The Market for MaaS

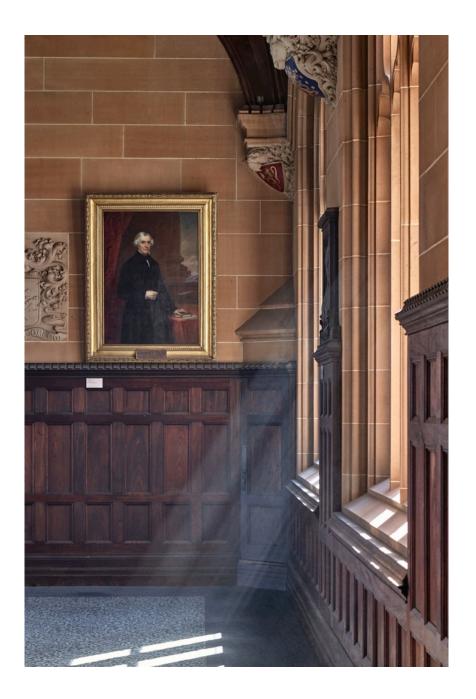
Research Showcase

Shining the Spotlight on MaaS Research 18 July 2018

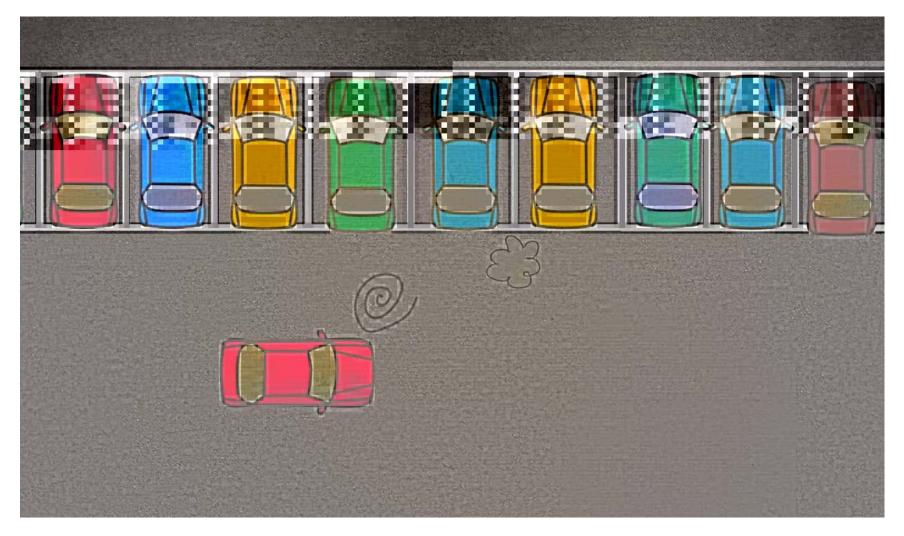
by

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Mobility as a Service: A Concept



Mobility as a Service: A Working Model

L1 Clip slide

Current MaaS Packages – Offered Today



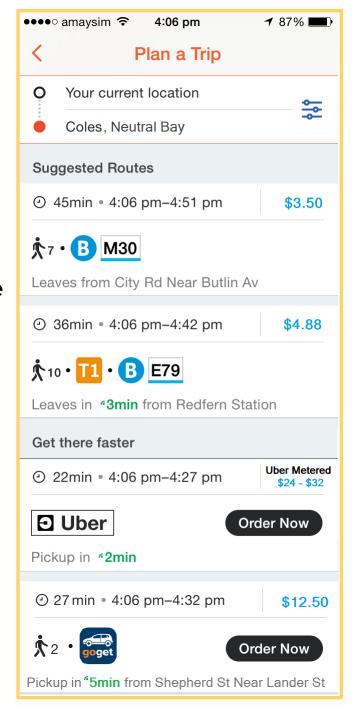
Maas GLOBAL

Source: https://www.slideshare.net/InfinITnetvaerk/whim-mobility-as-a-service/10

Freedom of Mobility

Summarising the Concept

- One-stop access to a range of mobility services across PT and private modes
- Real time information, instant journey planning, booking, and billing
- Major players brought together diverse stakeholders
- Operate on the 3Bs future (Hensher):
 - Bundles: granting customers a defined volume of access, with a specified LOS
 - Budgets: matching customer needs/WTP more closely with service supply
 - Brokers: choosing the business models around which MaaS will be delivered
- Benefits to users, providers, and society



