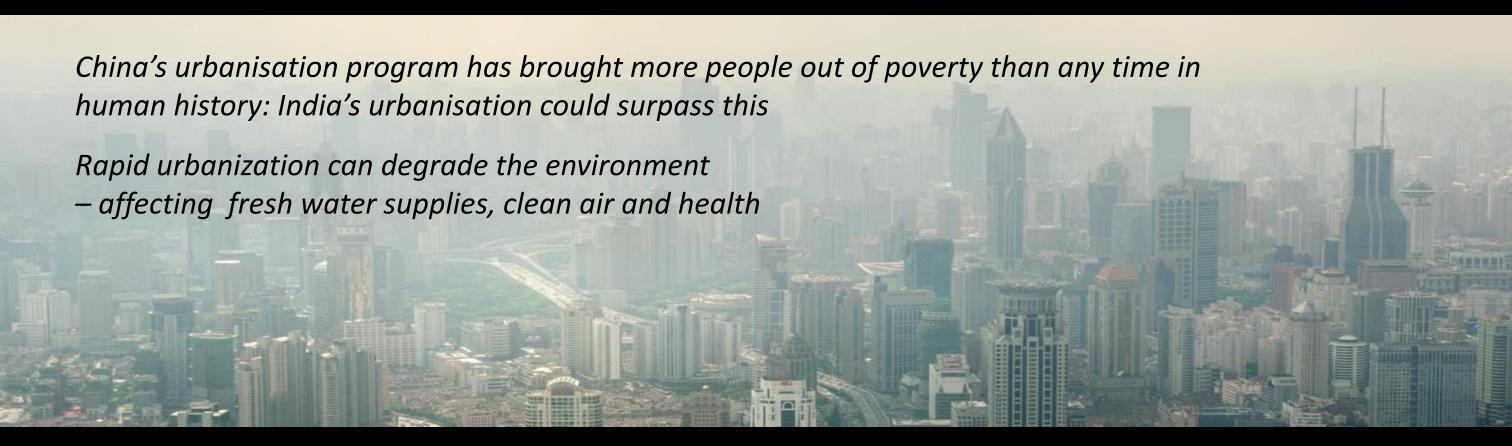


Tropical Cities for the Ecological Age Caroline Stalker | Adjunct Professor, Queensland University of Technology and Director, Architectus



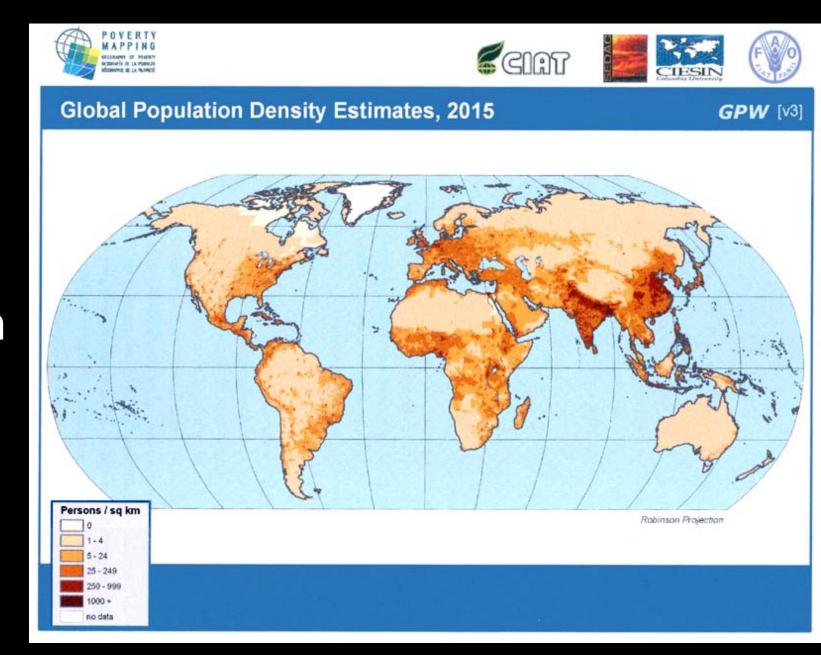
India's rapid urbanisation is globally significant: opportunity to DESIGN the best cities in the world - sustainable, healthy and liveable



Population and economic growth globally is focussed in the tropics and subtropics

40% of the world's population live in the tropics. By 2050, it will be over 50%

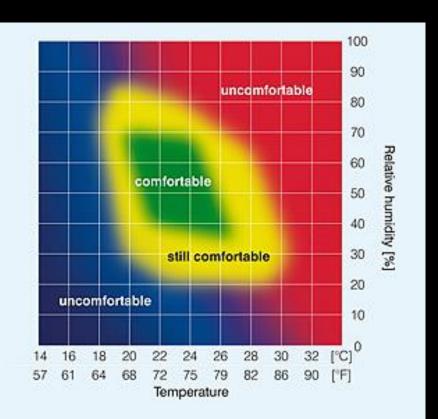
This is where we can create Cities for the Ecological Age

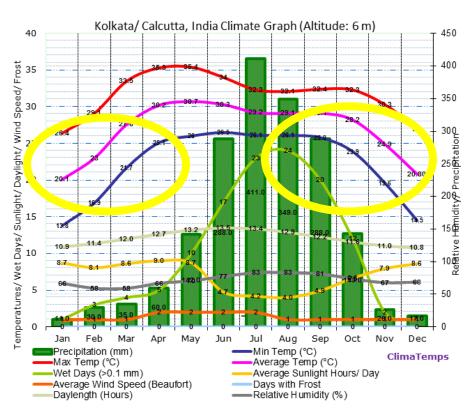


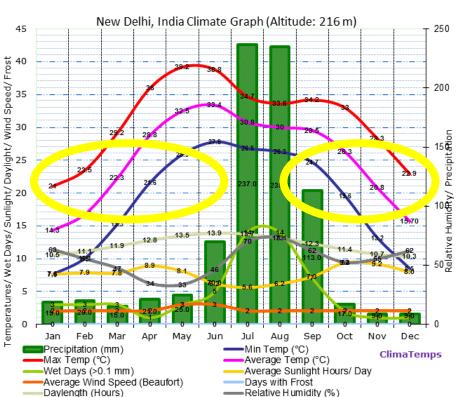


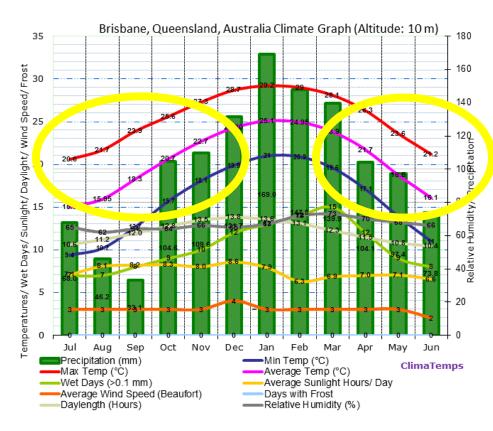
Tropics and subtropics have ideal preconditions to make sustainable cities: CLIMATE WATER VEGETATION

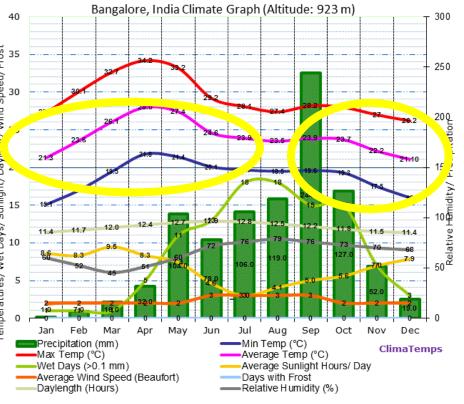
Human comfort 'zones' Mumbai, Brisbane, Delhi, Bangalore















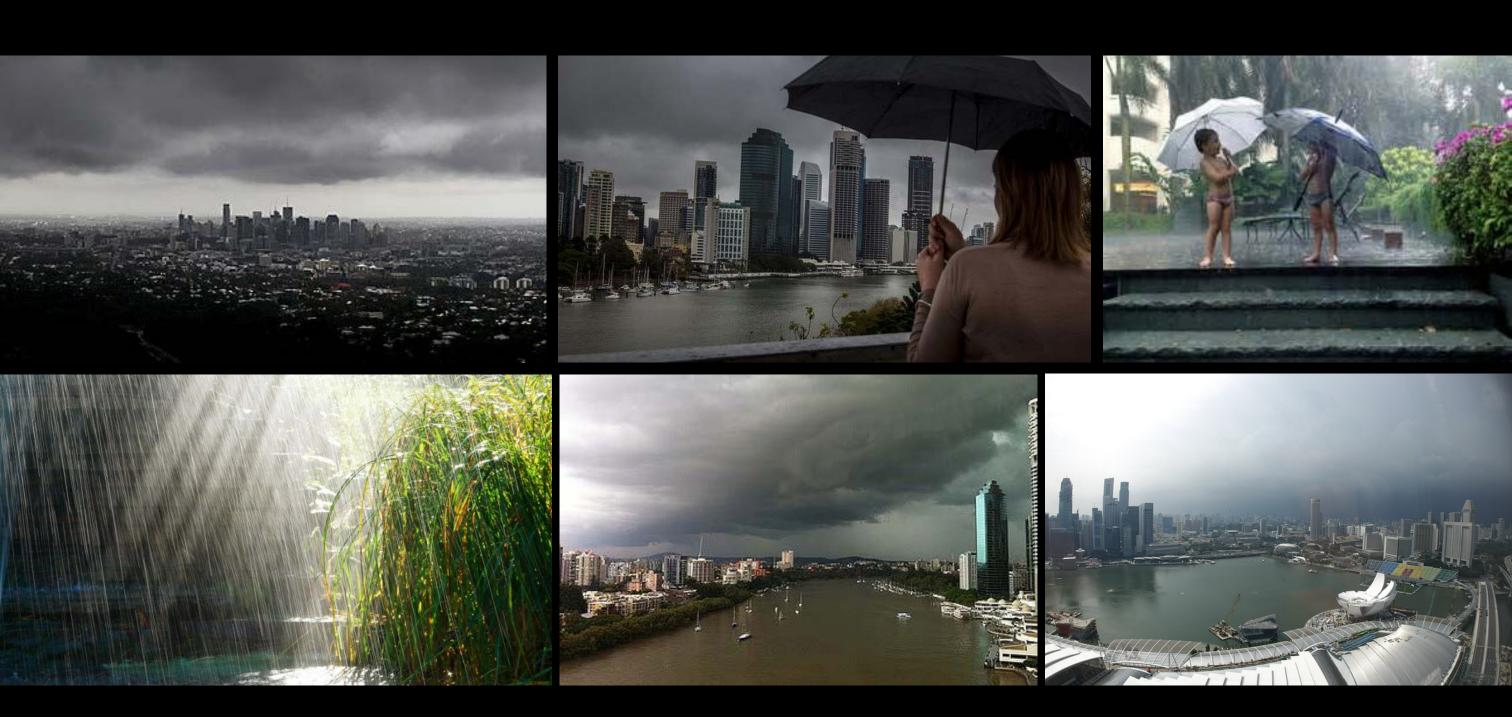






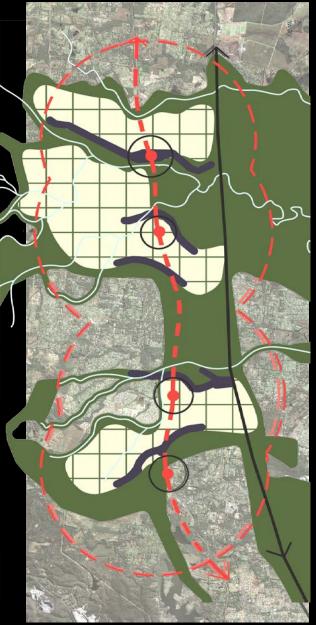


Vegetation can grow profusely in tropical and subtropical climates; coolness, ecology, water, air, human health



