

Bristol's Clean Transport Journey



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BRISTOL

**2015 EUROPEAN
GREEN CAPITAL**

In it for good™

European Green Capital Award

Awarded to a city that:

- Has achieved high environmental standards
 - Is committed to ambitious goals for sustainable development
 - Can act as a role model to inspire other cities
 - Received high technical Assessment
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Why did Bristol win?

- Many years of pioneering environmental efforts
- Strong performance across 12 categories versus other competing cities
- Strong community action and effective partnerships
- Exciting plans for 2015
- Ambitious and real investment in the future
- Sense of fun!



European Green Capital Award

Our programme:

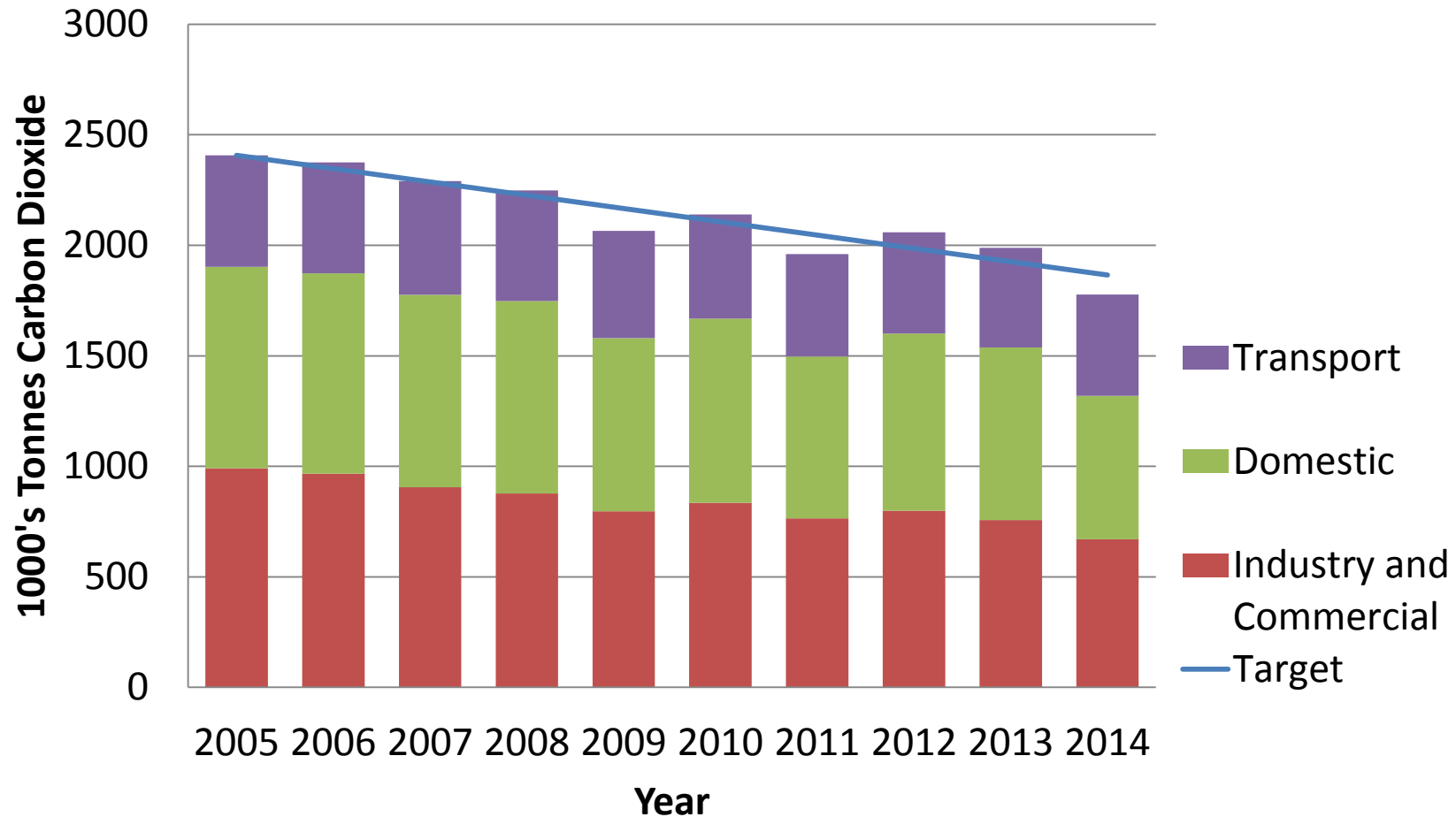
- 1,000 public events, most free
 - 30,000 primary school children involved in tree planting and environmental education
 - 1,000 businesses committed to take action to improve their environmental performance
 - 150,000 hours of formal volunteering for environmental project
 - 200 community led projects
 - 74 international delegations
 - The largest European Green Capital Programme to date
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Continuing the Journey

