Inter-Modal Transport Data-Sharing Programme – Update July 2019

A: Introduction and Background

The Technology Research Project (TRP) under the direction of Dr John Ure is collaborating with Associate Professor Zhou Jiangping of the Department of Urban Planning and Design at The University of Hong Kong (HKU) to launch an *Inter-Modal Transport Data-Sharing Programme.* This is a *public policy research* initiative, meaning that it combines the rigour of academia working closely with operators, vendors, government and NGOs around *practical use-cases* for the direct benefit of operational efficiency, smarter city management, mobility-as-a-service and cleaner air for citizens.

A proposal, which is to be submitted to the Innovation & Technology Fund (ITF) has attracted the support of *all* the major transportation companies in Hong Kong, relevant government agencies, over twenty vendors, data scholars from across all the universities in Hong Kong, independent researchers and NGOs. Among our advisors is also Dr Dorothy Chan, ex-Deputy Transport Commissioner and now at HKU Space. It is hoped we can raise sufficient sponsorship commitments to submit the proposal for the 4Q 2019.

The Vision			
Intelligent mobile applications and practices across Hong Kong to spur social welfare, green innovation, cost-savings and energy efficiencies to make for a smarter city			
Table 1: The Research Programme (subject to revisions)			
Month	Research	Events	Event
1.	Data-sharing issues: Interviews with stakeholders	Founding Conference of Stakeholders	Stakeholders Representative Working Group - agenda stetting; establishing *ad hoc* sub-WGs (SWGs)
2.	Use-case research working with sponsors, operators and government agencies Hong Kong and overseas	Demo-projects: 1. Sponsor/Vendor A 2. Sponsor/Vendor B 3. Seminars for students and/or the public	Stakeholders Representative Working Group – presentation of ongoing findings, data-sharing options and feedback
3 - 6	ditto	ditto	ditto
7.	Report with data-sharing options based upon specific use cases	Concluding Conference of stakeholders	Meeting of sub-WG ad hoc participants
Note 1: Use-cases will focus on Hong Kong, but with examples of data-sharing and mobility services from other world cities (with speakers from those projects) and the Greater Bay Area (GBA)			
Note 2: The value of output lies in (a) the specific use-case based outcomes in Hong Kong to achieve multimodal data sharing to increase operator efficiencies, smart city management of congestion and pollution, and value-added passenger services to citizens and travellers; (b) enhanced payment systems and cross-border services with the Greater Bay Area			

B: Research Phases 1 and 2 and 3

Because it takes time to arrange for sufficient sponsorship prior to making the ITF application, the research is proceeding in stages supported directly by individual sponsors and carried out by the TRP HK Team. The sponsorship is contracted through TRPC, a consulting company registered in Hong Kong and Singapore which also donates money to HKU to support TRP non-commercial projects. For disclosure, Dr John Ure is a director of TRPC, but TRPC has no commercial interests involved with these research projects.

Phase 1 –Research by the HK Team **funded by MTR**: ended April 2019
   (1) Focus: fully understanding the data needs of stakeholders, the types of data collected, the barriers to data sharing
   (2) Presentation to a forum of all the transport companies on 27th May 2019

Phase 2 – Research by the HK Team **funded by KMB**: ends July 2019
   1. Focus: the types of use cases that are relevant to operators, government and NGOs in Hong Kong and ways to explore them
   2. Presentation to a form of (a) government agencies, and (b) other all other stakeholders on 24th June 2019

Phase 3 – Research by the HK Team **funded TBD:** runs September – November 2019
   1. Focus: working on actual use-cases with sponsors, operators, vendors, government and other interested parties
   2. Presentation to a forum of stakeholders planned for December 2019

C: Workshop in September

A workshop is being planned for September 2019, open to all interested stakeholders, to work through use-case methods and models of data classifications for the purposes of multimodal data-sharing, drawing upon international business best practices. Sponsors are invited.

D: Data Innovation Node

To support data-sharing analytics and the development of use-cases, sponsors such as vendors who are working with two or more operators and/or a government agency will be invited to donate on a privacy-protected basis anonymised data for analysis and desk-top modelling.