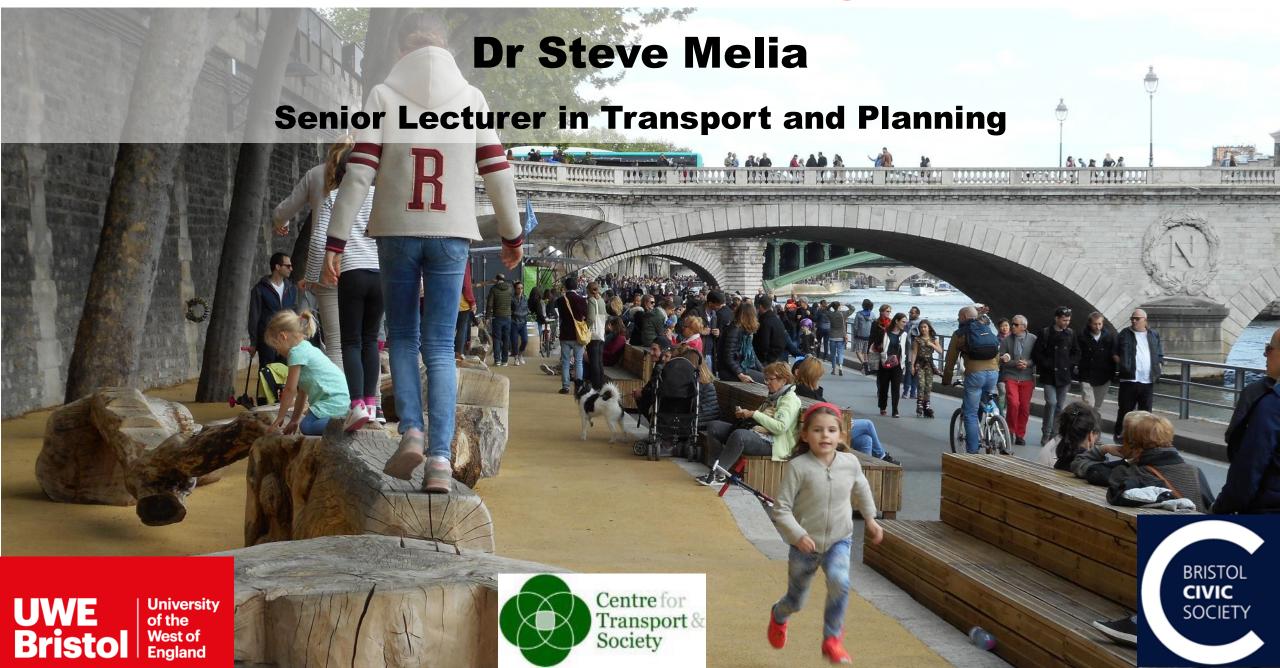
created with people



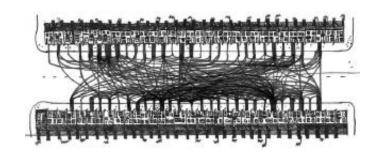




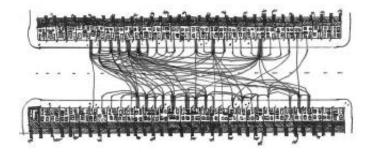
Traffic Removal for Liveable Neighbourhoods



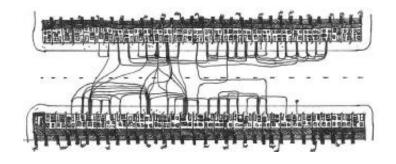
Traffic and Community Interaction



Low Traffic



Medium Traffic



High Traffic

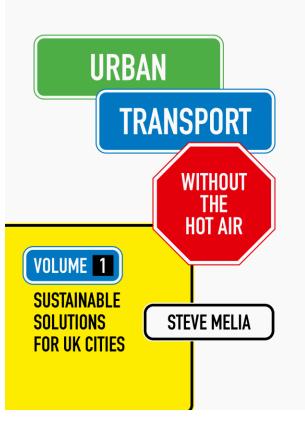








European Carfree Developments





See: Melia (2015)

"Traffic Removal" – 3 Types



 Pedestrianisation (usually shared with cyclists)