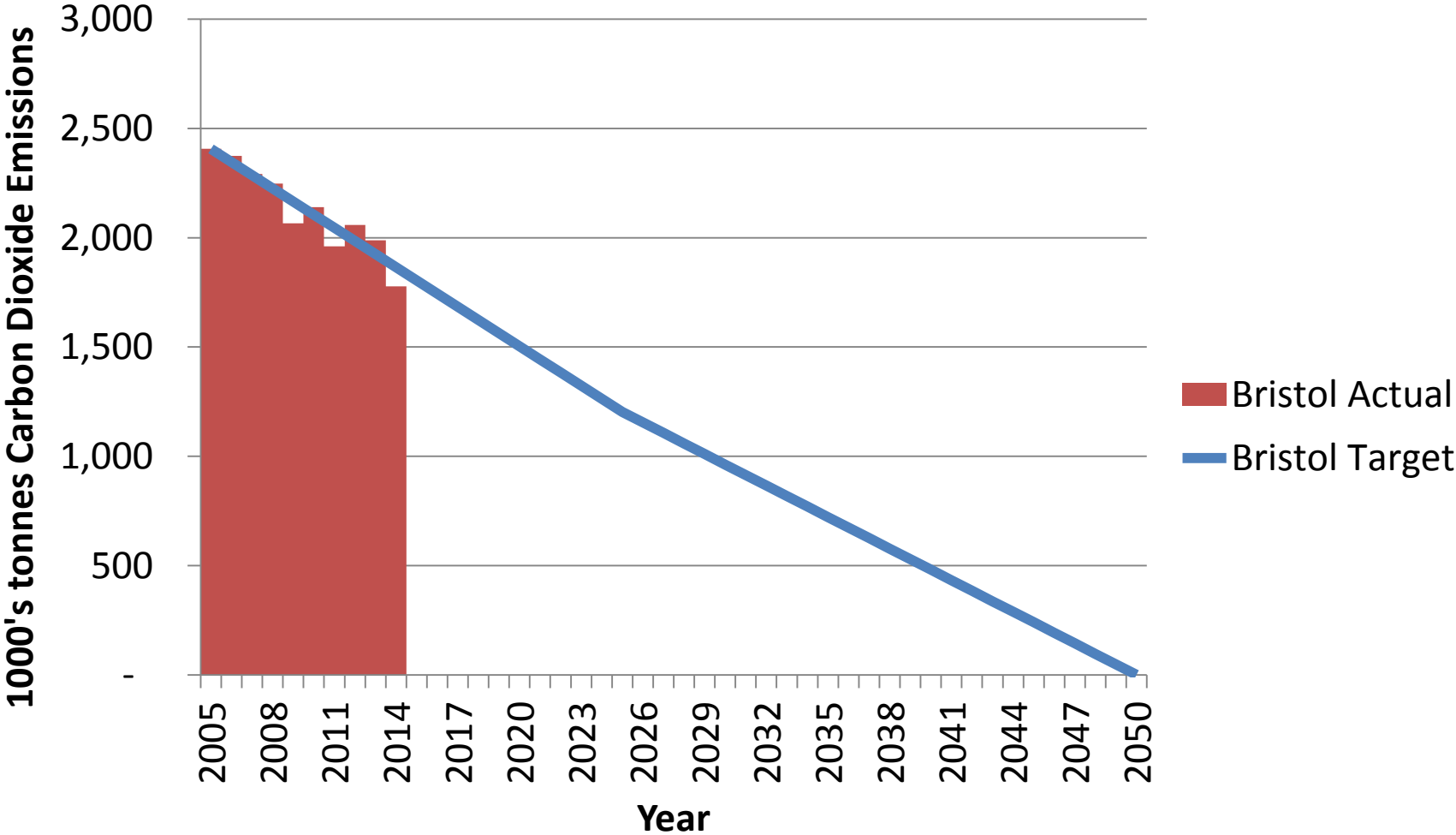
- Strong public awareness and support for being a green city
 - Increased concern and action on environmental issues
 - For example, concern about climate change rose 3% 2014-15
 - But rose 6% in the least engaged parts of the city
 - Strong cross-party political commitment to action, specifically on:
 - Climate Change
 - Air Quality
 - New Mayor elected with strong commitment to *“put Bristol on course to be run entirely on clean energy by 2050”*
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Cleaning our Energy System