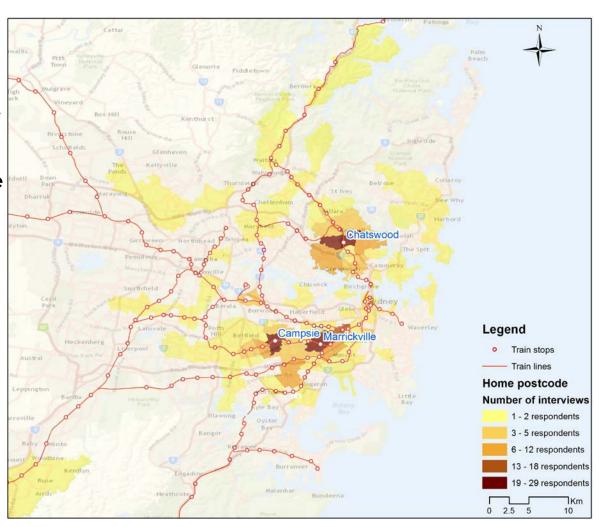
Service Delivery Models

Yale's talk today

The Customer Preference Study

SYDNEY, AUSTRALIA

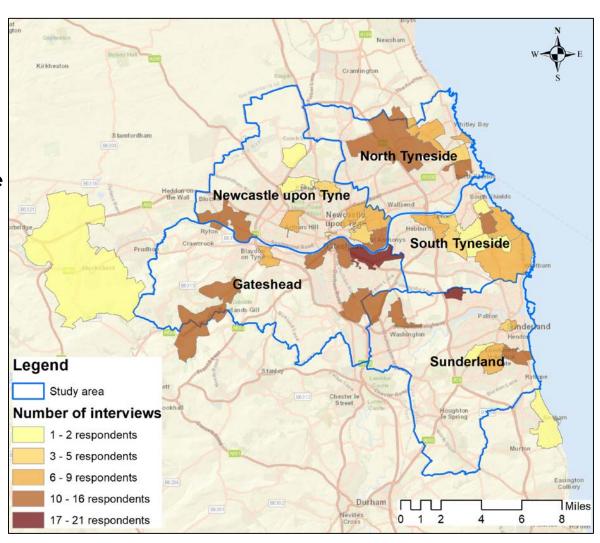
- CAPI face-to-face
- 252 interviews from Mar
 to Apr 2017
- Took 17 mins on average
 with std. dev = 5 mins
- All people 18+ are eligible with no quotas



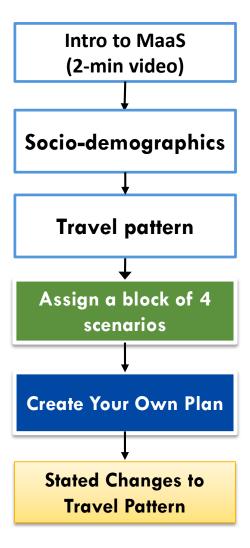
The Customer Preference Study

TYNESIDE, UK

- CAPI face-to-face
- 290 interviews in Feb2018
- Took 17 mins on average
 with std. dev = 8.6 mins
- All people 18+ are eligible with no quotas



The Survey Flow

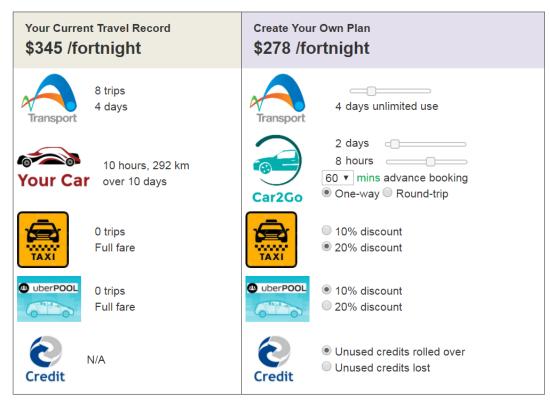


The SP Experiment in Sydney

Scenario 1 (of 4)

Your Current Travel Record \$345 /fortnight		Plan A \$150 /fortnight		Plan B \$115 /fortnight		Pay-As-You-Go Plan \$15 /fortnight	
8 trips 4 days		Transport	Unlimited trips 6 days	Transport	Unlimited trips 6 days	Transport	Pay as you go
	urs, 292 km 0 days	goget	13 hours (10 hours = 1 day) + 30min advance booking + round-trip car sharing	Car2Go	7 hours (10 hours = 1 day) + 15min advance booking + one-way car sharing	goget	\$8.5/hour + 40c/km capped at \$85/day + 60min advance booking + round-trip car sharing
Full fa	ire	TAXI	20% discount	TAXI	10% discount	TAXI	10% discount
uberPOOL Full fa	ire	uberPOOL	20% discount	uberPOOL	10% discount	₩ uberPOOL	10% discount
Credit N/A		Credit	Unused credits will roll-over to next period	Credit	Unused credits will be lost (use it or lose it)	Credit	Pay-As-You-Go
○ I'll continue doing what I'm doing		○ I'll buy this plan		○ I'll buy this plan		◯ I'll buy this plan	

The Safety Net: CIY Plan (in Sydney)

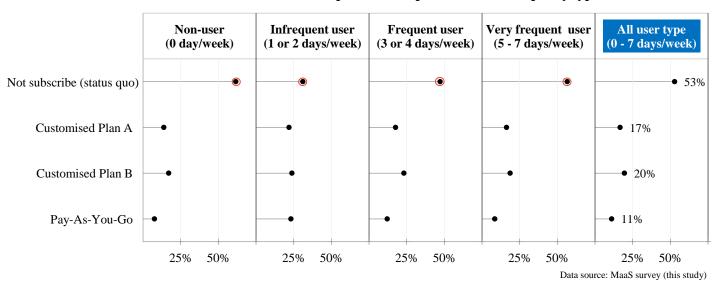


If the Plan you created above were available today, would you buy it? O Yes O No

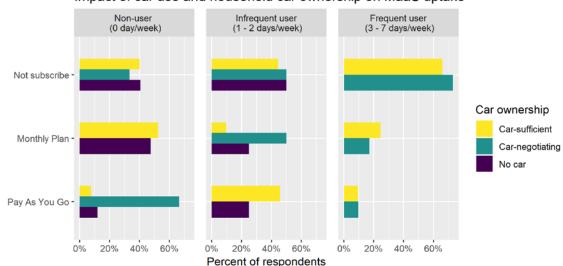
Back Next

Car Use and MaaS Uptake in Sydney

Stated shares of MaaS Options in the presence of status quo by type of car user



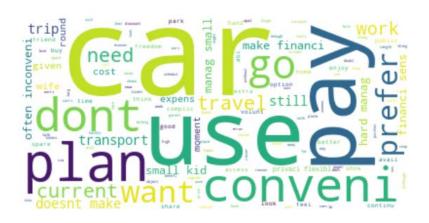
Impact of car use and household car ownership on MaaS uptake



Main Reasons for Not Taking Up MaaS

Sydney

Tyneside

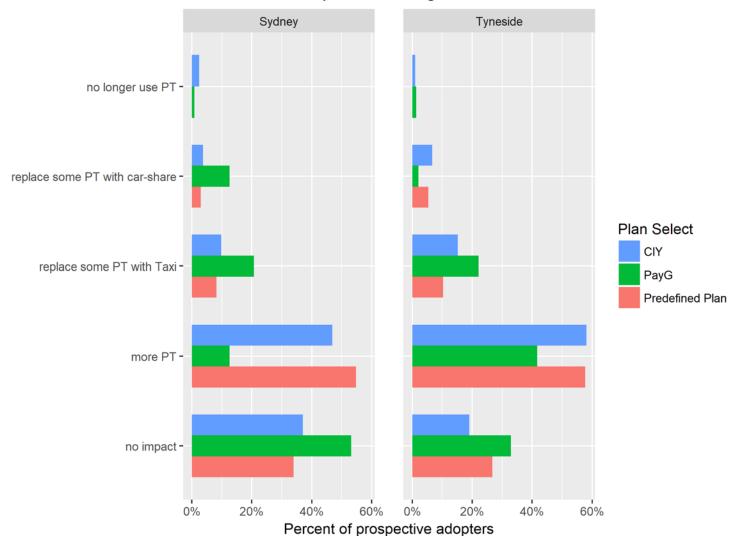


easier monthii know port to the pass of th

"I prefer the freedom and privacy and flexibility of my own car" "can see benefits and costs look good but it about time and convenience and transporting children ..."