2. Filtered permeability (separating modes to give some an advantage over others)





3. Reductions in road capacity, or rerouting to remove through-traffic

www.trafficremoval.uk







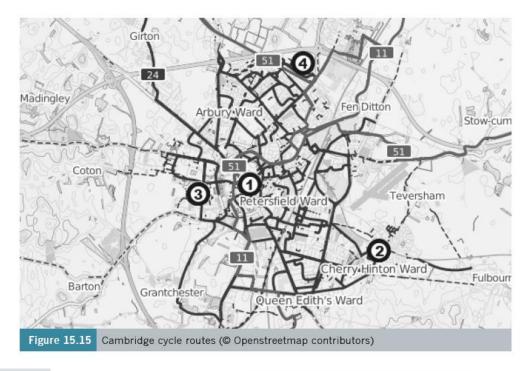
How Leicester reclaimed its city centre from the road-building excesses of the 1960s and 70s.

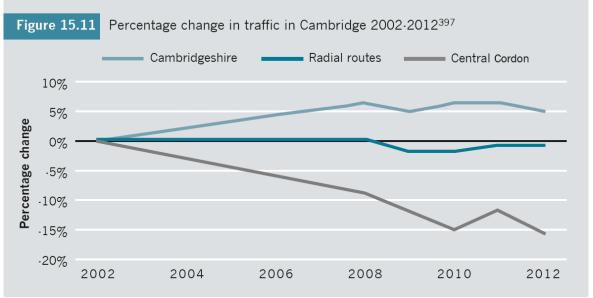


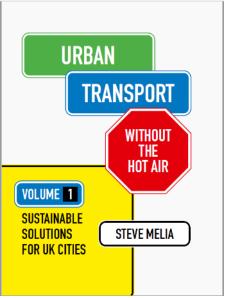
The reclaiming of Queen Square, Bristol.

Cambridge: Traffic Removal Through Filtering





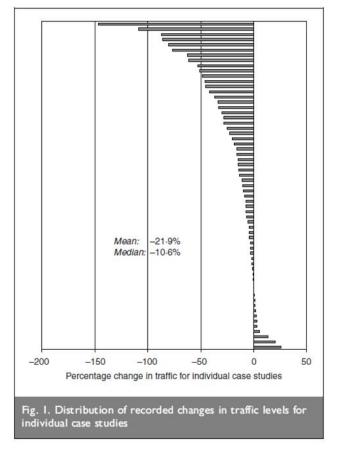




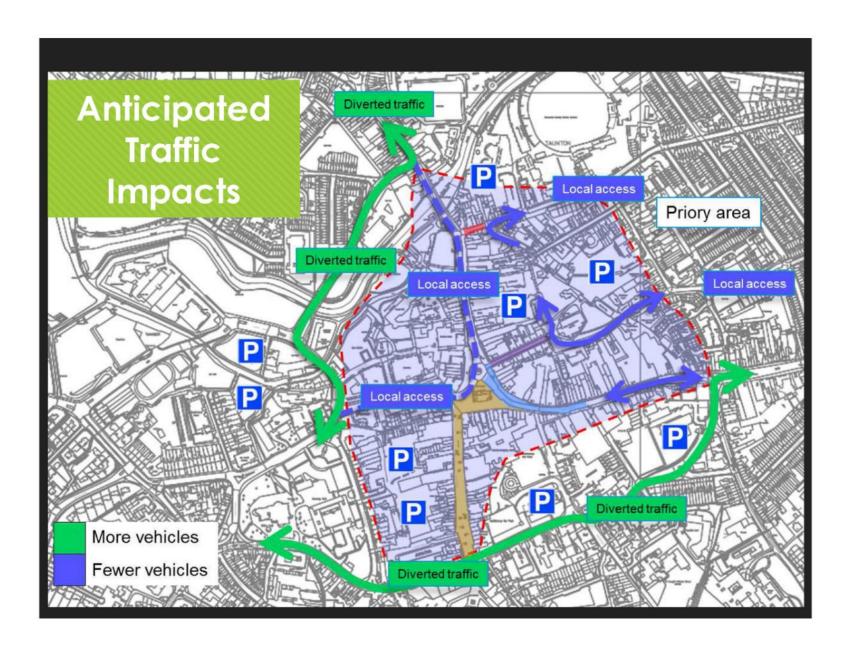
"Disappearing Traffic" When roads are closed some traffic is displaced, some 'disappears'

- Based on 63 cases from 10 count
- 51 cases traffic went down
- Why?... We are still unsure.