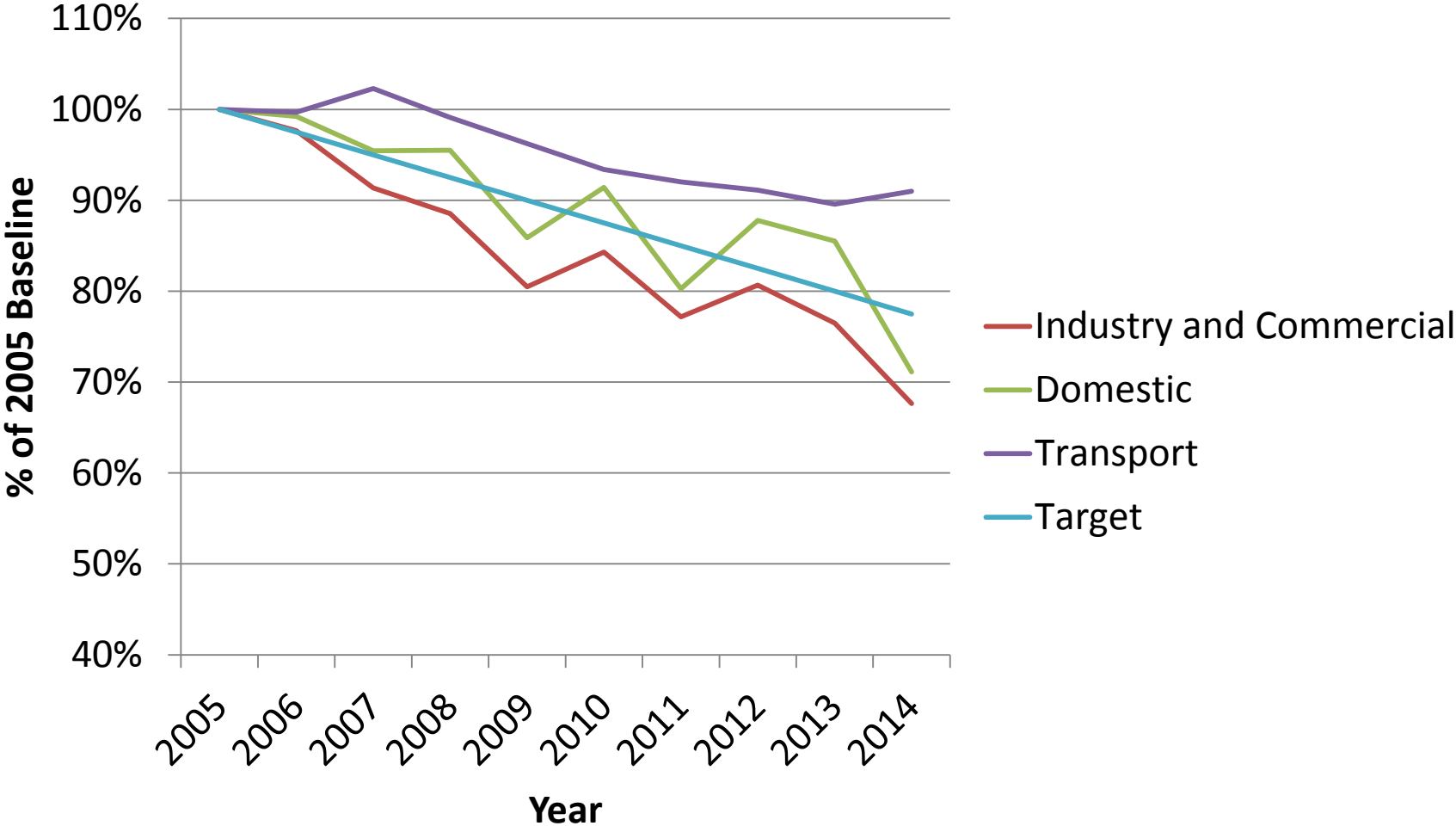
CO₂ emissions



