

Implications of the Government's Transport Decarbonisation Plan

A Catalyst for Change or a Missed Opportunity?

ADEPT Lunch & Learn Seminar
Friday 24th September 2021

Simeon Butterworth
Simon Pope



Agenda

01. Key themes within the Transport Decarbonisation Plan
02. Delivering infrastructure for 'green growth'
03. Beyond the infrastructure - culture and policy
04. Roles and responsibilities of local government - a clear way ahead?

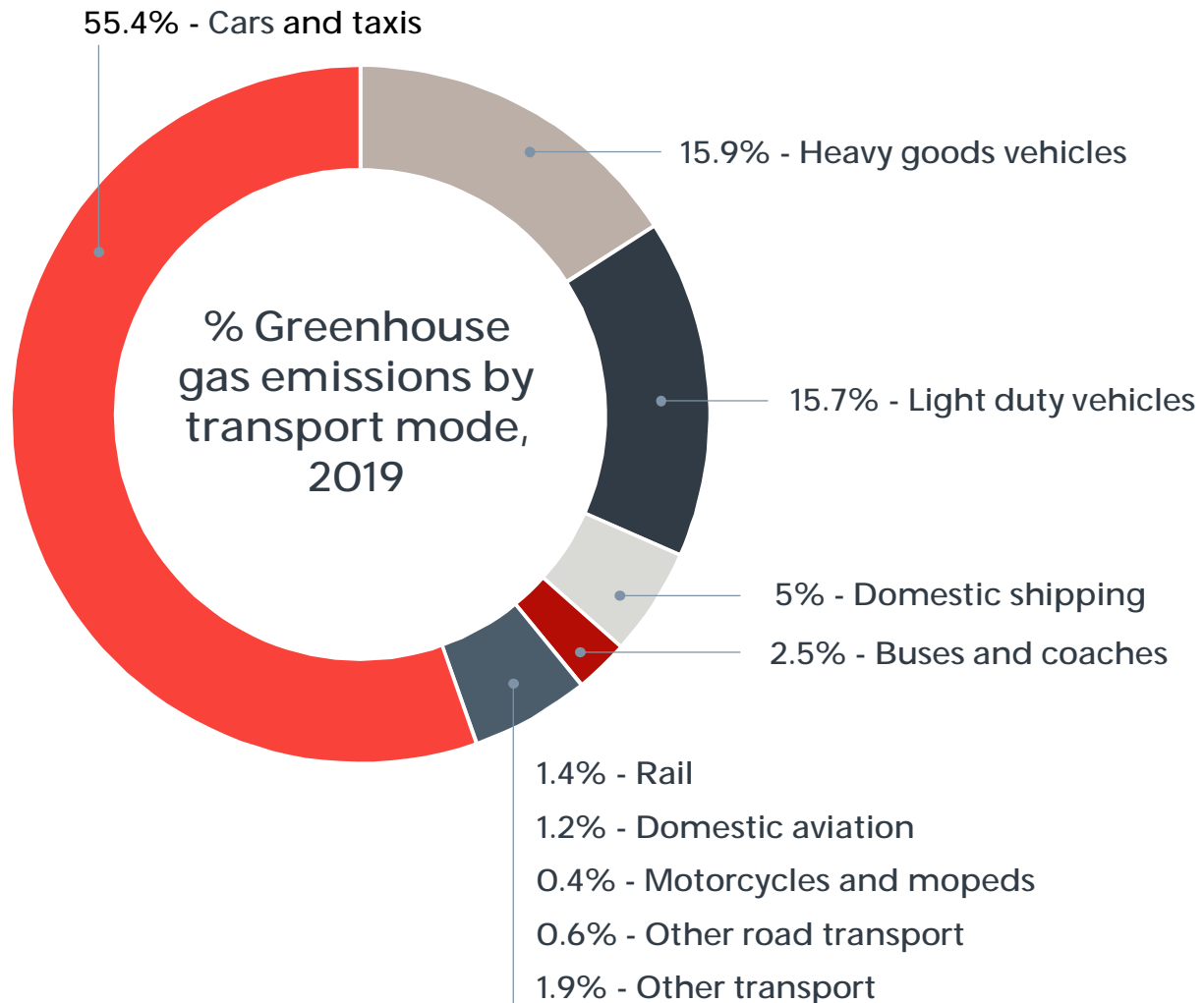




Key themes within the Transport Decarbonisation Plan

A reminder of the challenge

Domestic GHG emissions from transport have been broadly flat for the last 30 years.



Noise

Negative impacts of noise cost £7-10bn per year



Health

Physical inactivity costs the NHS £1bn per year



Air quality

Poor air quality could cost health & social care services £5.3bn by 2035



