



NATURE IN CITIES: TONIC FOR HEALTH, JUSTICE & RESILIENCE

Uta Dietrich - 14 October 2020 Urban Thinkers Campus









WE ARE A
SOCIAL PURPOSE
ORGANISATION
DRIVEN BY

IMPACT IN

MALAYSIA

We want to make cities people-friendly and resilient by being a catalyst for change in the way cities are planned, curated, developed, and celebrated.



Urban Thinkers Campus January 2016



https://www.worldurbancampaign.org/uni-iigh-thrive-2-%E2%80%93-health-and-wellbeing-city-we-need

Kuching Statement

On healthy, just and sustainable urban development

The hallmark of **successful** 21st century cities will be an understanding of **urban development** in terms of the **complex interconnections** between the ecological, economic and social foundations of **human development and health.**

Health Promotion International: https://doi.org/10.1093/heapro/daw046



NBS & Green Public Spaces: Tonic for Health, Justice & Resilience

From the Kuching Statement, there are 3 key parallels





Health & Wellbeing of People

Nature's effect on all dimensions on health cannot be underestimated



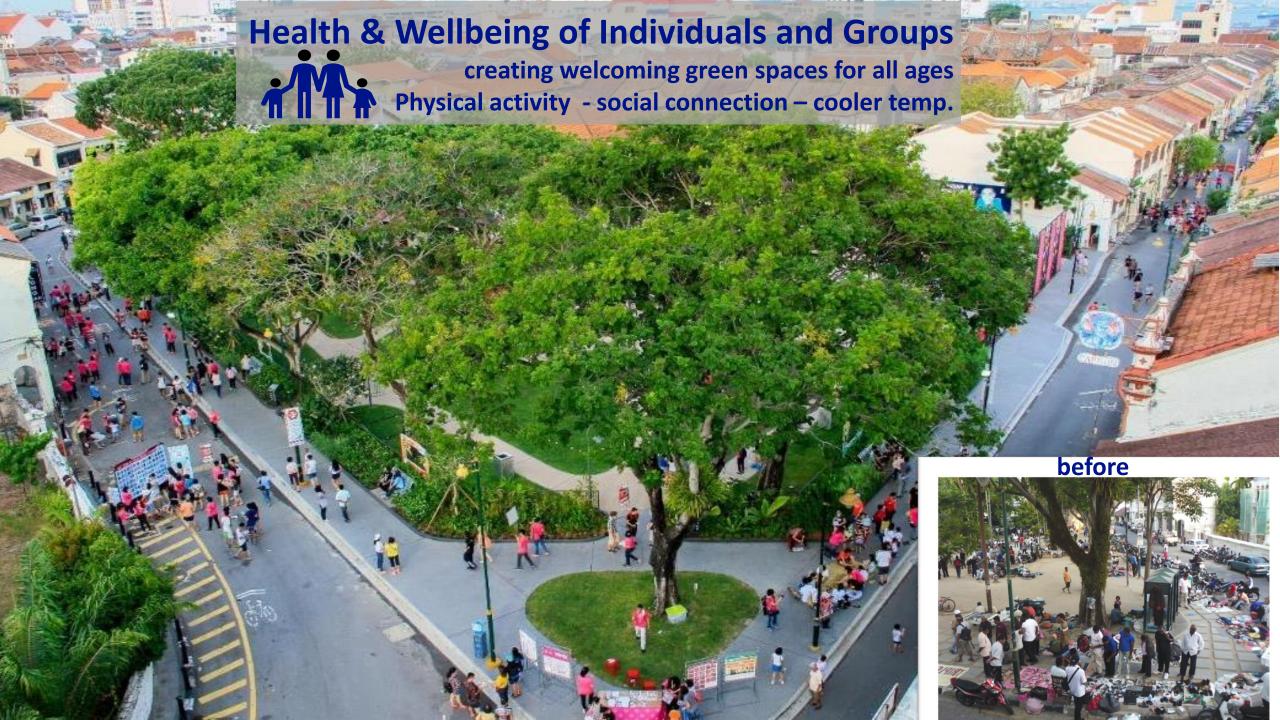
Spatial Justice for all Populations

Distribution of NBS & green public spaces needs to accessible by all and equitably distributed



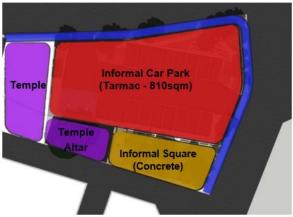
Resilience & Planetary Health

Build resilience by strengthening health of human civilisation and the state of the natural systems on which it depends





JETI LAMA RAIN GARDEN – ORIGINAL SITE



Existing Site Condition

- Tarmac area used as an informal car park
- No line markings; 'free-for-all' parking anywhere within the tarmac and concrete area
- Open drain surrounding Site