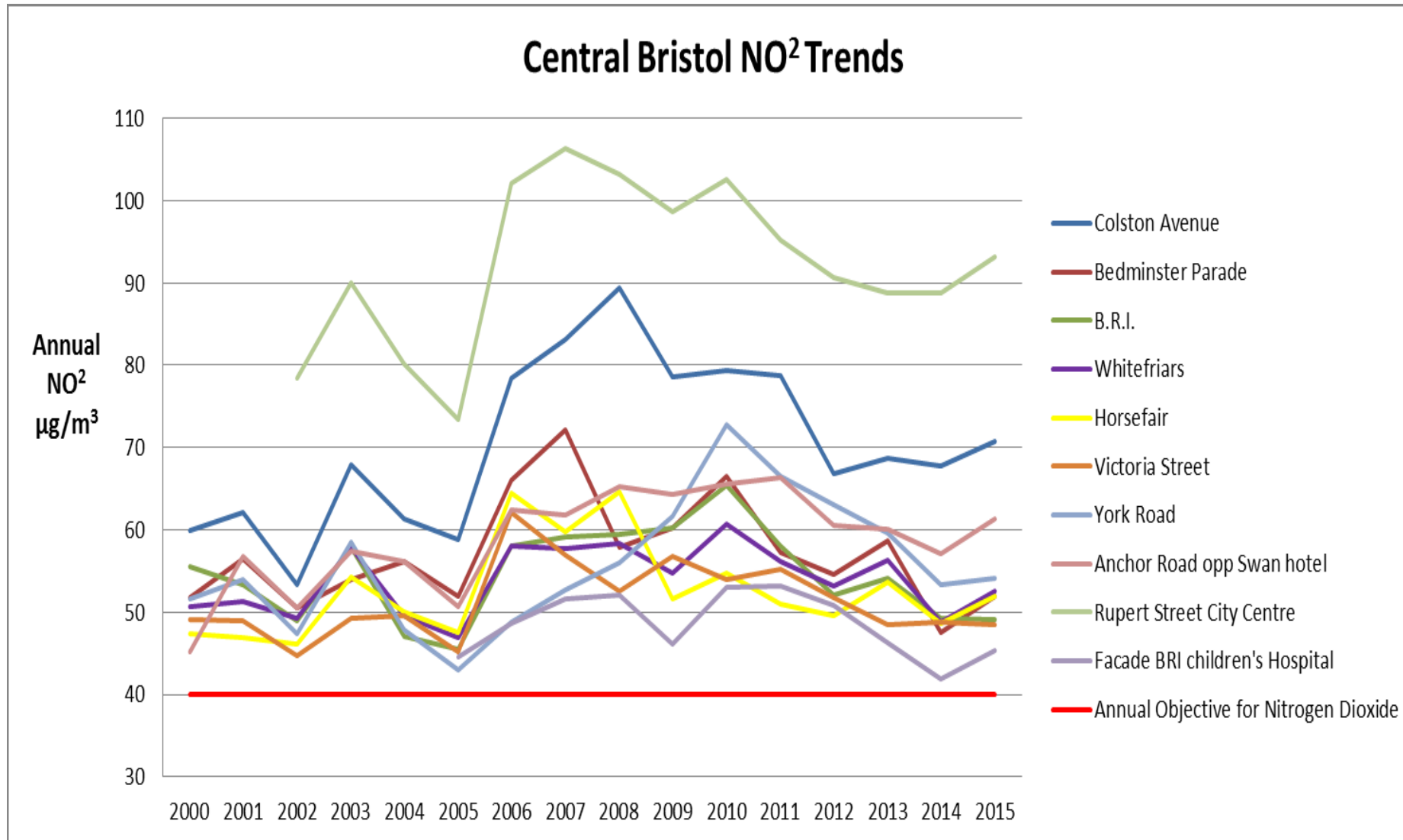
On course for 2050!