Congestion

Poor journey time reliability & negative impacts on local environments



Transport Decarbonisation Plan - The story so far

- § A welcome publication but does it go far enough?
- § 4 Core Themes:
 - 1 Transition to Cleaner Fuels and phasing out Petrol / Diesel
 - 2 Modal Shift, Cycling Walking and PT
 - 3 Decarbonising Through Places
 - 4 Funding & appraisal
- § Collective work of UK's local authorities and sub-national transport bodies will be relied upon to deliver national change
- § No new funding - spending review to come
- § Local Authority Toolkit in the post
- § KPIs and Incentives coming



“

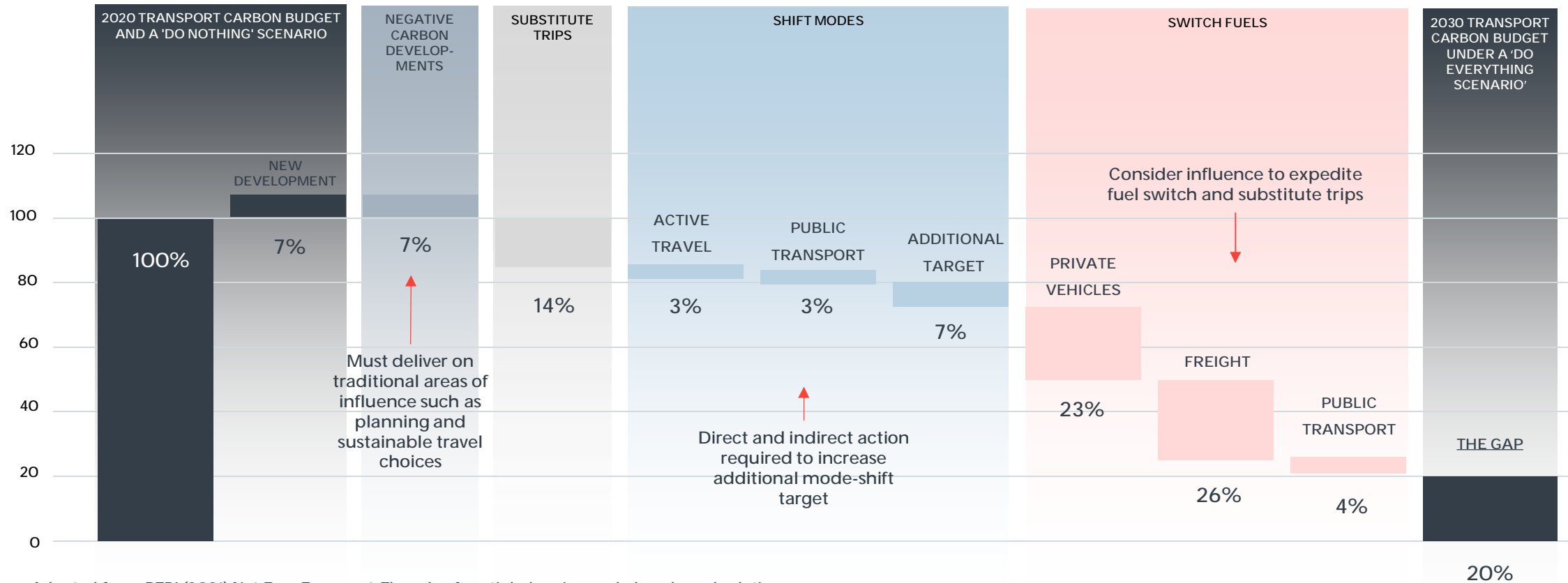
I believe that the struggle for decarbonised transport, clean development and clean air is as important as the struggle for clean water was in the 19th century.