Study of Pedestrianisation in Taunton



Traffic removal provokes widespread opposition

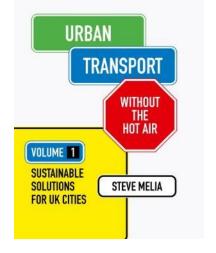
 European cities no different from British cities in that respect.

(See Melia, 2015, Melia and Shergold, 2016)

Hundreds protest as roads close for 'Mini-Holland' cycle-friendly scheme







Non à la fermeture des voies sur berge rive droite!

Key to Long-term Success: The 'Wow Factor'



Groningen





Lyon



References

- Cairns, S., Atkins, S. and Goodwin, P. (2002) Disappearing traffic? The story so far. Municipal Engineer. 151 (1), pp. 13-22.
- Hart, J. and Parkhurst, G. (2011) Driven To Excess: Impacts of Motor Vehicles on the Quality of Life of Residents of Three Streets in Bristol UK. World Transport Policy & Practice. 17 (2), pp. 12-30.
- Melia, S. (2015) Urban Transport Without the Hot Air Vol. 1. UIT Cambridge.
- Melia, S. (2008) Neighbourhoods Should be Made Permeable for Walking and Cycling But Not for Cars. Local Transport Today. January 23rd.
- Melia, S. and Shergold, I. (2016) Pedestrianisation and politics a case study.
 Proceedings of the Institute of Civil Engineers Transport. ISSN 0965-092X
 [In Press] Available from: http://eprints.uwe.ac.uk/31369