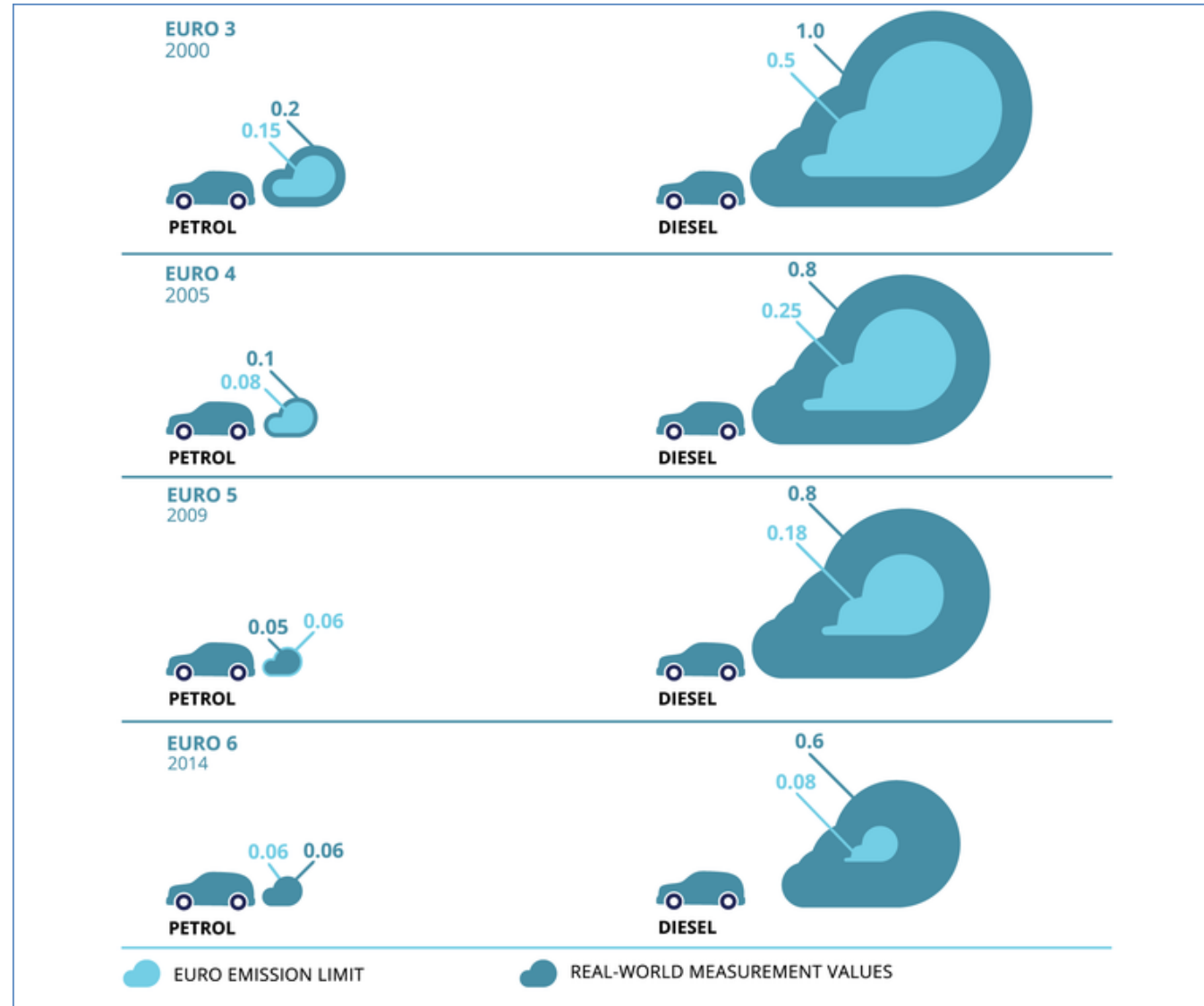
But not in the Transport Sector



Local air pollution is not improving



New vehicles aren't performing



Impacts of Air Pollution across the Life Course

Low birth weight

Smaller lungs

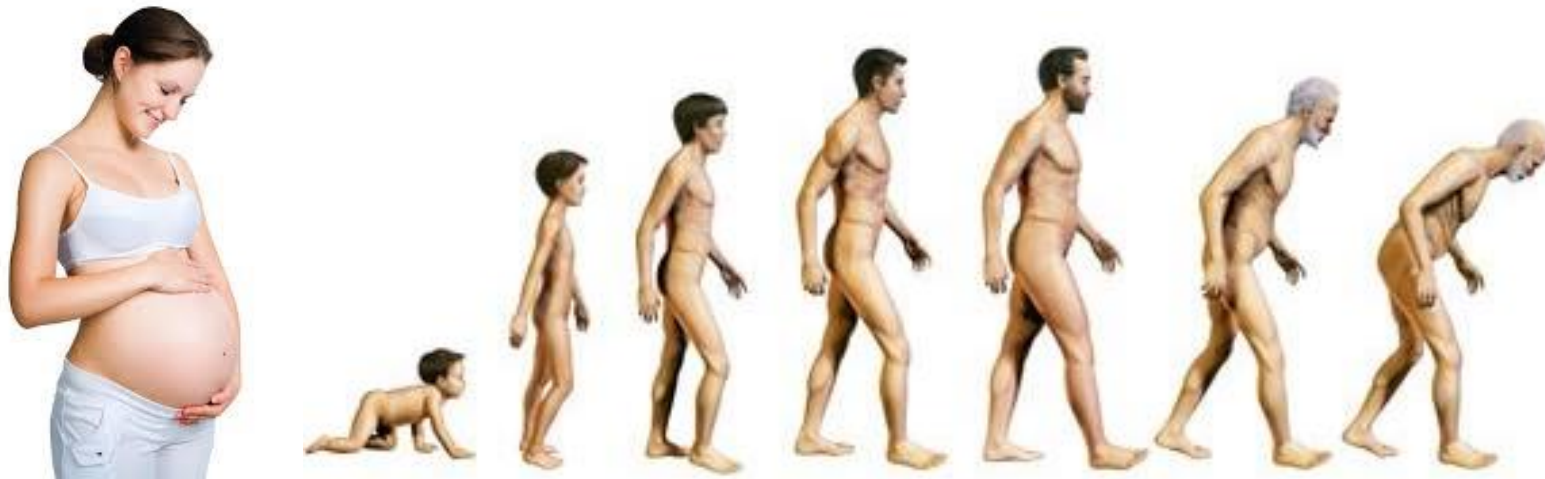
