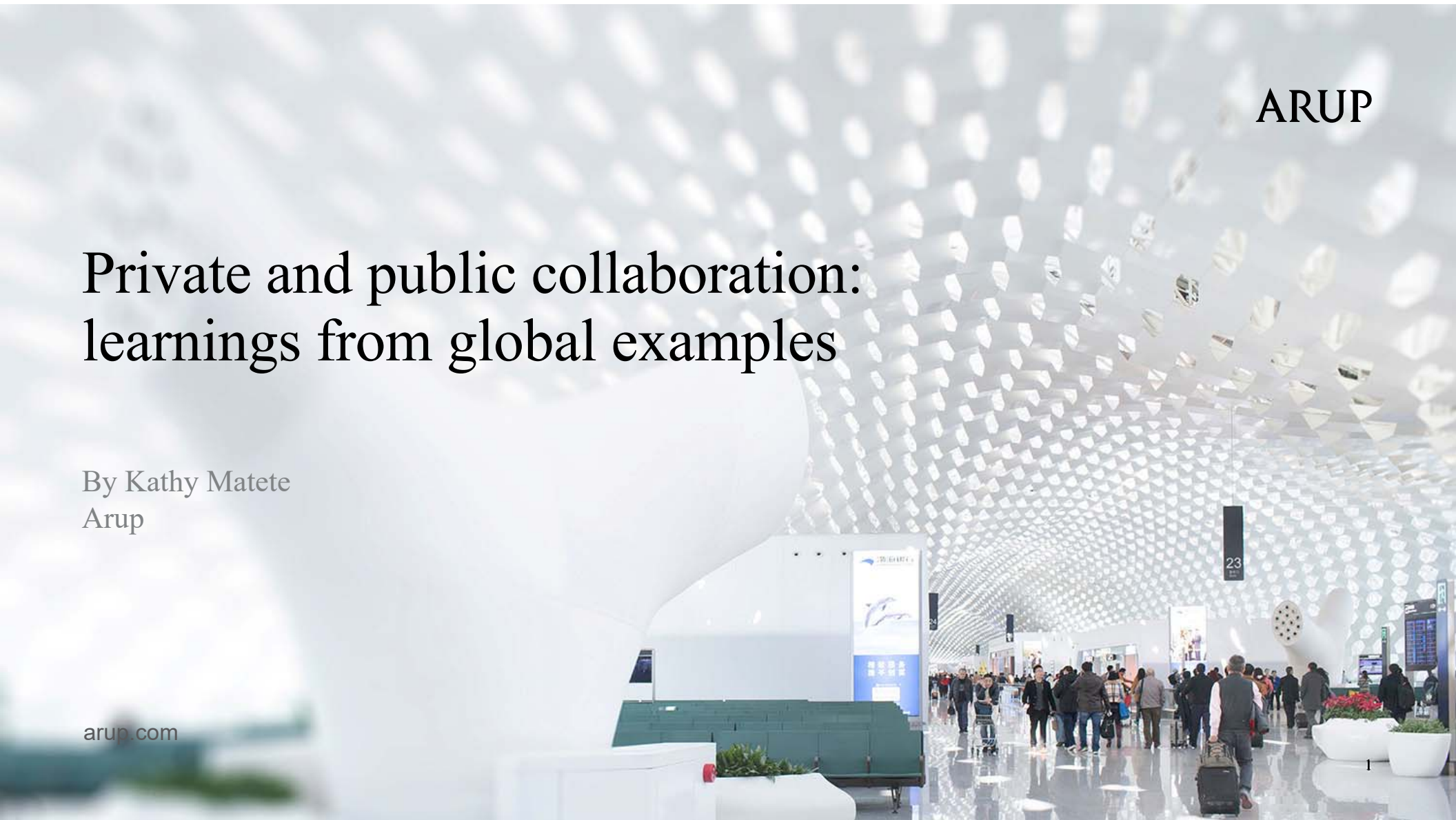


ARUP

Private and public collaboration: learnings from global examples

By Kathy Matete
Arup

arup.com



14% GHG emissions from transport

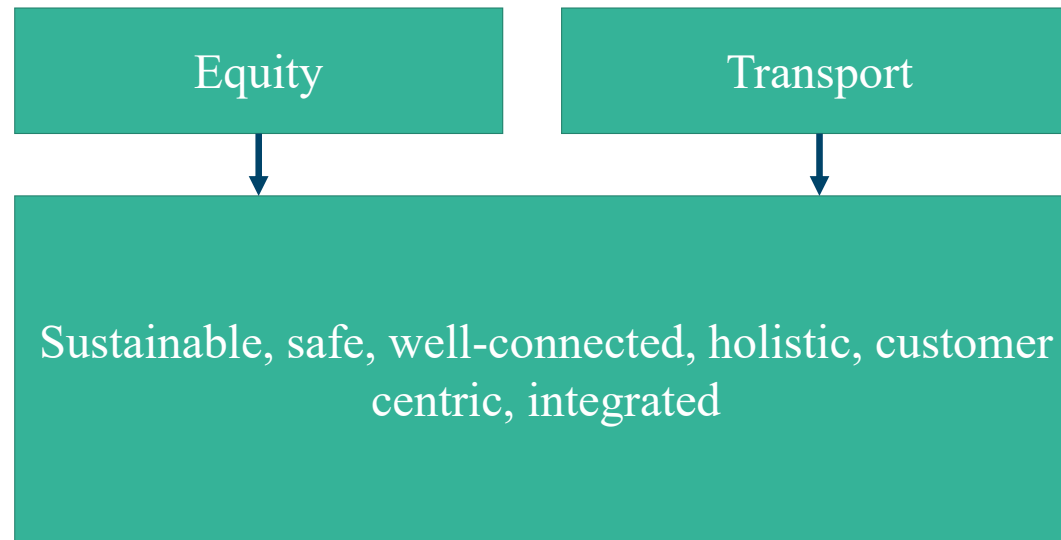
↑ Urban growth

↑ Cultural
Economic
Social
Environmental

↑ Equity issues

The link between equity and transport is sustainable cities

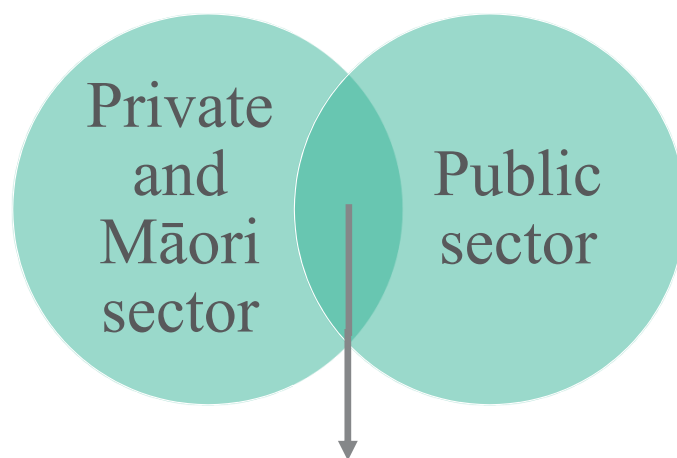
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How to create equity in our transport system?

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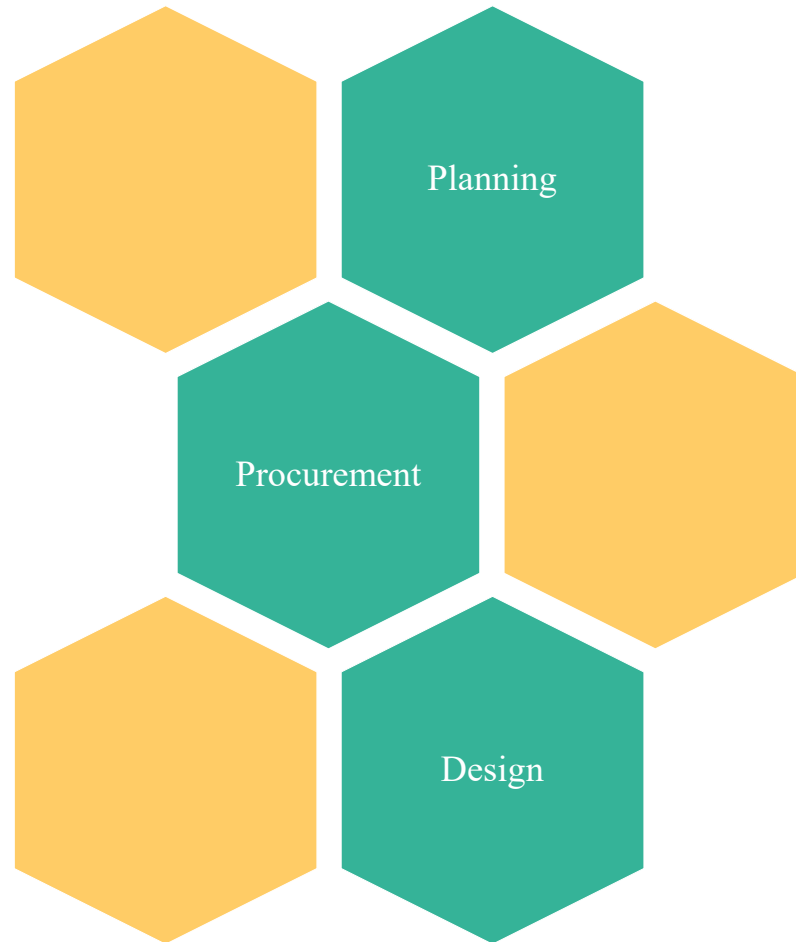
- How do we create equity through sustainable cities and communities?
- New ways of collaboration between private and public sector.



Sustainable cities and communities

Our mechanisms

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Our traditional ways of working

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		Stage and roles							
Model	Model name	Identify need	Propose solution	Design	Financing	Construction/development	Operation	Ownership	
1	Bid/build	Public sector				Private sector	Public sector		
2	Design/build	Public sector		Private sector	Public sector	Private sector	Public sector		
3	Design/build/finance	Public sector		Private sector			Public sector		
4	Design/build/finance/operate/maintain	Public sector		Private sector					Public sector

Our traditional ways of working

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Effects:

1. We solve problems in silos
2. Opportunity cost of innovation

we need innovation in private, Māori and public
collaboration

we need a new model with new roles

The Smart Collaboration Model (SCM)

New model and new roles

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Model name	Identify need	Propose solution	Design	Financing	Construction/development	Operation	Ownership
SCM I	Public	Public/private/ Maori and Pacifica	Accelerator/ private sector			Public	
SCM II	Public	Public/private/ Maori and Pacifica	Accelerator/ private sector				Public

Source: Kathy Matete

Outcome – equitable and sustainable communities



Case study 1: Waterfront Toronto Master Plan

*Waterfront Toronto IDEA District extent
(Source: Toronto Tomorrow A new
approach for inclusive growth Volume 2*



arup.com

Manchester
Innovate UK IoT City Demonstrator

cityverve

ARUP

Case study 2: Manchester CityVerve

 MANCHESTER
CITY COUNCIL


CISCO

 MSP
MANCHESTER
SCIENCE
PARTNERSHIPS

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Innovations from Manchester CityVerve

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AIR QUALITY MONITORING



TALKATIVE BUS SYSTEM



Key takeaways

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- ✓ NZ has some big challenges – e.g. net zero carbon by 2050
- ✓ equity + transport = sustainable cities and communities
- ✓ We need to collaboration models like the Smart Collaboration Model (SCM) to help us reach these goals
- ✓ There are great learnings we can take from global examples and adopt for NZ eg co-design, collaboration,

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Thank you

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