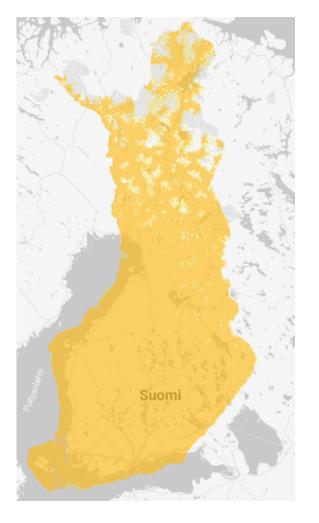
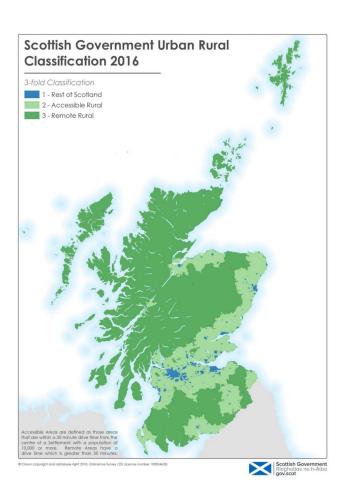
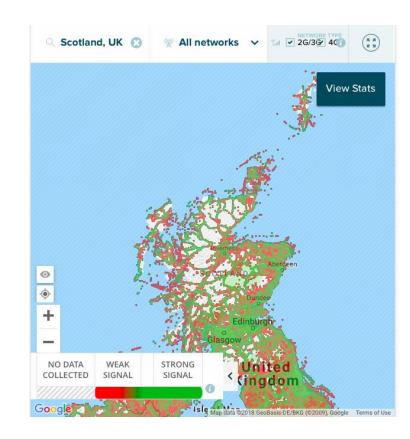


- MaaS Definition
- Case Study in America
- 3 Portugal
- Cairngorms Connected
- 5 Inverurie
- Conclusion



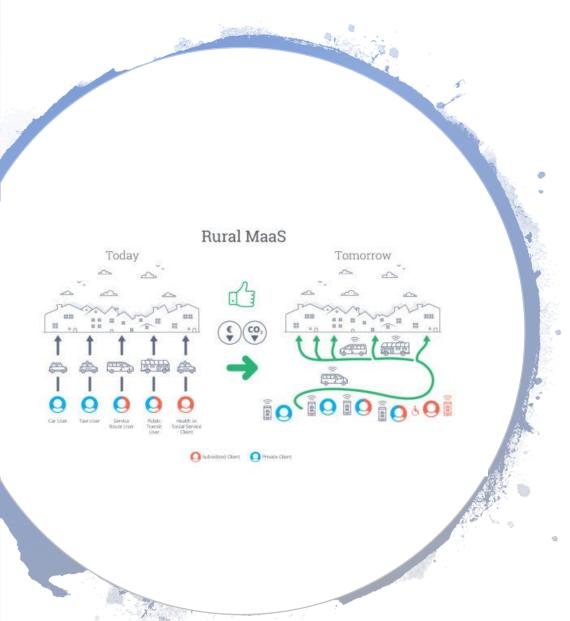




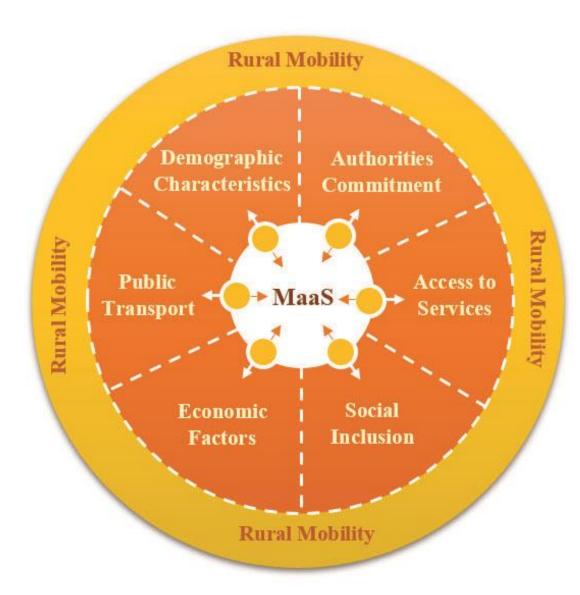
- 98% of Scottish land mass is rural
- 17% of the population lives in rural areas and growing faster than urban areas
- Compared to urban populations, those living in rural areas are:
- Ageing faster
- Far more likely to own a car
- Most likely to travel by car even if they don't own one
- Spending far more on fuel
- Less satisfied with public transport
- Less likely to be within a reasonable drive time of essential services
- Accessing largely subsidised bus services
- Using older infrastructure
- Across the UK, disproportionately more GP surgeries, Post Offices and bank branches have closed in recent years in rural areas
- Social isolation and loneliness are a significant concern







Source: MaaS Alliance 4th June 2019 https://maas-alliance.eu/how-about-maas-in-rural-areas/



Source: Barreto et al (2018) MaaS in rural regions: an overview

Tompkins County, Upstate New York



Internationa

Project Last Mile forges ahead in 2018

17/01/2019

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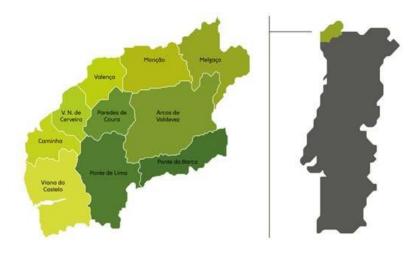






Leveraging The Coca-Cola Company's distribution, logistics and marketing expertise to improve the availability of life-saving medicines and demand for health services across Africa

The ALTO MINHO. SMOB Project, Portugal





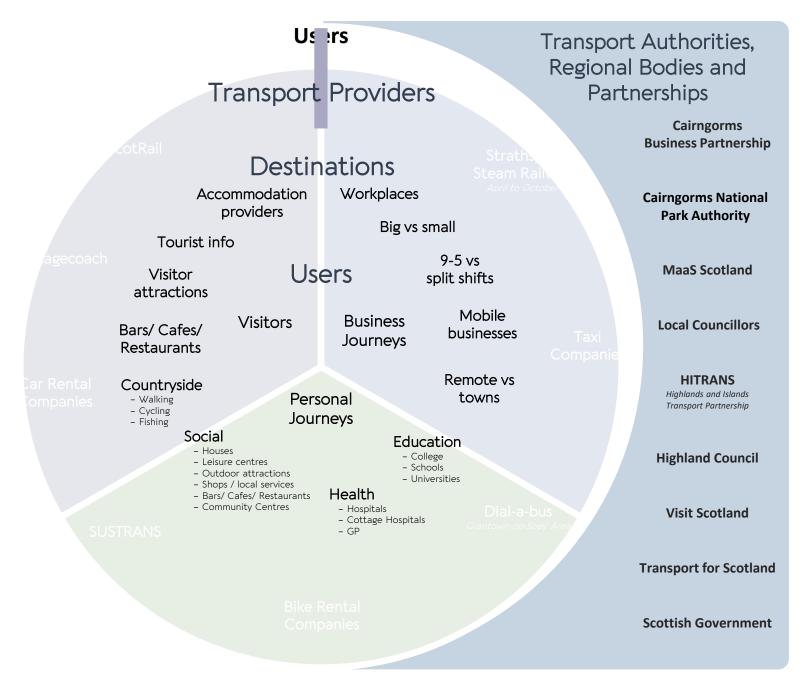
Cairngorms Connected

To understand how and why people travel in the Aviemore/Boat of Garten/Grantown on Spey area

To understand what barriers/challenges people/visitors face to travel

To understand the need and opportunities



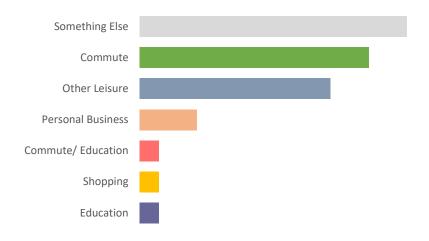


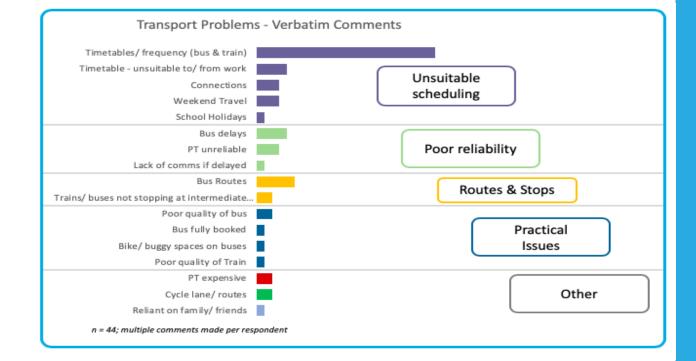


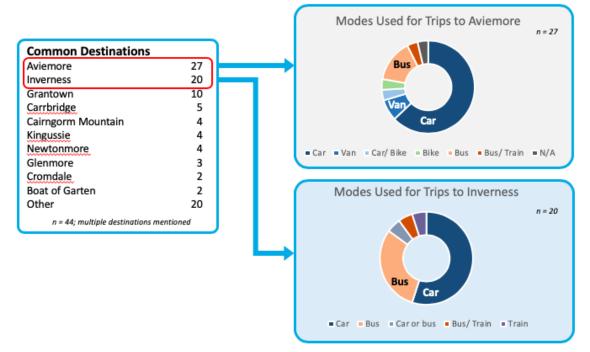
	Cairngorms Connected	Inverurie
1-2-1 Transport Stakeholder meetings	X	X
1-2-1 Street Interviews (visitors)	X	
1-2-1 Street Interviews (locals)	X	
1-2-1 Interviews with Businesses, local experts and communities	X	
Online survey (locals)	X (currently underway)	X
Online Survey (visitors)	X (currently underway)	
On Bus Interviews	X	
Transport Stakeholder Focus Group	Х	X
Drop In session with local community		Х
Community Café and Lunch Club engagement sessions	Х	
Business community workshop	Х	Х
Insights and Co-design workshop with key stakeholders	Х	Х



Today's Journey Purpose

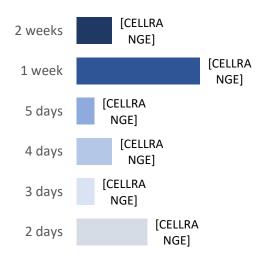




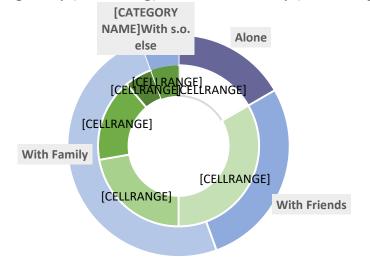


airngorms Connected

Duration of Visit



Travelling Party (outer ring); Number in Party (inner ring)



Average Duration of Stay = 5.9 days

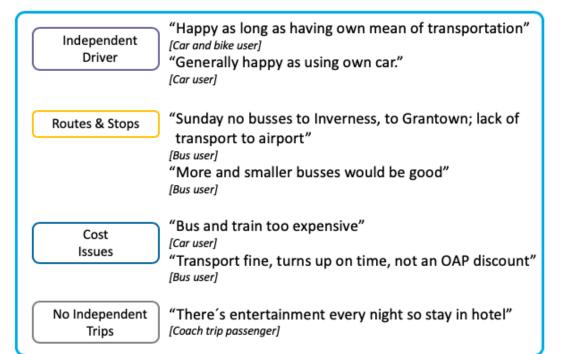
Mode used to get to Region

Car 61%
Bus 28%
Bike 6%
Private Coach 6%

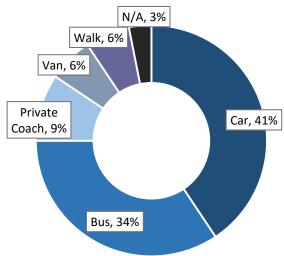
Difficult-to-reach Destination & preferred Mode