Grant Shapps,
Secretary of State for Transport

”

'Do everything', be ambitious and act fast

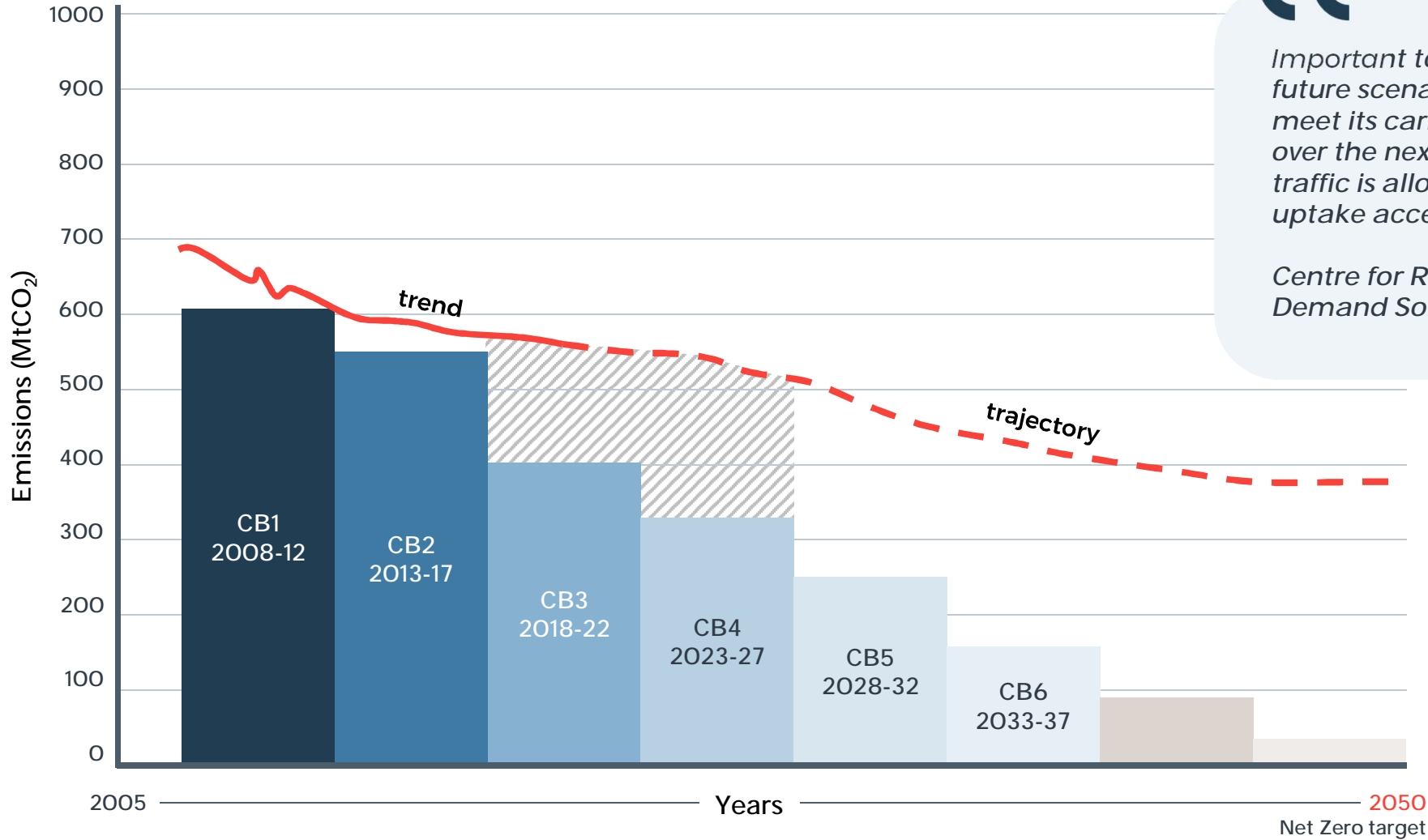
An 80% carbon reduction pathway for transport 2020-2030



