



Accelerating Action on Climate

Place as an opportunity

16th November 2023

ADEPT Autumn Conference
2023

Professor Greg Marsden

Place Theme Leader – EDRC

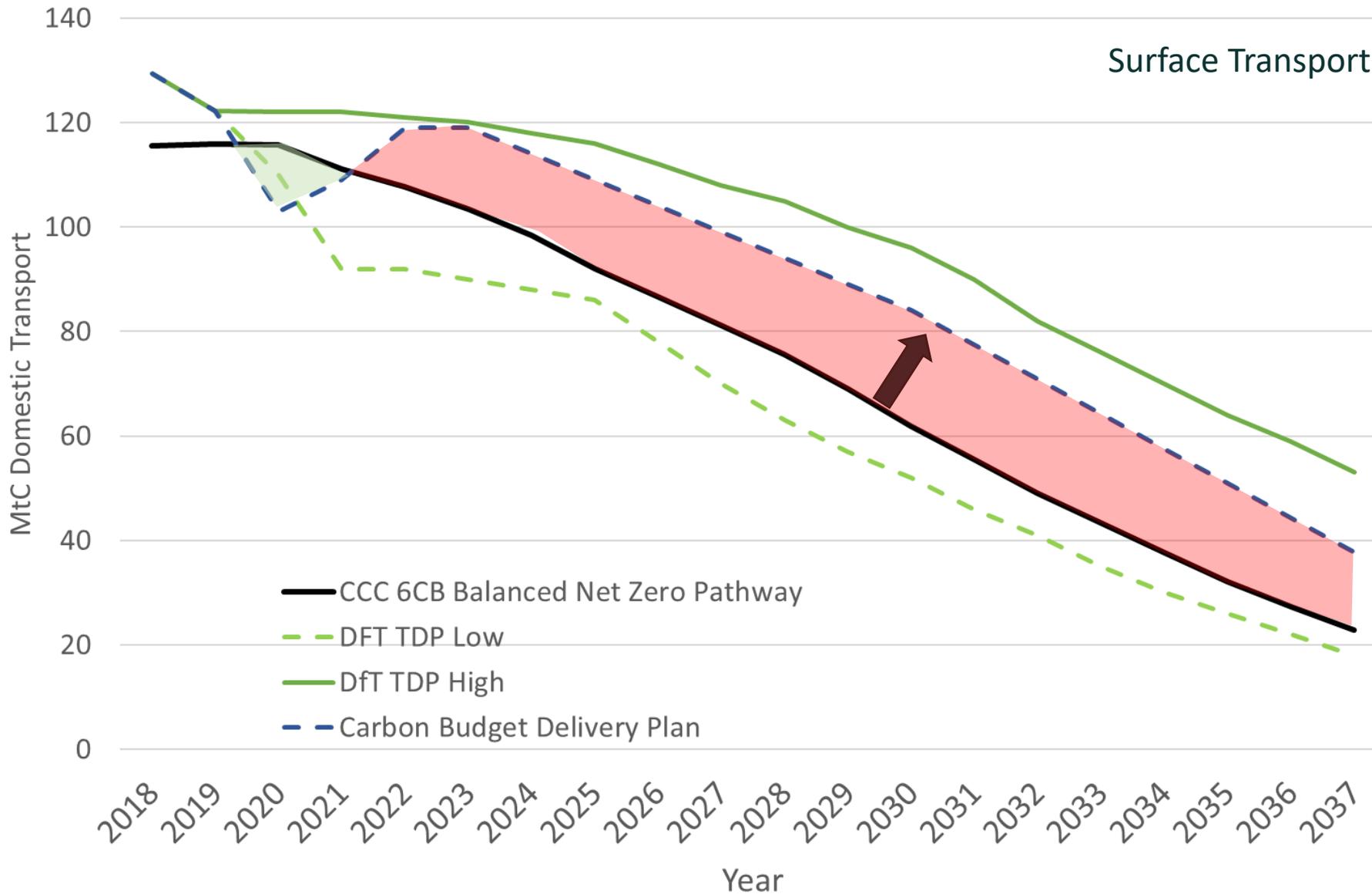
Director – DecarboN8 Network



5 Key Messages

- There is a massive gap in our progress on decarbonising transport
- Whether we get back on track is about the next 7 years
- So.... we have to focus on what can be done quickly
- There are huge co-benefits from acting now
- And how we act will define fairness and efficiency for decades to come