Elgin Bus
Loch an Eilein Bus
Safari Park Bus
Airport Bus

Note: These were all cited by people who had travelled by bus



Modes Used for Excursions



Real World Visitor Challenges

Chris and his wife and four friends are travelling from Bristol for a cycling holiday taking with them their bikes. They are travelling to Aviemore and will cycle from Aviemore to John O'Groats and staying in Golspie after reaching John O'Groats.

How do the group of friends travel from Bristol to Aviemore with 6 bikes?

Car

Why do they chose this mode of transport?

Only 2 bikes can be booked on a train and that would mean several train journeys and the friends can't travel together.

The weather turns poor near John O'Groats. How do they reach their BnB at Golspie on a Saturday on their return journey to Aviemore?

Hitch hiked and found a bike touring company that had dropped off a group of cyclists and was returning to Inverness



Summary

- · Half of all visitors to the area come from other parts of Scotland
- Around four out of five visitors are there for the purpose of holidaying or other leisure activities. On average, they stay
 for just under a week (5.9 days)
- Around two thirds of visitors arrived by car, and four out of five visitors were travelling with other people.
- There is some evidence that visitors arriving by car may use other modes to get to the main tourist attractions and towns, though this is likely to be active travel rather than public transport
- Few visitors mention transport problems in the area; those that do comment on the perceived cost, and scheduling/routing issues.
- Visitors find getting the right information about bus schedules, or where to find, for example, e-bike hire locations.

Needs

- Visitors generally have fewer stated needs of transport in the region, most likely as a result of choosing where to visit when planning their visit, based on the mode of transport used to reach the area.
- Those arriving by bus do need regular bus transport options to places such as the wildlife park (including Saturdays and Sundays) which they cannot otherwise visit
- Alternative modes to the car once in the area is perhaps the greatest potential need, though without explicit awareness of local transport options, is not recognised as something that car visitors might want.
- Those bringing bikes or skis want bike or ski racks on buses; others want to be able to easily hire and use a bike to get to areas of interest
- Easily accessible, reliable information about mode availability (schedules, routes), location (e.g. bus stops), and current status (real time info) is vital for those wanting to travel by public transport



Personas Locals



16; Student Age: Cromdale Home:

Travels daily to Highland & Island Journey:

Inverness College

Parents or friends' parents Car: Tech: Smartphone, tablet, laptop

Money: From parents; has a Saturday & Sunday

job in Aviemore



35; Hidden Disability; kitchen worker Age:

Home: Kingussie

Shops twice a week in Aviemore; Journey:

socialises at weekends

Can't afford one; uses the bus, or gets Car:

lifts with friends

Smartphone; limited data Tech: Living wage; no dependants Money:



52; Full time librarian Age:

Home: Kingussie

To work, at Grantown-on-Spey 5 days a Journey:

week (incl. weekends); shift patterns

Husband is primary user, for commute Car

Tech: Smartphone, Tablet

Stable job; husband works too Money:



72; retired Age: Home: Coylumbridge

Money:

Regularly attends Aviemore Medical Journey:

Center & Aviemore community Café

Car: Owns car, increasing medical issues Landline, basic mobile phone, not tech Tech:

> savvy, no computer usage Comfortable, but careful



33; unemployed mum, 2 young children; Age:

seeking work

Home: **Boat of Garten**

Journey: Medical, nursery, shopping Aviemore

Car: No car

Money:

Smartphone, limited data Tech:

> Tight; reliant on husband's job (he gets a lift to work with a colleague as no car)

The state of the s

Age: 71; Retired
Home: Stoke-on-Trent

Journey: Travelling with his wife around the

Highlands on a week's coach trip

Car: Local trips at home Tech: Smartphone, laptop

Money: Company pension; goes on trips up to a

week 3 or 4 times a year



Age: 41; married mother, two daughters

Home: Peterborough

Journey: Holidaying in a cottage in Aviemore, day

excursions to different places

Car: Drove in their own car; use it for all trips

Tech: Smartphone; laptop

Money: Employed part-time; one foreign holiday

and one week's UK holiday per year



Age: 29; lives with his girlfriend, works for a

publishing company

Home: Denver, Colorado

Journey: 10 day Scotland vacation; flew to

Glasgow, rented a car at the airport

Car At home

Tech: Smartphone, Tablet, Laptop

Money: Loves travelling, always flies and drives



Personas Visitors



Age: 44; runs creative services business; single

Home: Brighton, E. Sussex

Journey: Travelling on the Caledonian Sleeper from

London

Car: Rarely needs to drive at home, cycles

Tech: Smartphone, tablet, laptop

Money: High disposable income; enjoys experiential

trips both alone & with friends

Objectives

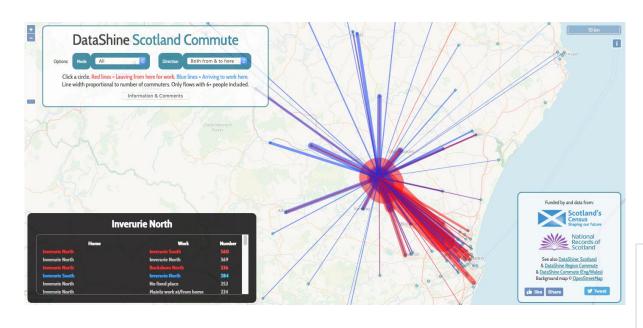
Inverurie, Aberdeenshire

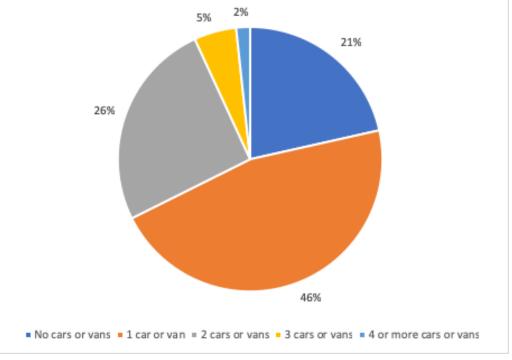


To understand user needs (passengers and freight) for mobility services in and around Inverurie

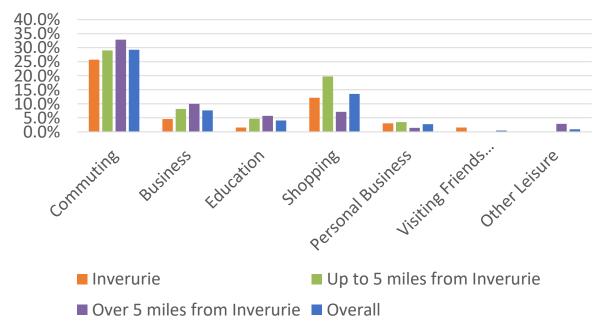
To identify mobility gaps and opportunities