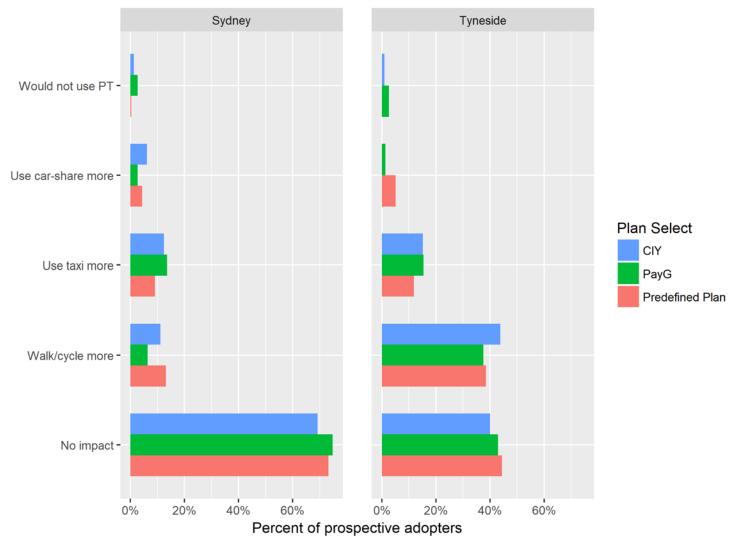
Impact of MaaS Uptake on PT Use

How MaaS take up would change PT use



Will MaaS Address First/Last Mile Issues of PT Use

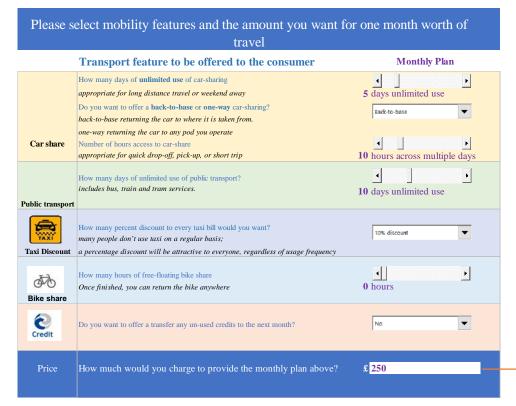


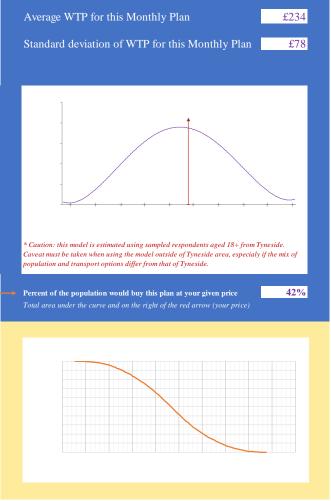


WTP for Mobility Entitlements in Sydney

MaaS component	WTP (\$/fortnight)	
An hour access to car-share	\$6.39	
A full day access to car-share (10 hours)	\$63.85	
One-way car-share	\$7.27	
Round trip car-share	\$0.00	
Every 15 minutes increase in advance booking time	-\$1.06	
A day of unlimited PT use	\$5.92	
10% discount to every taxi bill	\$3.68	
10% discount to every ride-sharing bill	\$7.18	

Decision Support System (DSS) for Tyneside





Conclusions

- Understanding customer need is critical for the success of MaaS
 - Current travel patterns are most important to MaaS uptake
 - Importance for packaging and pricing (i.e., bundles and budgets)
 - Importance of market segmentation
 - Preferences need to be updated over time with on-going research capturing changing experience
- For a significant proportion of the population, cars will still be king
 - People value the convenience of their own cars
 - They see benefits of MaaS but are not willing to scarify their cars
 - MaaS is better a substitute for second household car, but not the only one
- Impact of MaaS on public transport use varies by business model
 - PayG business model increases uptake but promotes less sustainable choices
 - WTP for car-share is more or less the same as market price but WTP for PT is much lower than daily cap: cross-subsidy is required.