Valuable water resource - tropical and subtropical rains



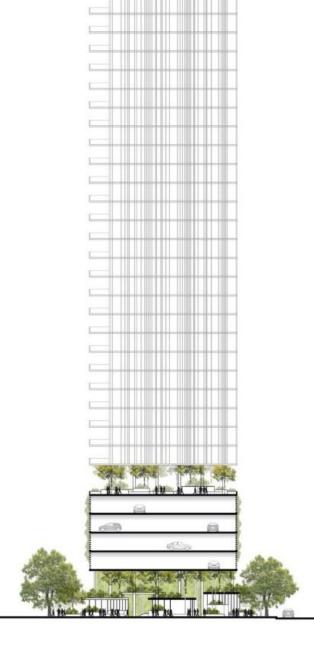


In the tropics and subtropics it makes more sense to create linear neighbourhoods organised around transport and ecological/water and landscape corridors



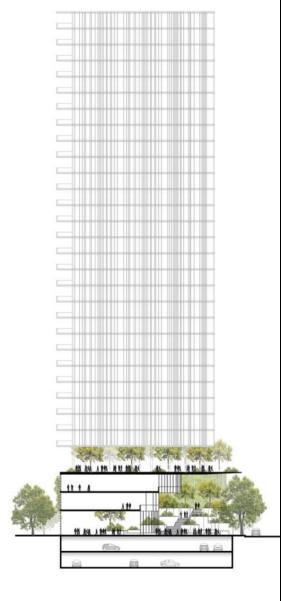
The green stepped terrace garden – filtering water, catching breezes