1. Massive Gap on Decarbonisation



224 MtC
Overshoot

2028 Zero Target
vs.
21% reduction

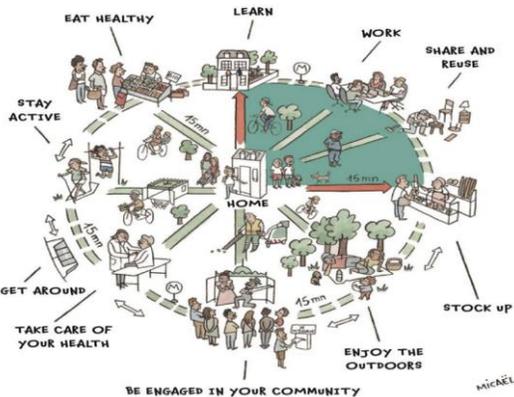


Leominster (A4)
Hereford (A4)
Malvern (A4)
Elgar Road

Bromsgrove (A3)
K'minster (A44)
Cattle market

Crown Gulls Multistore
Sheppards
Newport Street
Craft Road
(Cars, Coaches & L...
Plymouth

3. What can we do quickly?



Enable people to do what they want without needing the car

Provide a step change in alternatives to the car for the journeys this works for
BUS/BIKE/WALK/PLEV

Encourage more of the journeys that do need to be made by car to be shared!

3. What can we do quickly?

65% of all journeys are < 5 miles in length – but they contribute only 18% of car mileage

96% of all journeys are <35 miles in length – and they contribute 64% of car mileage

Micro EVs



Citroën Ami



Renault Twizy

Microcar



Smart EQ FourTwo

Figure 3. Examples of electric two-wheelers



Moped: BMW C1



Electric cargo bike: Urban Arrow, with kids in Amsterdam



Person travelling with an electric scooter

Source: Andrea Papu Carrone.

Source: Left to right: Andrea Papu Carrone; Tomas Alexander; Dragon Images/Shutterstock.

3. What can we do quickly?



The signals about what we value in our cities have to be consistent

Trust arrives on foot and leaves on horseback

4. Huge co-benefits from acting now

- Lower investment costs in electricity network upgrades and charge points
- Physical and mental health benefits from greater active travel
- Offers a route to improve access to employment and key services for those without a car
- Promotes productivity not congestion
- Supports electrification in tackling air quality etc. etc..

Place-
based
strategies
ensure
we get
this right



5 How we act now will define fairness and efficiency for decades

- The transport system we have got does not work for everyone
- Public transport service provision is in decline
- We have not been able to fix this with the investment we have for the system
- Our current approach is about pockets of excellence not systemic change

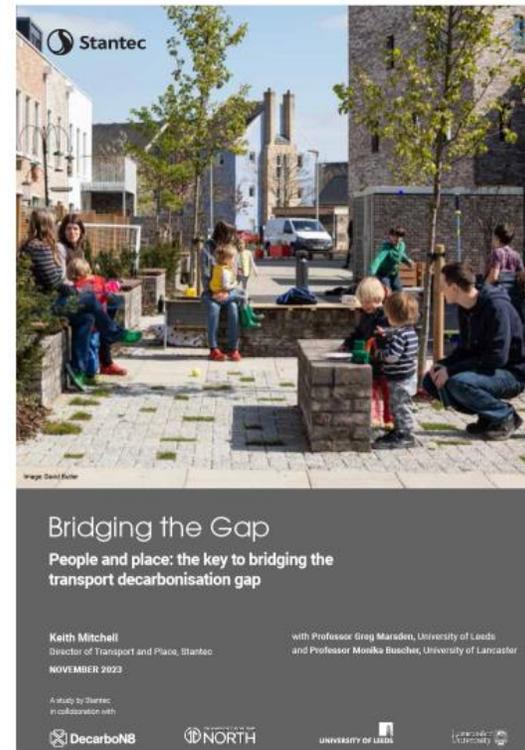
- Car driving is getting cheaper for those with the £ to go electric
- Just swapping out fossil fuel for electric cars will drive a negative cycle
- The transition has started, the clock is ticking.
- Act now. Act differently

Resources

- Launch of Energy Demand Research Centre
- Webinar 27th November 1pm



- Lots of place-based decarbonisation resources at <https://decarbon8.org.uk>



Thank you!



Funded by:



In Partnership:

