

Adur & Worthing

Pathways to Carbon Neutrality

Matt Rooney



Introduction



Introduction
Who are Anthesis



What is SCATTER?

SCATTER Overview

Setting

City

Area

Targets and

Trajectories for

Emissions

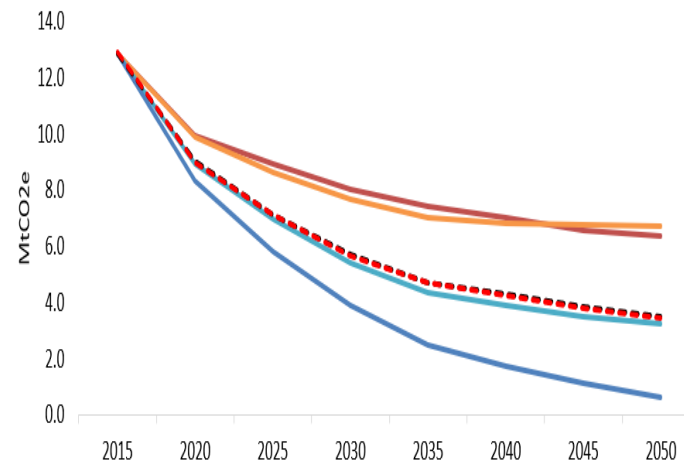
Reduction

SCATTER Overview

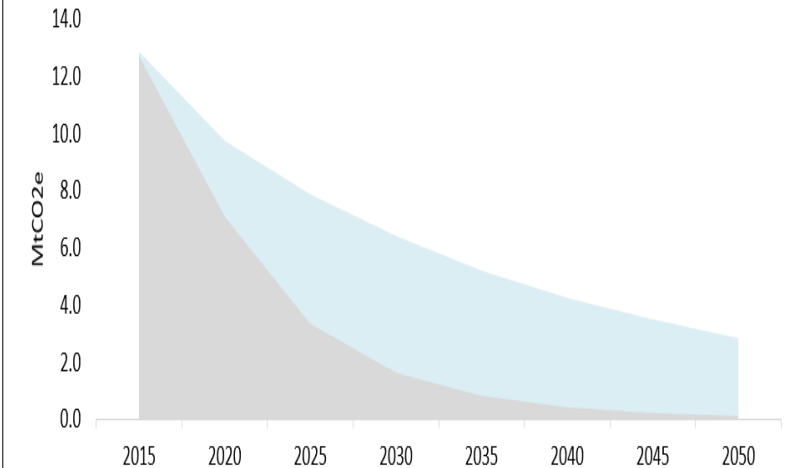
1 GHG Inventory



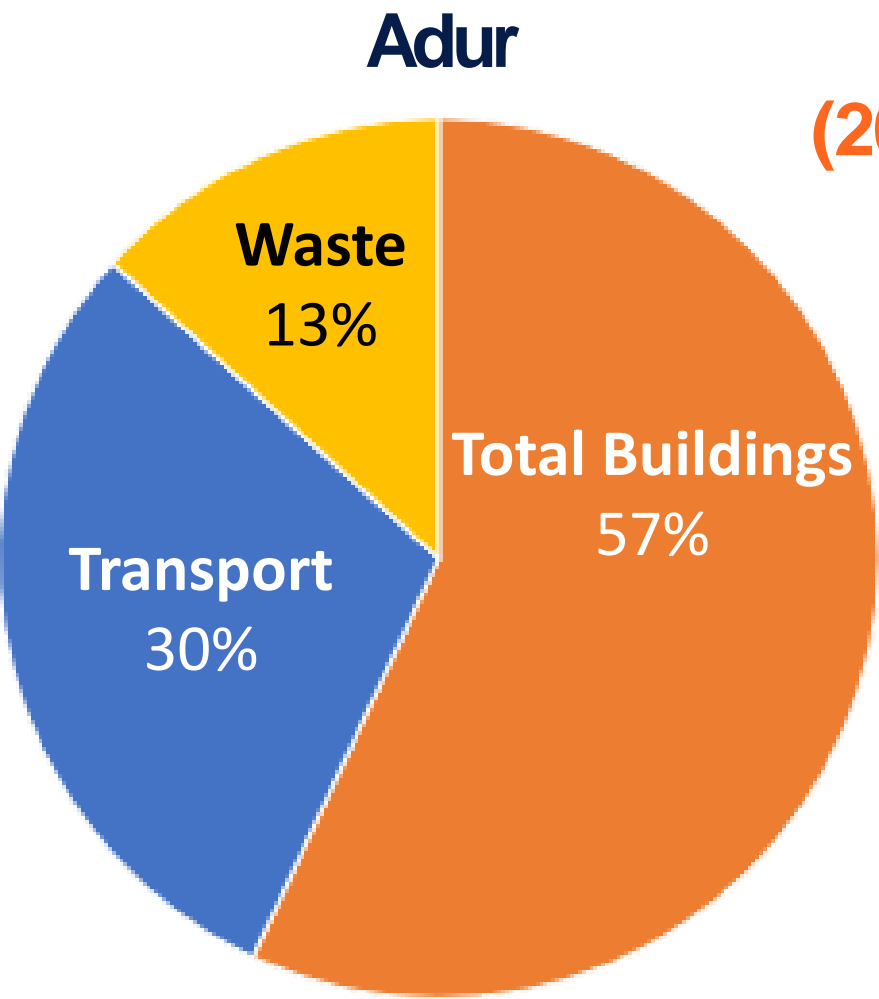
2 Future Pathways



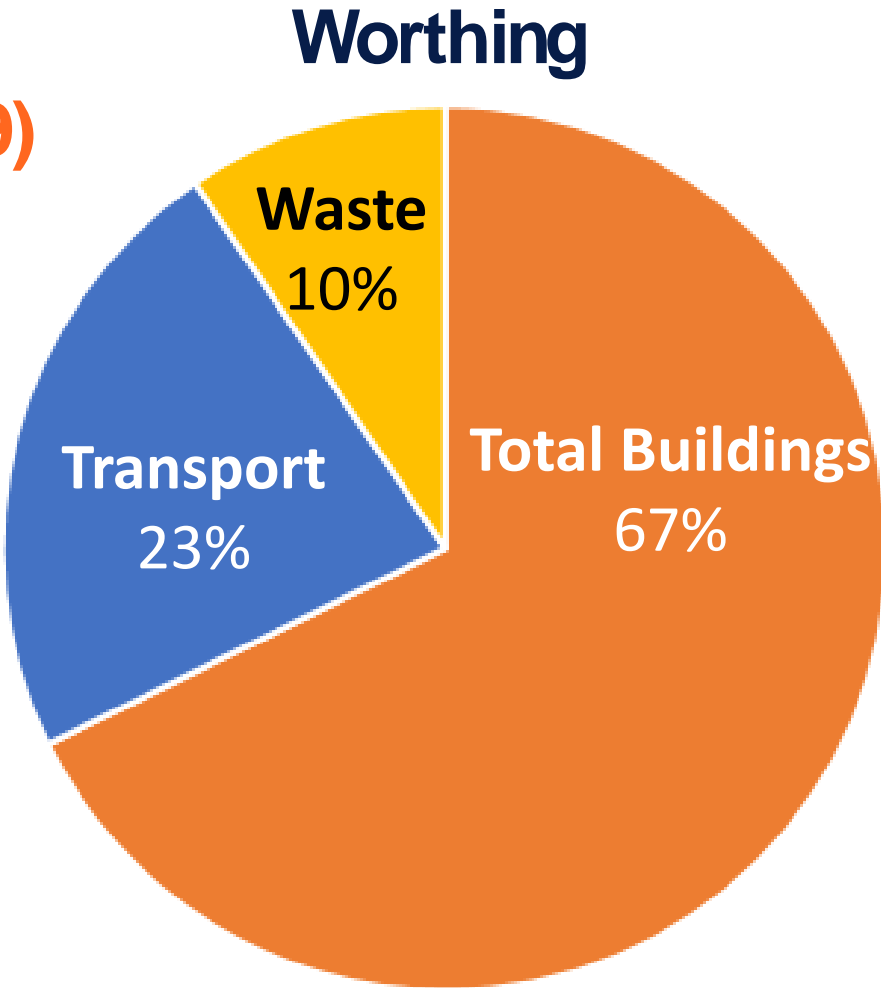
3 Carbon Budget



1



(2019)



SCATTER

Future Emissions Profile?

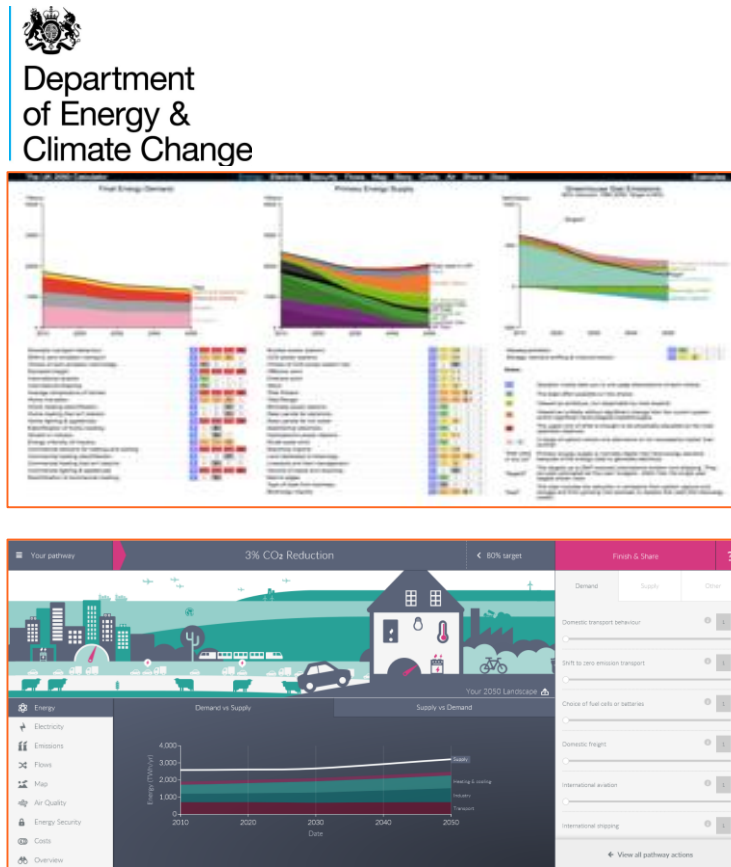
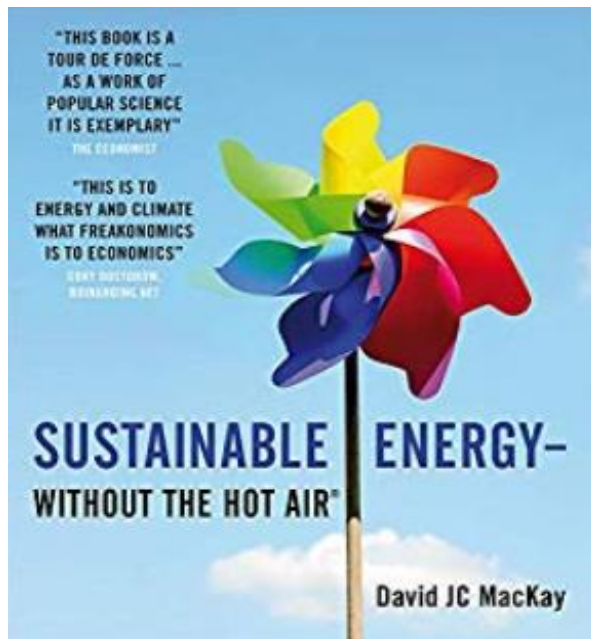
1

Adur

(2030)

Worthing

2



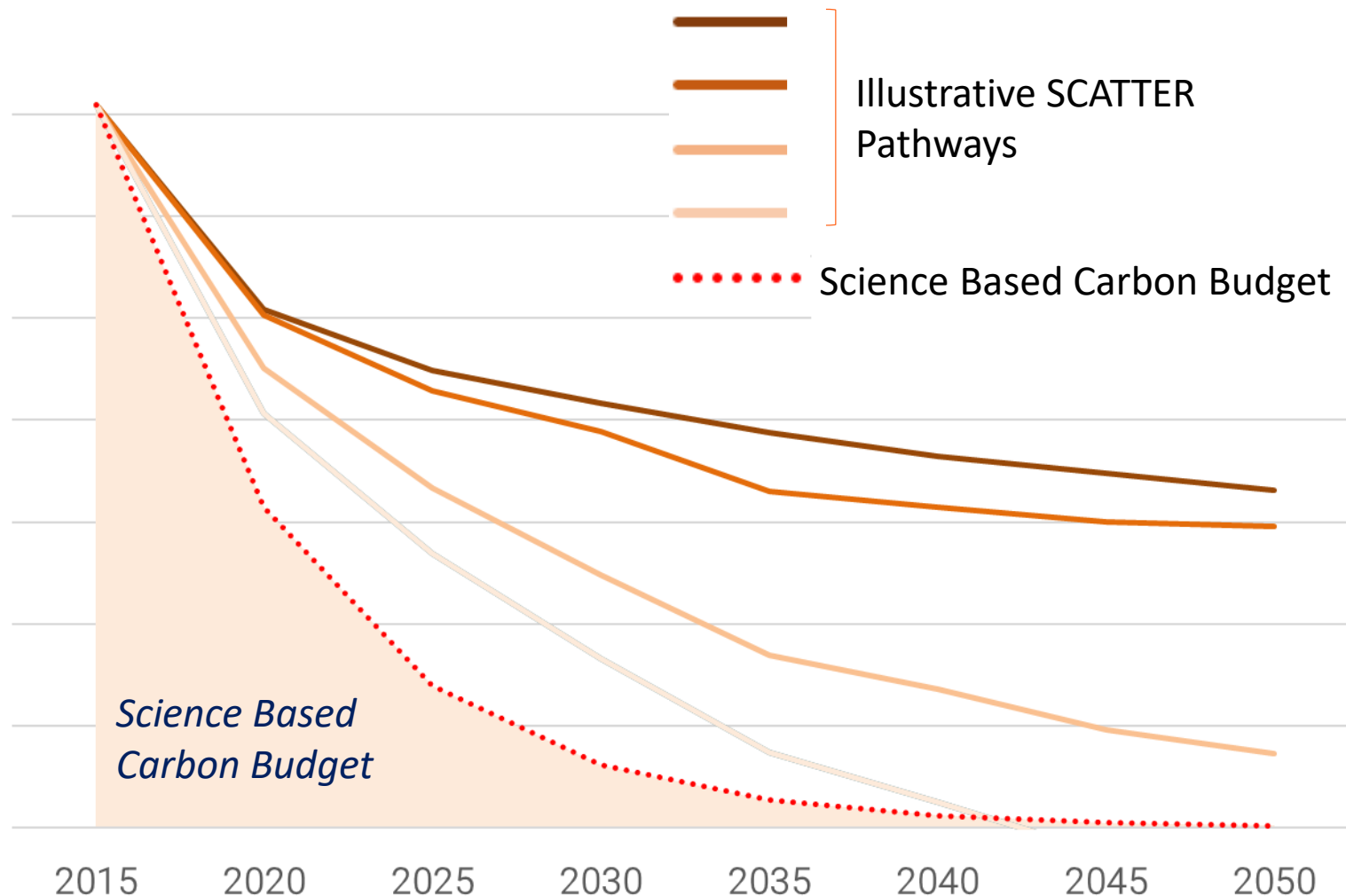
Key modifications

- 1) Scaled down to subnational regions
- 2) Pushed ambition further

2

Pathway Interventions

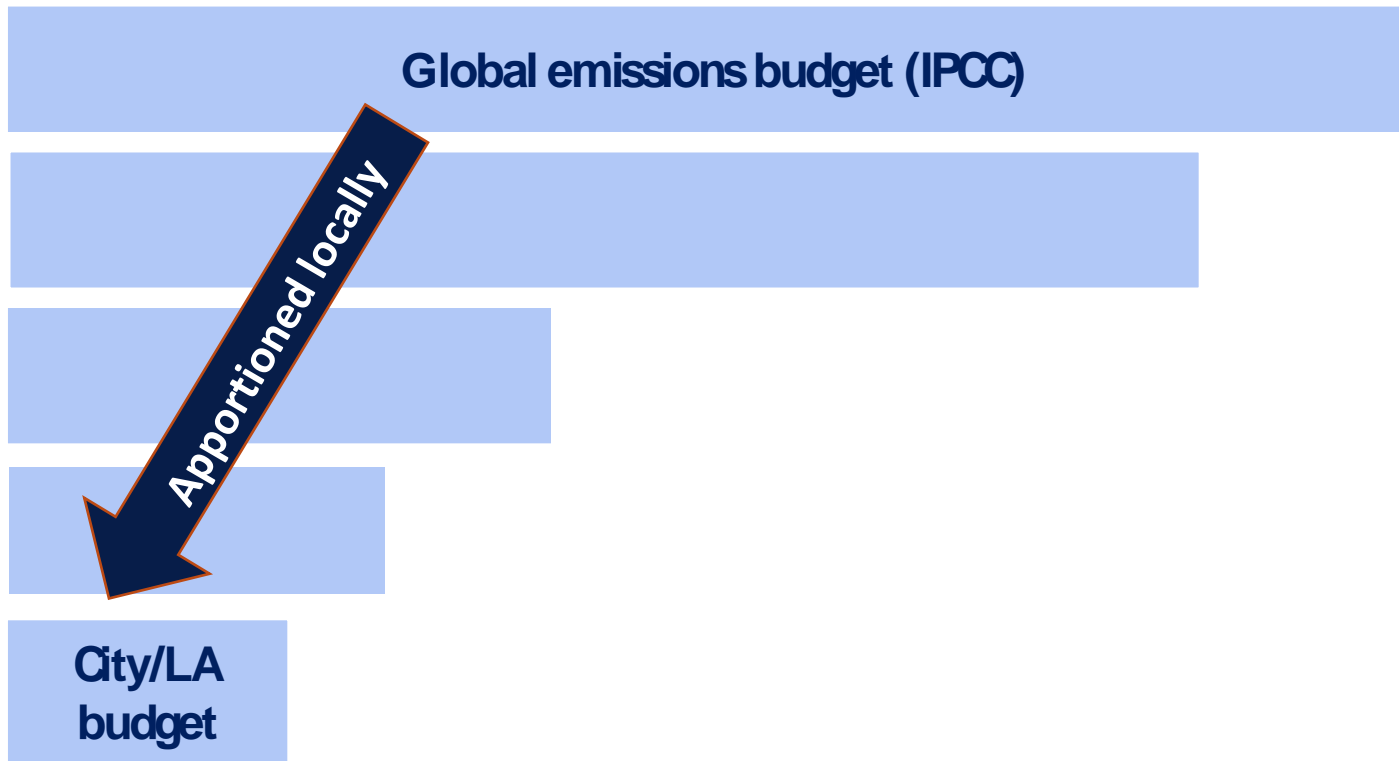
- 1) Variety of measures
- 2) Focus on “What” not “How”
- 3) Variety of ambition choices



SCATTER

Carbon Budget

3



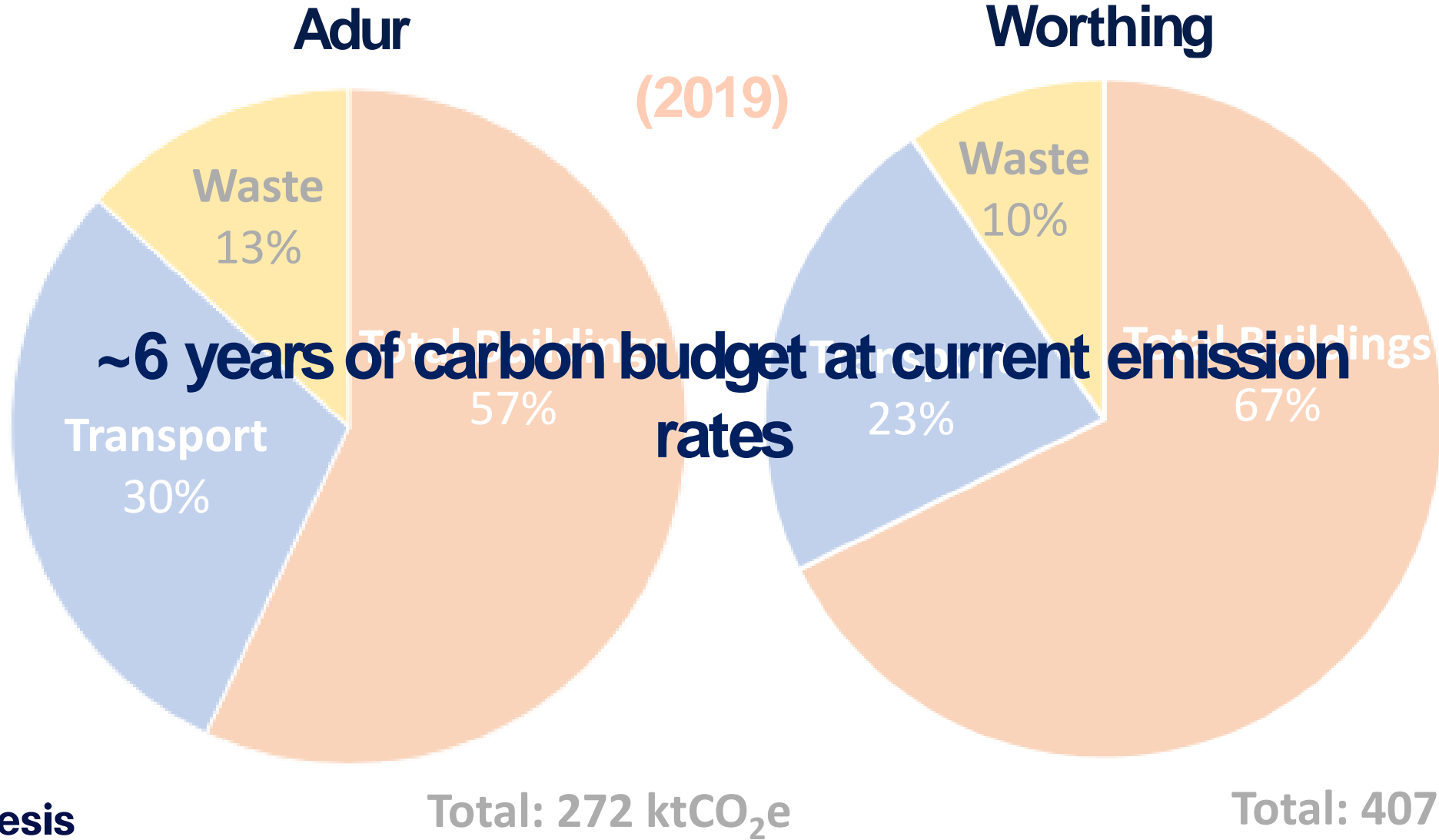
Tyndall[°]Centre
for Climate Change Research

Key findings

- Cumulative impact of CO₂ is critical
- **Date** of 'neutrality' less relevant
- Speed of reductions is key

SCATTER

Carbon Budget



What are the measures?

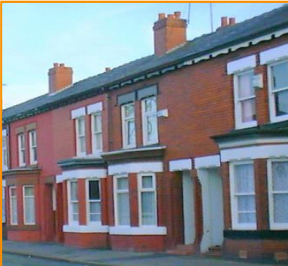
SCATTER

Sectors covered

- 4 key sectors covered
- Over 40 measures to consider



Building Efficiency



Transport



Energy Supply



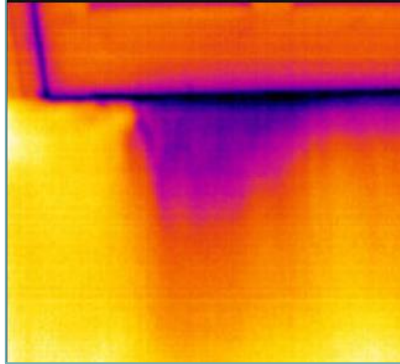
Waste & Industry



Domestic Buildings



Energy demand



**Deep fabric
Retrofit of
existing stock**



**Reduce average
temperature
across the home**



**Increase lighting
& appliance
efficiency**



**All new build to
PassivHaus
Standard**

Domestic Buildings



Energy supply



Replacement of gas boilers with low carbon alternative



Shift to away from existing gas cooking to electric

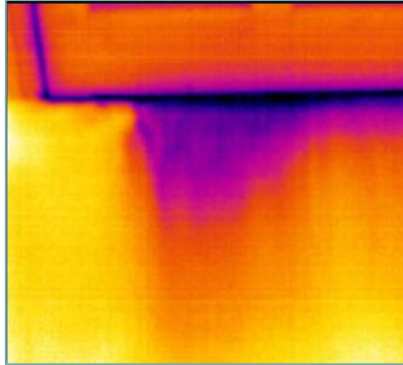


All new build off gas

Non-Domestic Buildings



Energy demand



**Deep fabric
Retrofit existing
stock**



**Reduce average
temperature
across the building**



**Increase lighting
& appliance
efficiency**



**All new build to
PassivHaus
equivalent**

Non-Domestic Buildings



Energy supply



Replacement of gas boilers with low carbon alternative



Shift to away from existing gas cooking to electric



All new build off gas

Transport

Distance reduction



Zero carbon passenger transport



Freight mode shift



Modal shift



Reducing aviation emissions



Energy Generation

Solar PV



Onshore wind



Biomass



Offshore wind



Waste

Waste reduction



Recycling % increase



Natural Environment

Tree planting



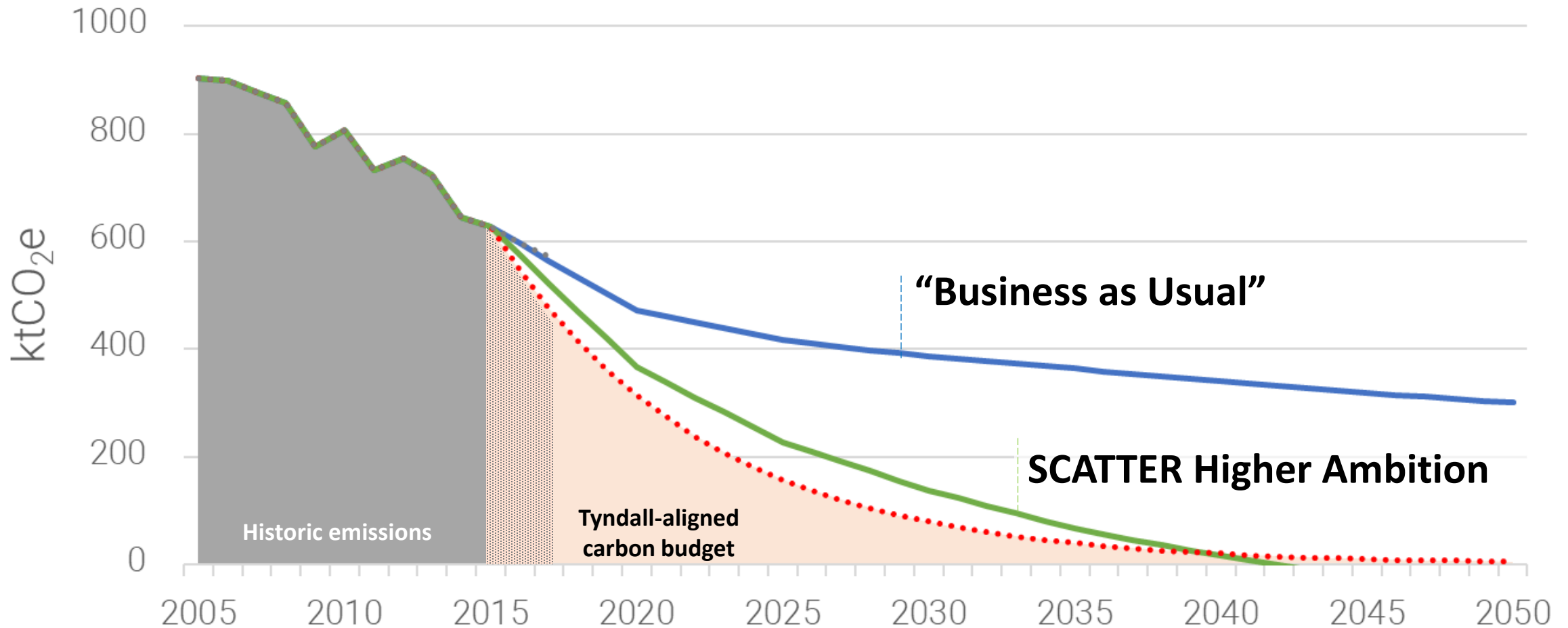
Dietary change



What next?

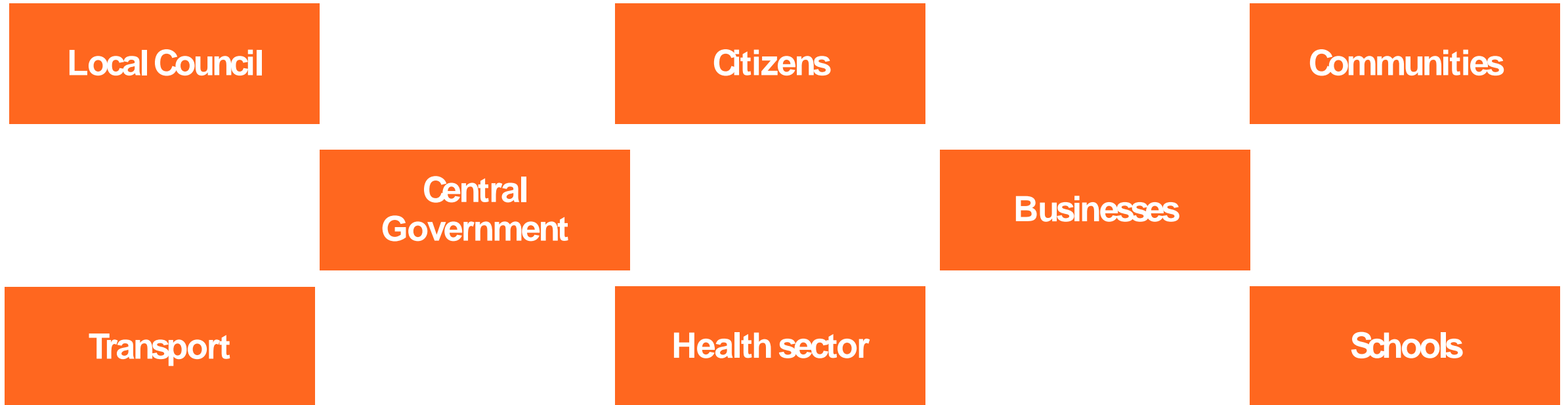
What Next?

Appreciate radical nature of shift required



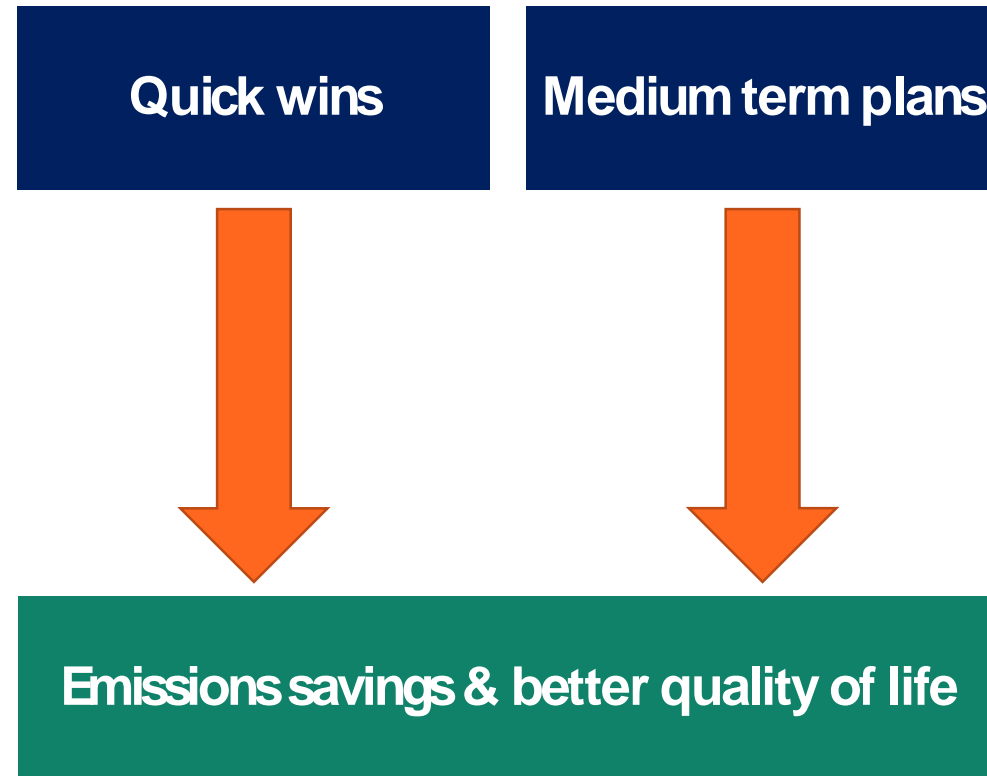
What Next?

Engage a wide range of stakeholders



What Next?

Act now



What Next?
Finally...



Thank you

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