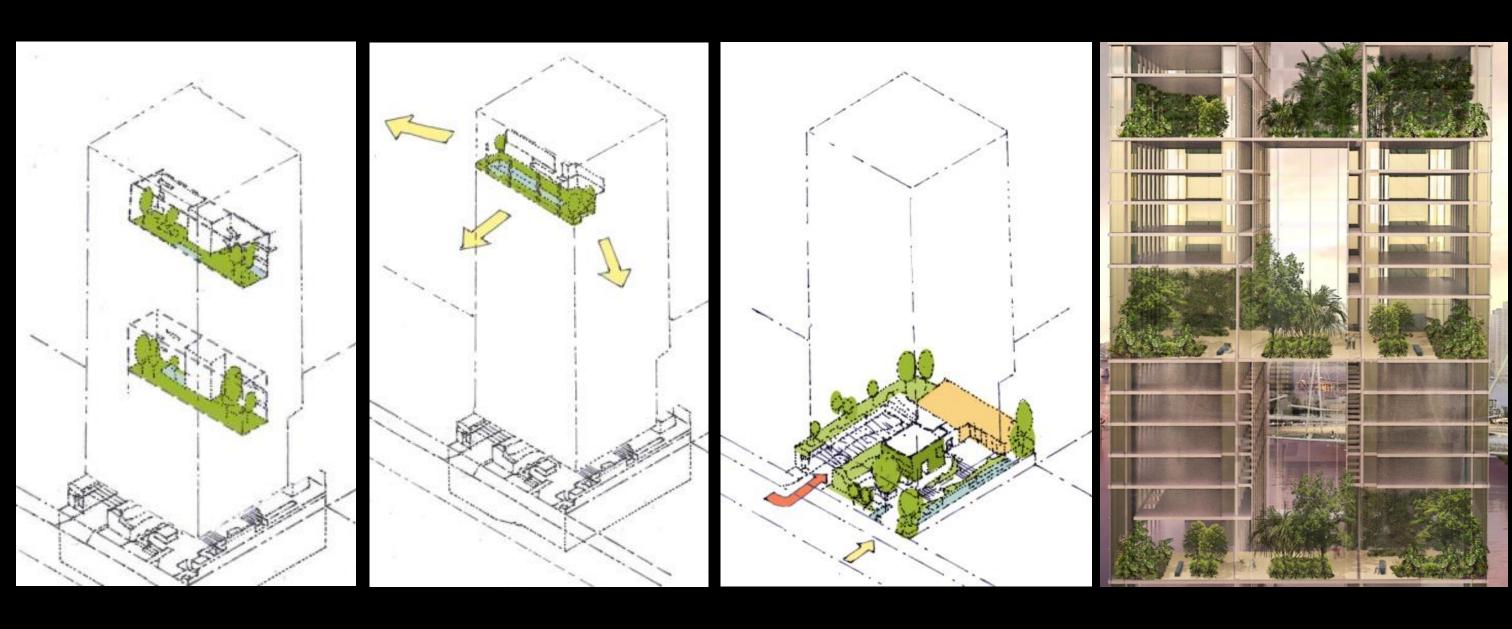


The raised podium - reservoirs of cool air not heat islands - passages for cross ventilation – low energy design