And many more on: www.trafficremoval.uk





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Greening neighbourhoods

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Multifunctional greening



















Augustenborg, Malmö



2,100 m² green roofs 9,000 m² roof garden





90%

Stormwater managed by SuDS

80%

Reduction of stormwater runoff

70%

Reduction in flooded

surfaces

50%

Increase in

biodiversity

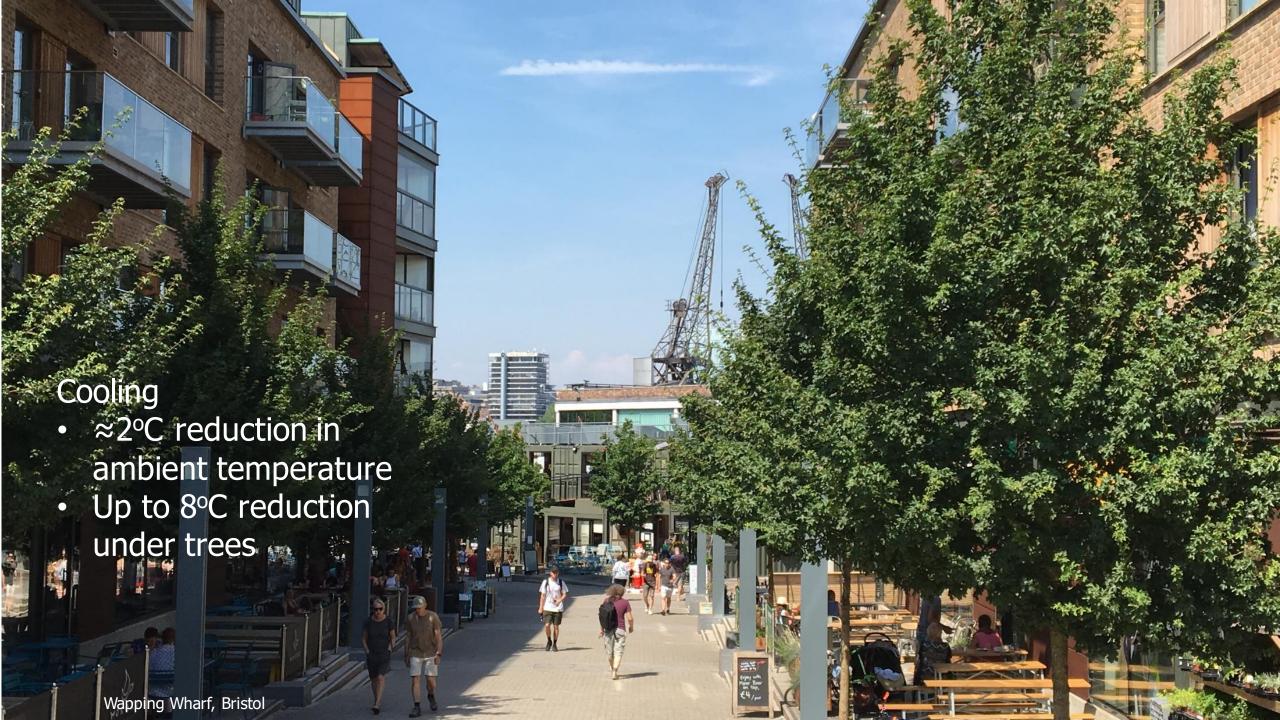
50%

Credit: Helen Hoyle & Katie Williams

Reduction in turnover of tenancies

(Haghighatafshar et al., 2018; Naumann et al., 2011; Rolfsdotter-Jansson 2007





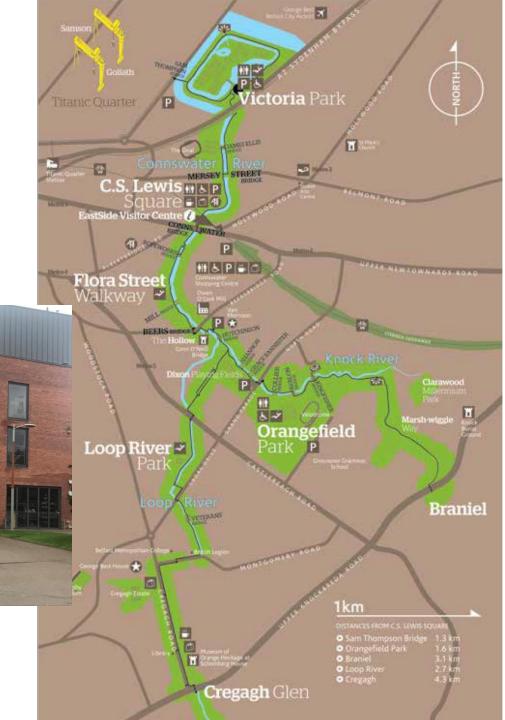
Connswater Greenway, Belfast

 9 km linear park connecting Connswater, Knock and Loop Rivers

New bridges

Heritage and walking trails







Outcomes



1,700 52%

Properties protected from flooding

Increase in cyclists, pedestrians, anglers

Ecological status in rivers

Perceptions of litter, incivilities and safety from crime



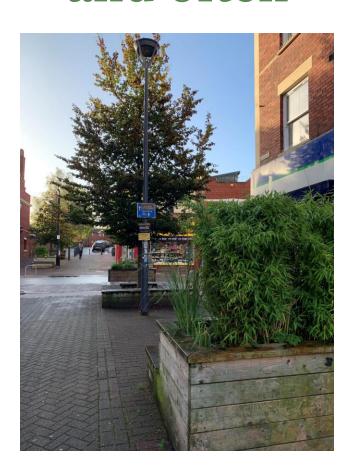
Making connections

Reviving lost spaces

Little and often









Opportunities and challenges

"You educated me — I didn't know it's for the water. I just thought it's pretty, and it looks nice for the neighbourhood"

"We would hope that ... Council Tax pays for that. We would not expect to pay on top of that, and people would not expect to be doing voluntary stuff on top of that."



We can do better than this









Contents lists available at ScienceDirect

Environment International



journal homepage: www.elsevier.com/locate/envint

Review article

Environmental, health, wellbeing, social and equity effects of urban green space interventions: A meta-narrative evidence synthesis



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Hunter et al., in press

WHO Review

WHO Brief



Urban Green Space Interventions and Health

A review of impacts and effectiveness





