Mekong Environmental Resilience Week







14 September 2023

Parallel Session C: Urban Futures in a Changing Climate

Eastin Grand Hotel Sathorn Bangkok, Thailand



Parallel Session C: Urban Futures in a Changing Climate



Dr Diane Archer
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MODERATOR



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Disaster Risk Management
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Mekong Environmental

Resilience Week



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Building Inclusive Urban Climate Resilience Through Multi-functional Public Open Space

Building Climate Resilience in the Mekong Region: Bridging Science, Policy, and Practice

Dr Jianbin Wang
Chief Innovation Officer
Water Sensitive Cities Australia
Monash University

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Climate Resilience in Urban Context

Multiple challenges

- water pollution
- drought and water scarcity
- urban floods
- river degradation
- urban heat island/heat waves

Climate change and extremes

- Exacerbate and compounding events
- Dealing with uncertainty

Multi-functional infrastructure embedded in public open space

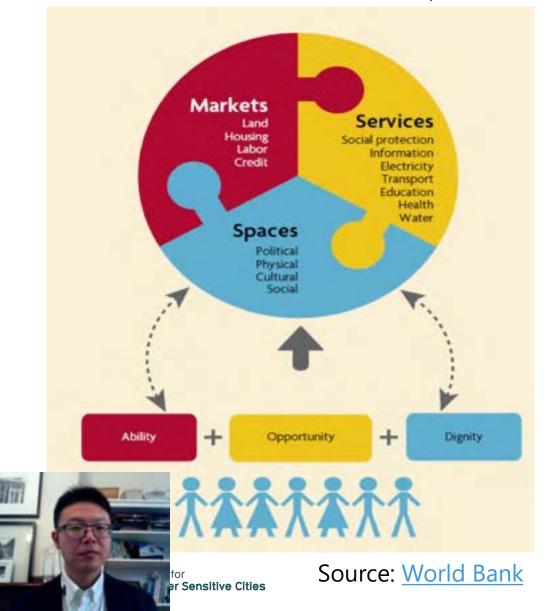






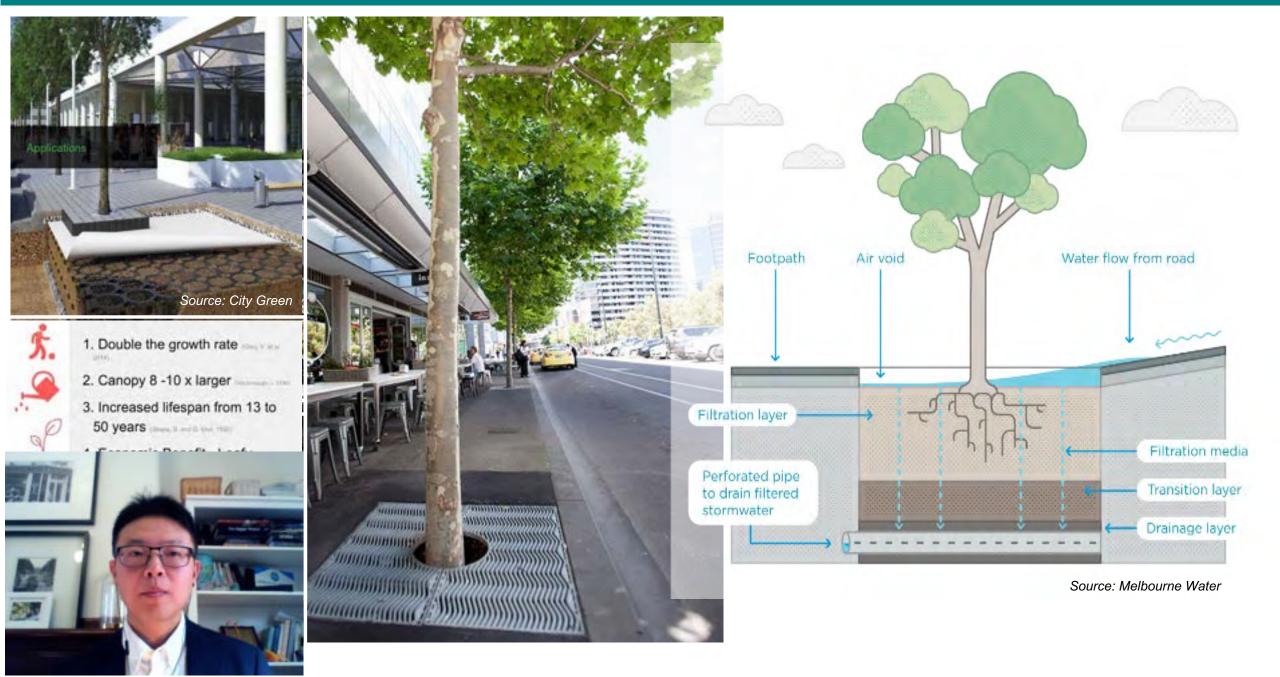
Inclusive Urban Climate Resilience

The most relevant aspects can be clustered under three interrelated domains: markets, services, and spaces