Proposed Rain Garden

- Rationalize and optimize tarmac area for car, OKU and motorcycle parking
- Leftover space converted into Green Space
- Convert Informal Square into Rain

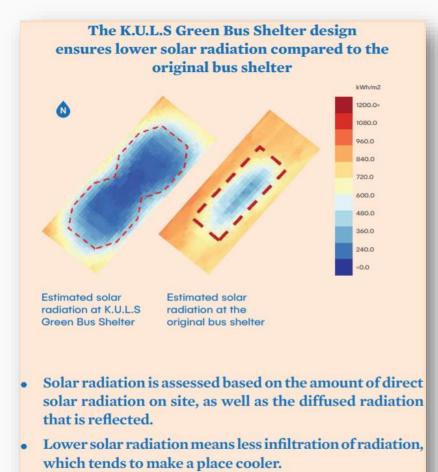








The greener bus shelter provides a larger area of <u>cooler temperatures</u>; It incorporates <u>rain harvesting</u> (columns) & solar panels for phone charging stations



Adding panels around the sides of the roof will help

reduce solar radiation even more.



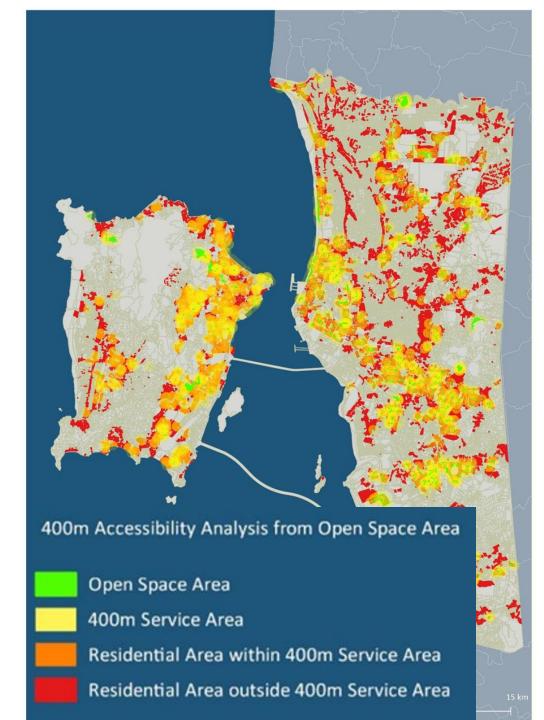
Justice for all Populations

equal access for all populations of all socio-economic strata

Accessibility

39% of the Penang residential areas do not meet the international benchmark of living within a 5 min walk (400m) of an open space.

- 20,000+ hectares identified (excluding open space and recreational areas) to achieve:
- 90% of residential areas are within 400 meters of at least one of these spaces





Resilience & planetary health

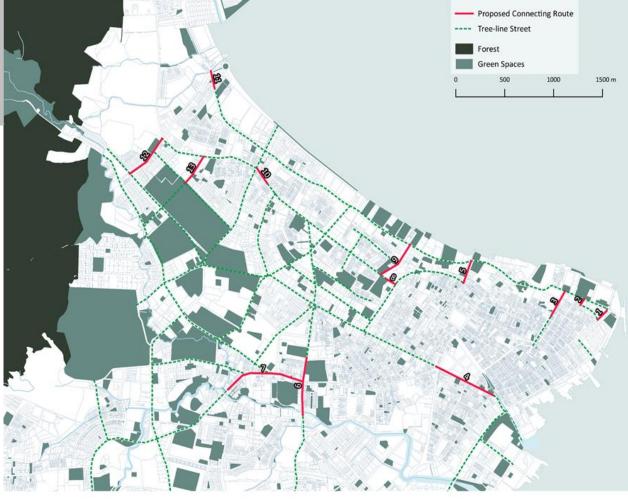
Dose, Intensity, Diversity of interventions for health of people, city & planet

Southeast Asia is one of three regions in the world which will be hardest hit by climate change in the near future.

Special Report on Global Warming of 1.5 °C, IPCC, October 8th, 2018

Green Connector Project





Create connectivity of green and open spaces through green streets, eco-boulevard, blue corridors and protected areas with aim to create a well-defined network of open spaces that maximises the potential for social interaction & physical activity, economic activity and environmental preservation.



Public health pilot project

Resilience & planetary health



Backlane

Dose, Intensity, Diversity of interventions for health of people, city & planet





Green Public Spaces: Tonic for Health, Justice & Resilience





Each green space is good for health & resilience of its users



Sufficient green space equitably spread is good for health & resilience of populations



Intensity & diversity & connectivity of green & blue spaces is good for health of people and planet







Thinkery REJUVENATING THE CITY TOGETHER

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