Adapted from: RTPI (2021) Net Zero Transport: The role of spatial planning and place-based solutions



Importance of carbon budgets



“

Important to note that there are no future scenarios in which the UK can meet its carbon reduction milestones over the next two decades whilst car traffic is allowed to grow, even if EV uptake accelerates significantly...

Centre for Research into Energy Demand Solutions

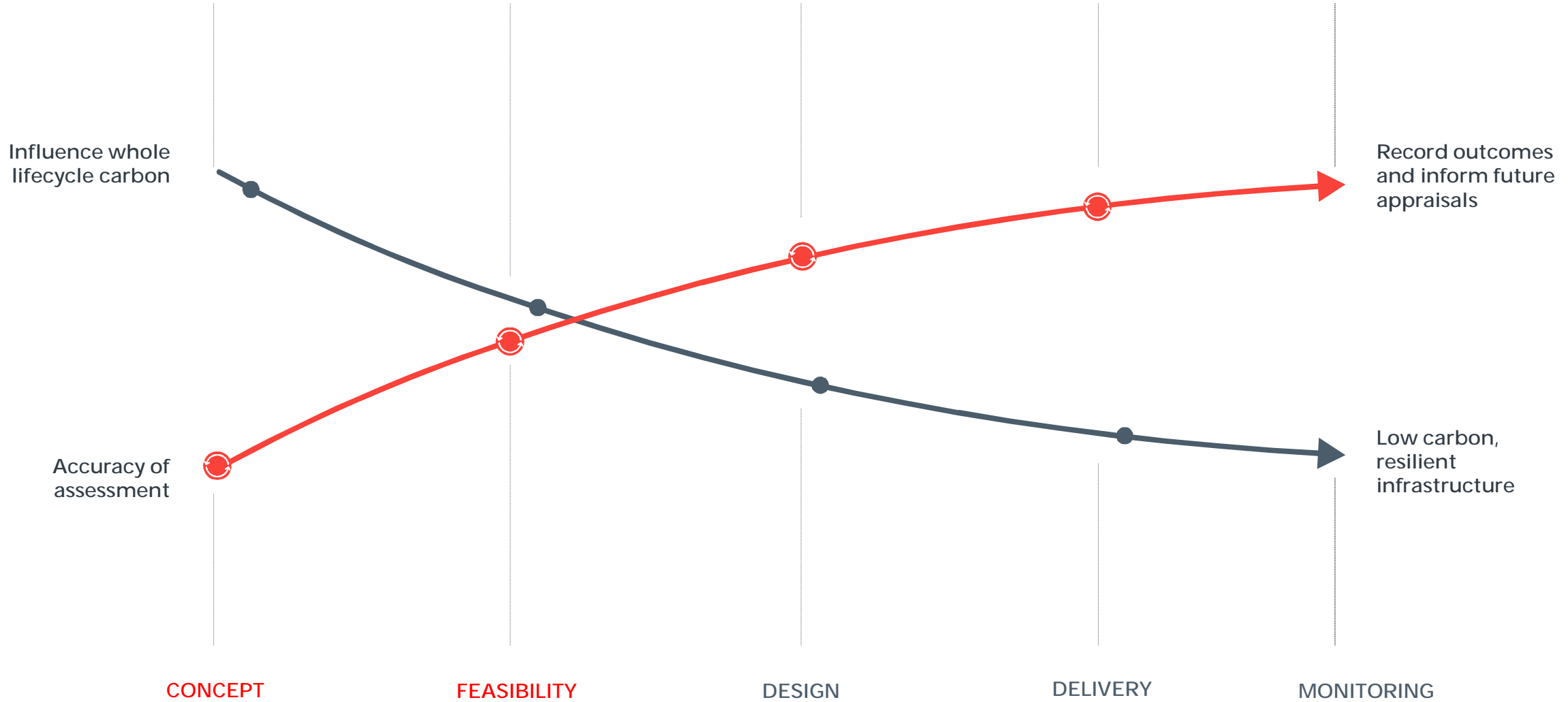
”