To scope a small trial in Inverurie to meet the identified needs

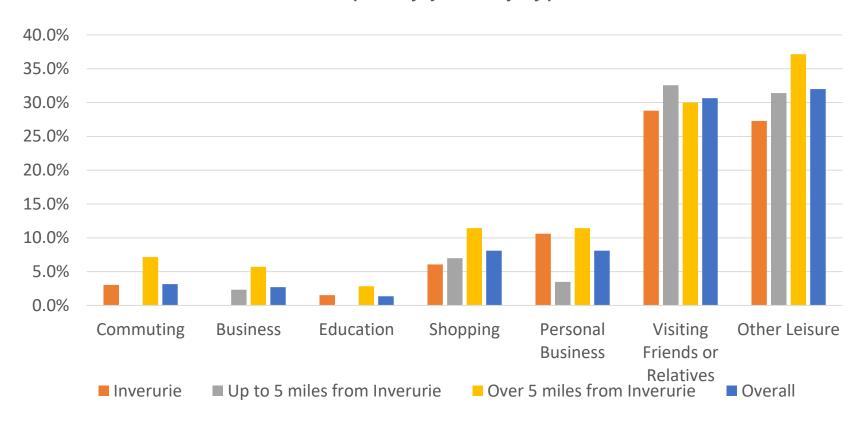




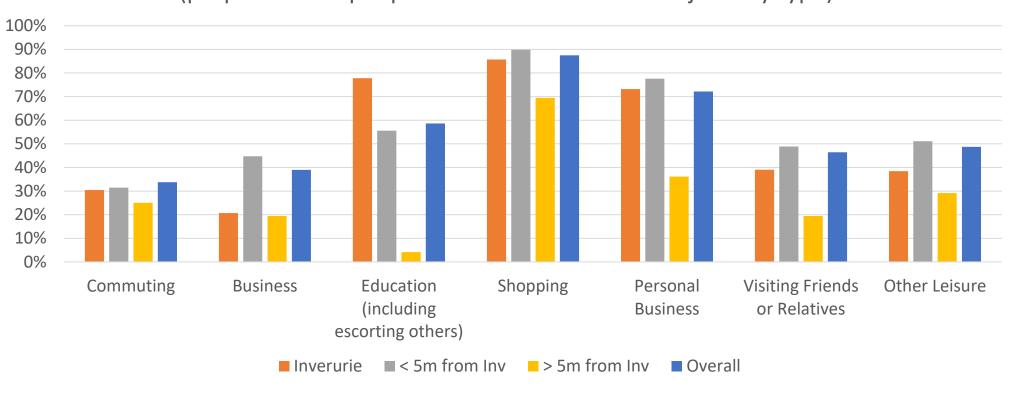
Proportion of respondents saying they would prefer to make **fewer** trips, by journey type and home location



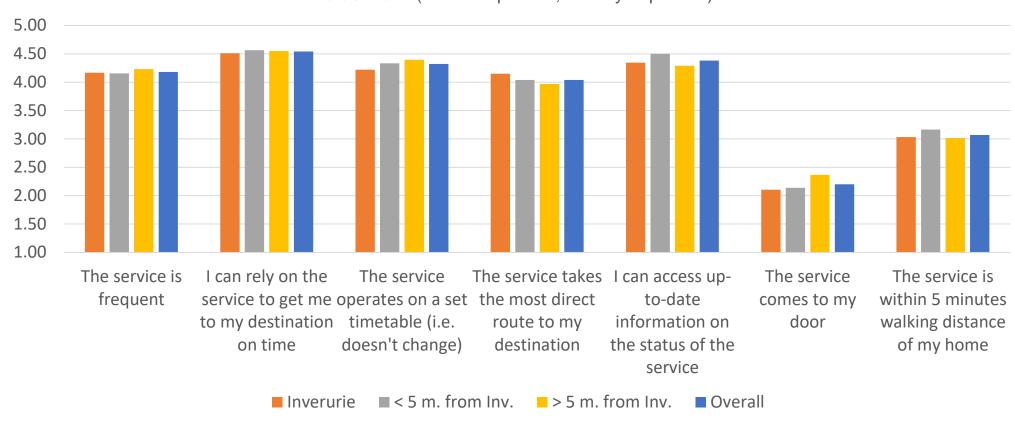
Proportion of respondents saying they would prefer to make **more** trips, by journey type and home location



