


SWITCH
Sustainable Water Management Improves Tomorrow's Cities' Health: achievements and way forward

Decision Making Tools:

City Water Balance

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An Urban Hydrological Model with embedded LC costing energy

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Why?
Transitioning and sustainability decisions need to be made collectively and through consideration of existing conditions and possible futures. Strategic planning against alternative future scenarios requires comparative analysis using readily prepared indicators.

How?
By applying simplified hydrological modelling at appropriate resolutions from the property to the city scale and coupling this with databases covering energy and costs for a wide range of alternative management options to yield indicator outputs covering quantity, quality, cost and energy.



Mapping the cities water demand, supply, drainage, treatment and reuse.

Scoping the impact of changing these features either locally or globally

Exploring alternative Water management options

WM Options include: Broad range of BMP's, WW reuse, and Stormwater reuse.

Development and testing completed on Birmingham
Trial applications completed on Accra, Alexandria and Dunedin (nearly)....