Delivering infrastructure for
'green growth'

Requirements of assessment approach



User emissions



Modal-shift to active and shared modes



Changes in traffic flows, speeds and journey lengths



Induced demand - new private vehicle trips

Embodied



Construction, operation, maintenance and end of life

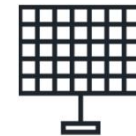
Additional impacts & opportunities



Tree planting



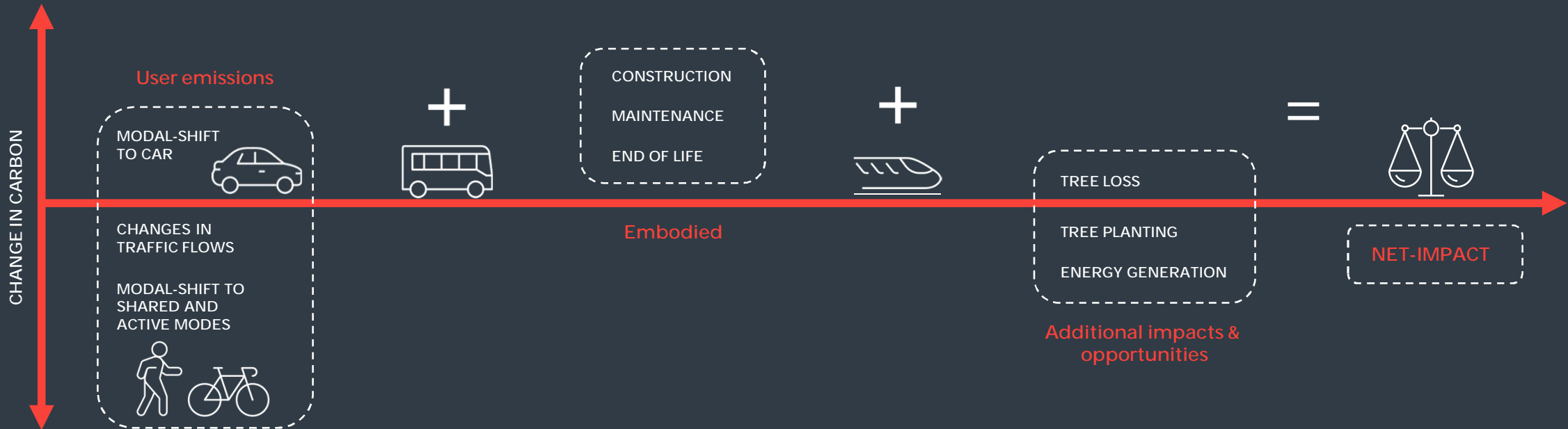
Tree loss



Sustainable energy generation



What does an optimised scheme look like?