Proportion saying **Inverurie** is **'most common destination'** for different journey types, by home location (proportions of people who answered for each journey type)

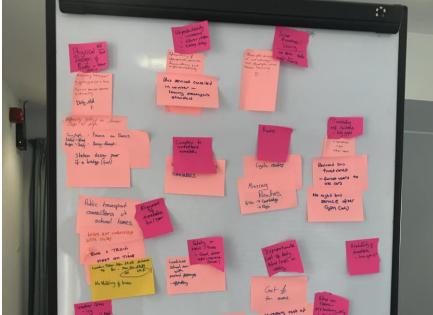


Importance of different factors for a new transport service, by home location (1=Not important; 5=Very important)



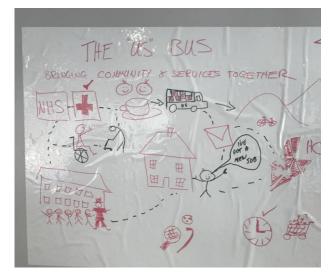




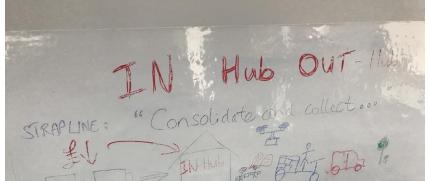


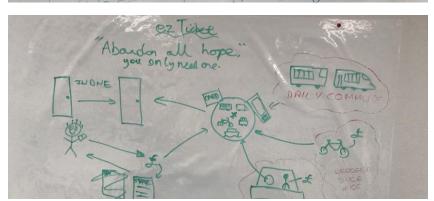
Workshops For Cairngorms and Inverurie

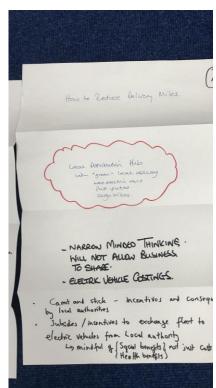


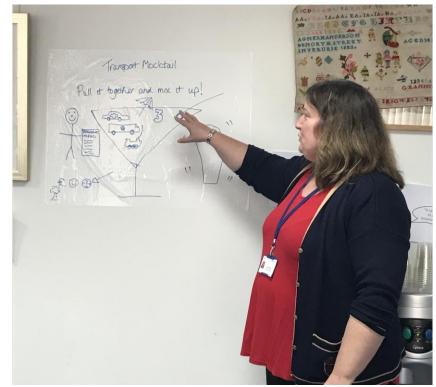


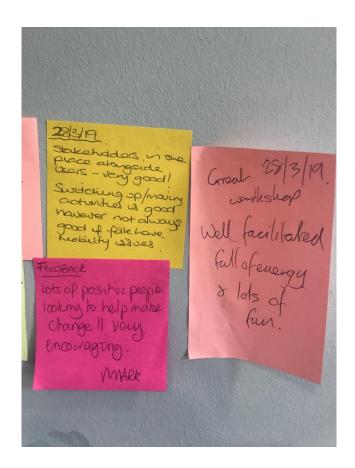














Feedback



- Multi-use vehicle operations:
 - Passengers
 - Goods parcels, supplies for rural businesses and communities (e.g. prescriptions)
- Leveraging peer-peer ridesharing transport
- Create trip chains by e.g.
 partnering with existing fixed
 route service providers to extend
 the transport network
- Partnering with employers

Conclusions

- Vehicle Design
- Available infrastructure and connectivity
- Active Travel modes are unsafe
- Importance of timetable scheduling
- Information is key
- Transport Operators are willing to listen
- Collaboration and communication is key











9th October 2019

Carnoustie Hotel, Links Parade, Carnoustie DD7 7JE

To find out more and to register for free visit cp.catapult.org.uk/scottishruraltransportconference