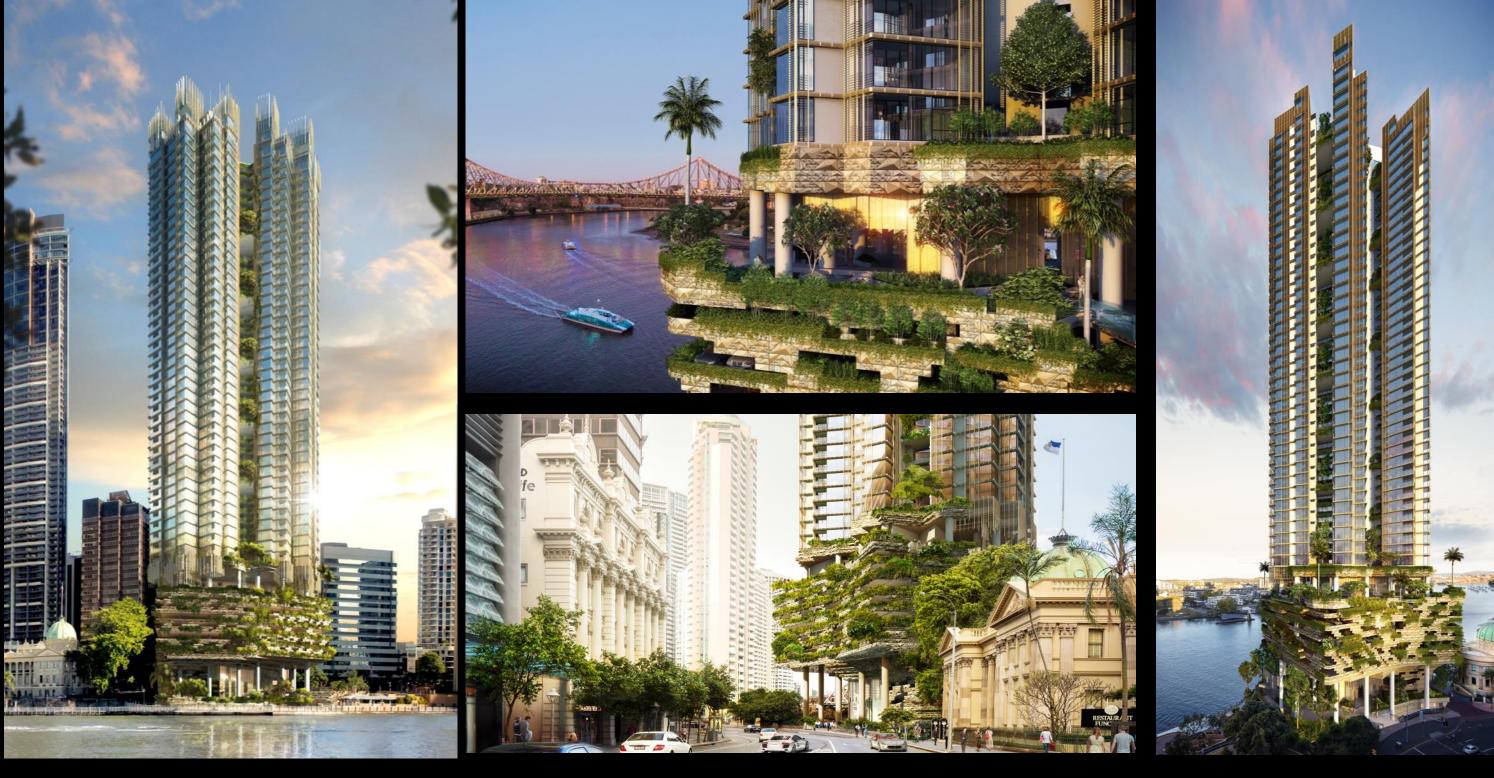




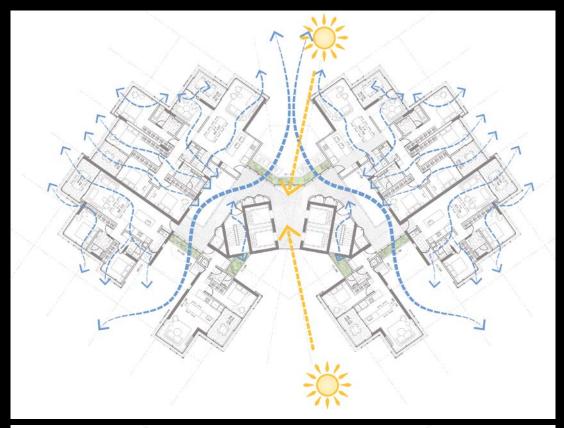
Cool green spaces within the edge of the podium



The building as villages, with gardens to share

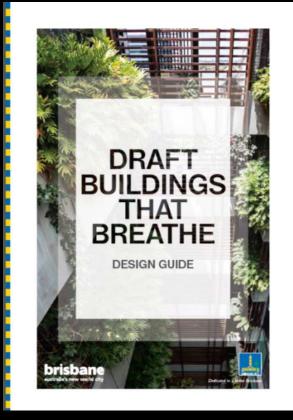


Brisbane's first 'breathing' high-rise: 443 Queen Street, Brisbane by Architectus & WOHA











BUILDINGSTRAT BREA

As the ospital of our state and the heart of our economy, Brisbane's toly centre will showces the highest standard of architecture and subtropied design. Buildings that breathe (bit) are buildings in our dity, centre that embrese our subtropical dimete and showcese our city's urben character and outdoor liferative. Copenness, permeability and a strong connection with the natural environment are the main characteristics of well-designed subtropical cities. The following eight elements from a litter-form that have been identified by brisbane City Cournil as the lay considerations to creating to Midnigh shall beather.

	Ity Council as the key considerations suildings that breathe'.	to
01	ORIENTATE YOURSELF	11
02	OCCUPY OUTDOOR SPACES	
03	ILLUMINATE WITH DAYLIGHT	
04	NATURAL AIR AND VENTILATION	
05	SHADE AND PROTECT	
06	LIVING GREENERY	
07	IDENTITY MATTERS	1
08	REDUCE ENERGY AND WASTE	



Tropical and subtropical cities of the future need to be green, open, porous and connected to nature – by design.

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