Embedding throughout the design process

Leeds City Region Transforming Cities Fund - £317m investment

Leeds Public Transport Investment Programme - £200m investment



Emission calculations, tools and datasets



Professional judgement & specialist engagement



Whole-life carbon reporting

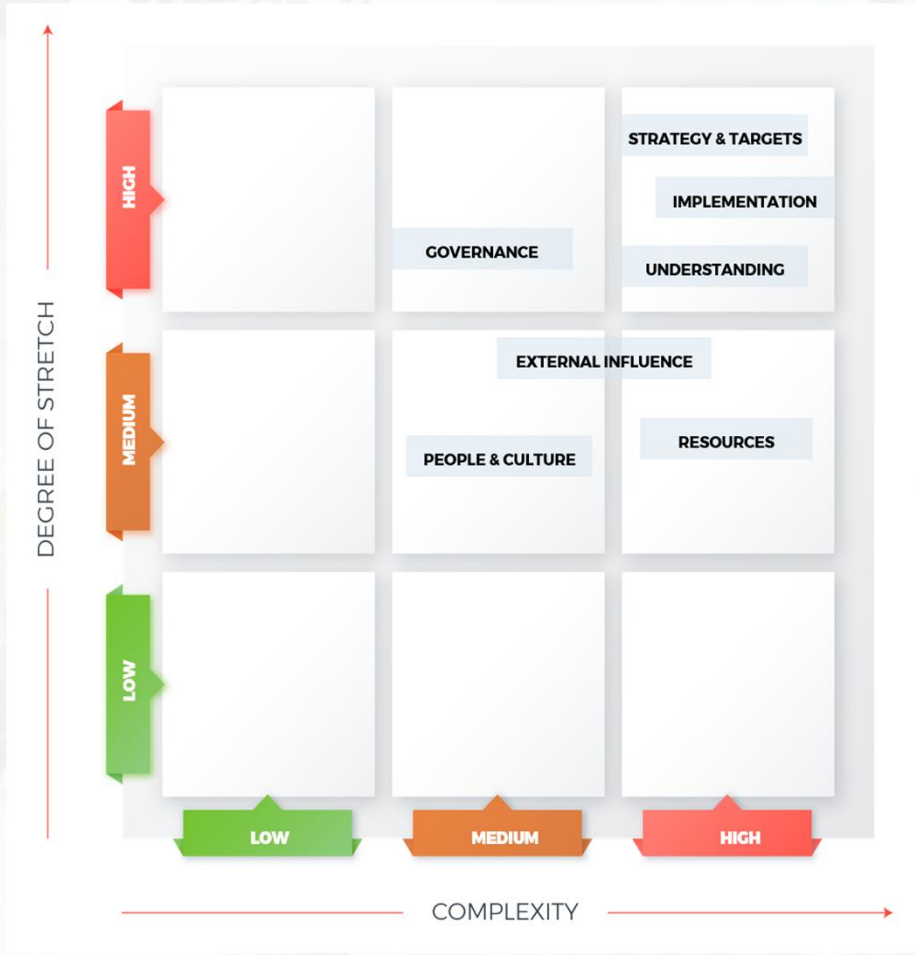


Design challenge



Beyond the infrastructure - culture and policy

Key enablers and practical steps



Tools, process & governance

Data and reporting

People and culture

Partnerships

Financials

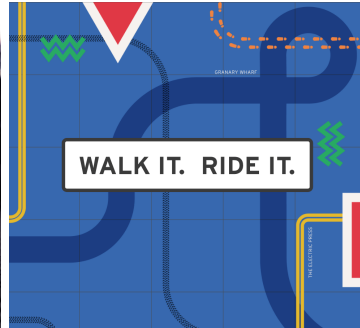
Influencing demand



Land use
planning
and technology



Accelerate
switch in fuels



Behavioural
change
programmes



Taxes
and
charging



Lessons from
Nordics

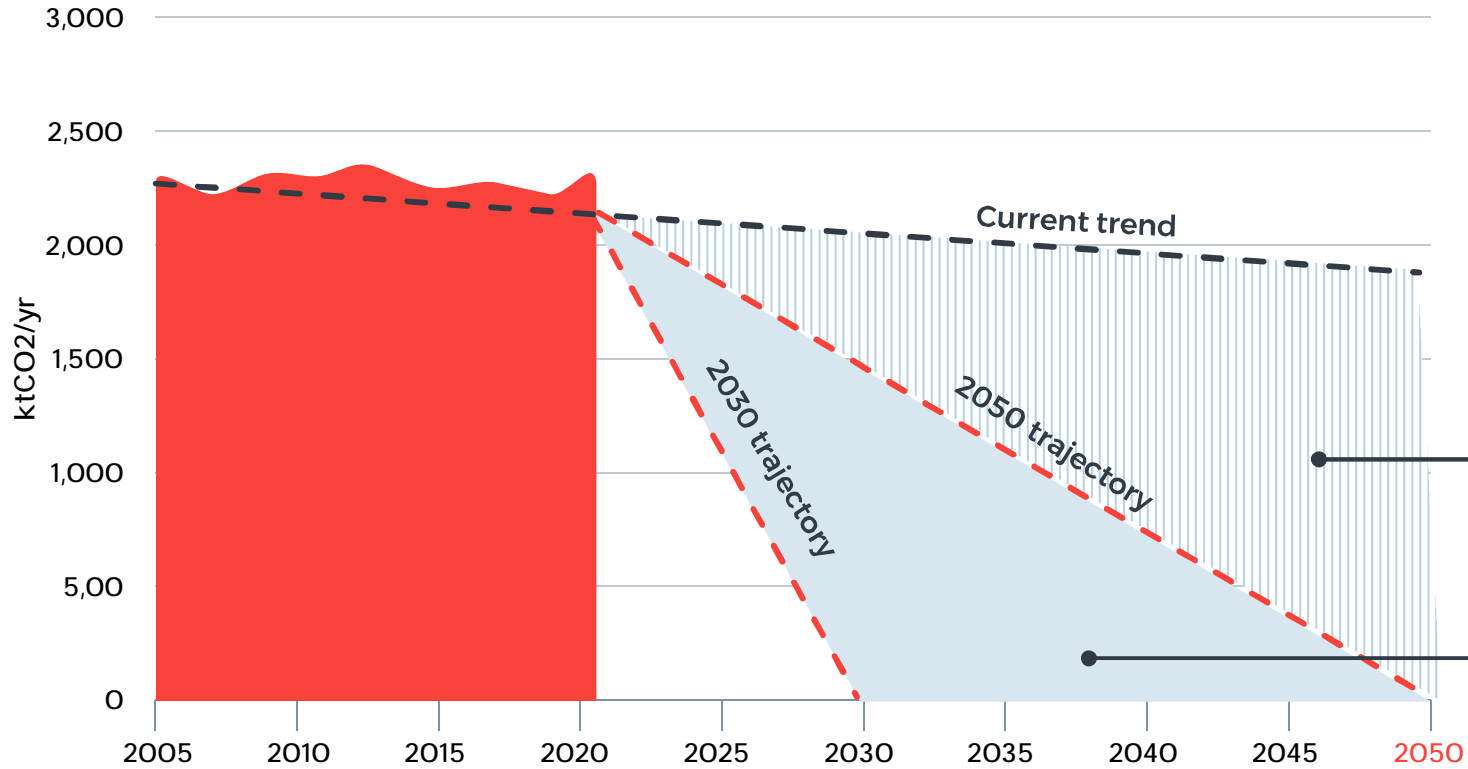




04.

Roles and responsibilities -
A clear way ahead?

Mind the gap...



To what extent does existing infrastructure and policy commitments fill the emission gap?

What measures are needed to fill that gap?



COP26 - catalyst for action?



UN CLIMATE CHANGE CONFERENCE UK 2021

IN PARTNERSHIP WITH ITALY





Contact



Simeon Butterworth

✉ simeon.butterworth@wsp.com

📱 07984 006 163



Simon Pope

✉ simon.pope@wsp.com

📱 07713 985 676

Search 'Decarbonising UK Transport' at [wsp.com](https://www.wsp.com)