- 1. Multi-functional open space delivering multiple eco-system services and therefore benefits
- 2. Inclusive public open space ensure the services and benefits reach all community
- 3. Social inclusion implemented through design so everyone can participate/take part in society

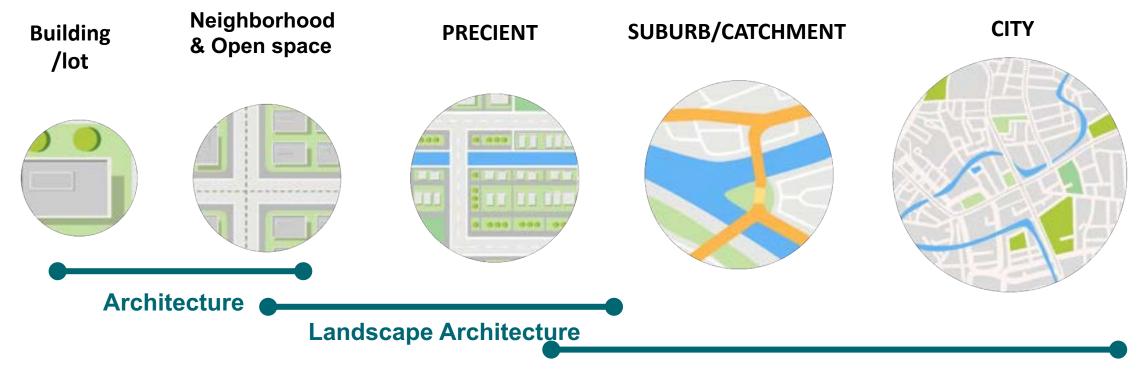
Multi-functional public open space – urban tree pit @ Melbourne



Multi-functional public open space – Kunshan culture plaza



Scalability beyond buildings



Urban Planning and Design









Multi-functional urban park – Kunshan Forest Park



Photo credit: KCID

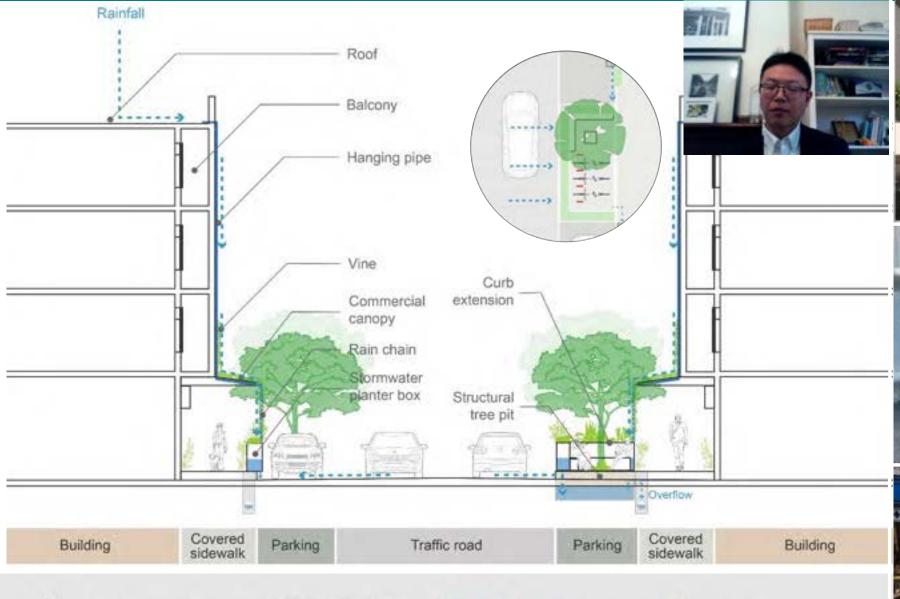
Multi-functional City Corridor – Kunshan Ring Road



Building Climate Resilience for City of Rayong, Thailand



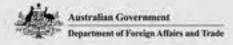
City of Rayong – Green Canyon Strategy

















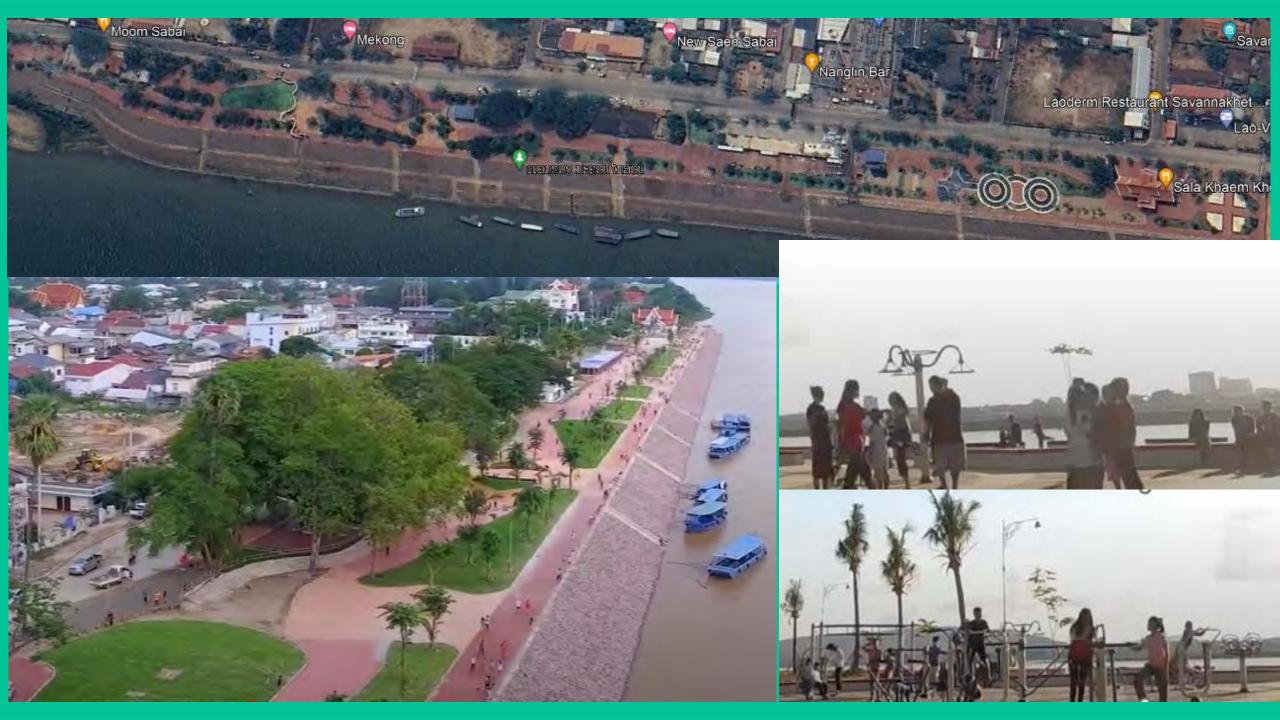


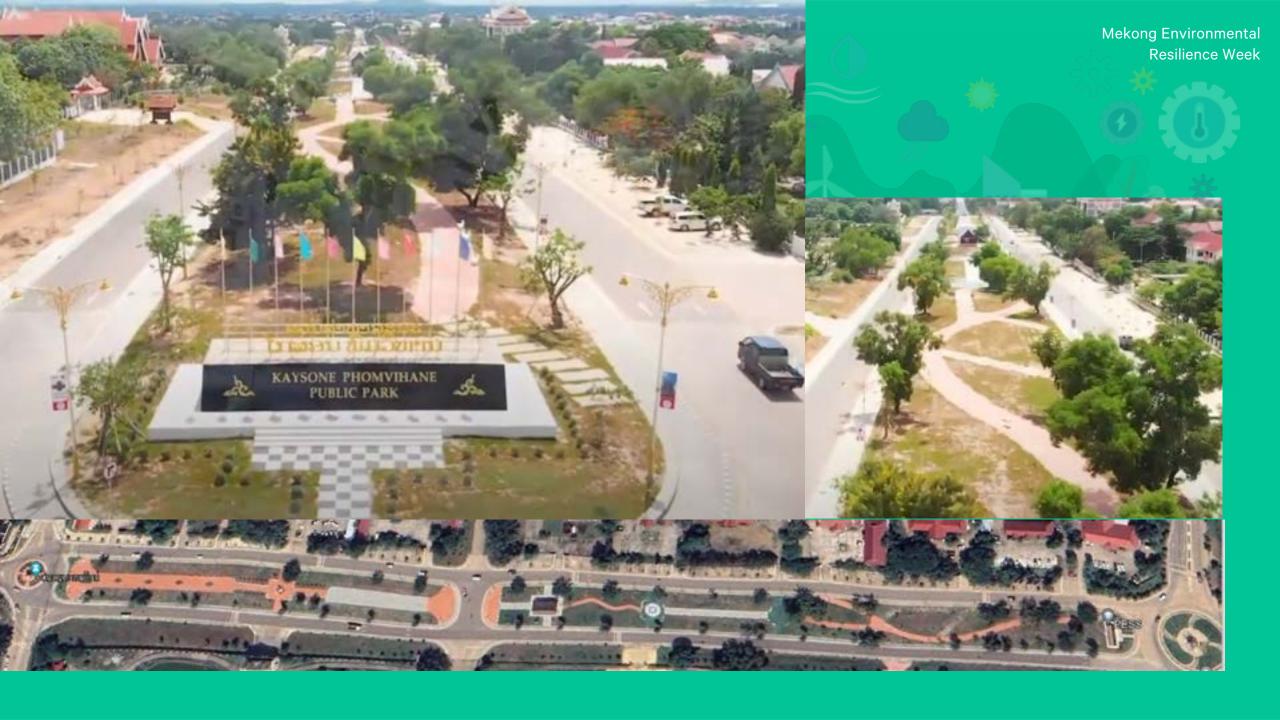
Urban Regeneration – Kunshan Sponge City Demonstration Park



















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Thank you!