Cognitive ability?

Increased risk of chronic disease

Acute respiratory exacerbations

Acute and chronic

Premature death



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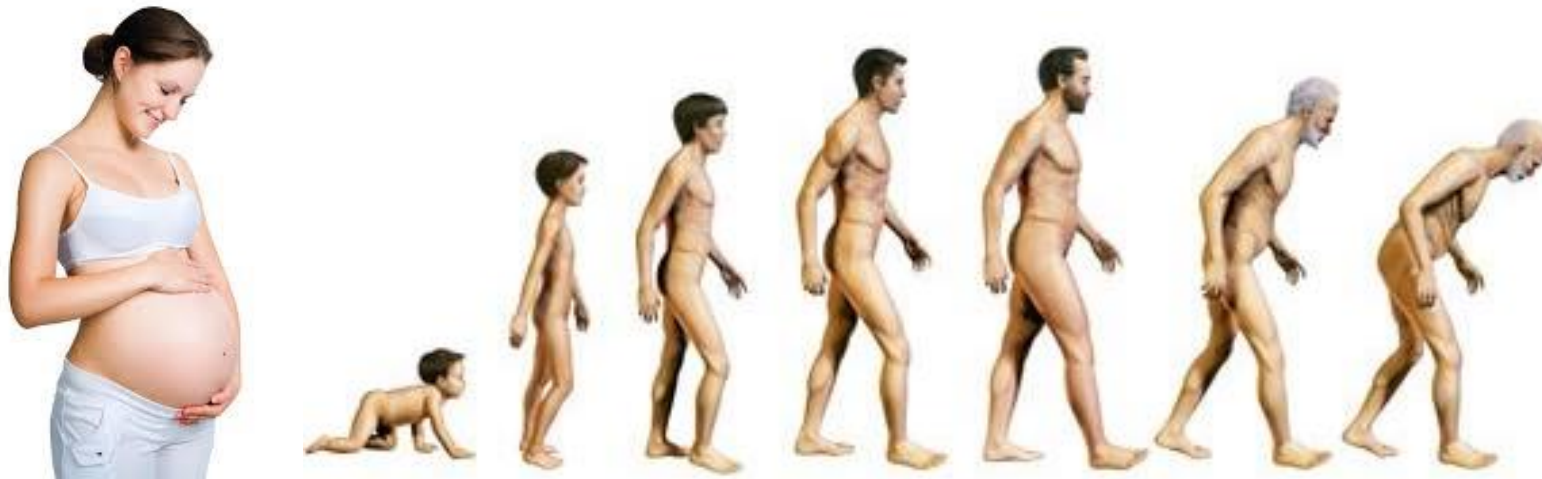
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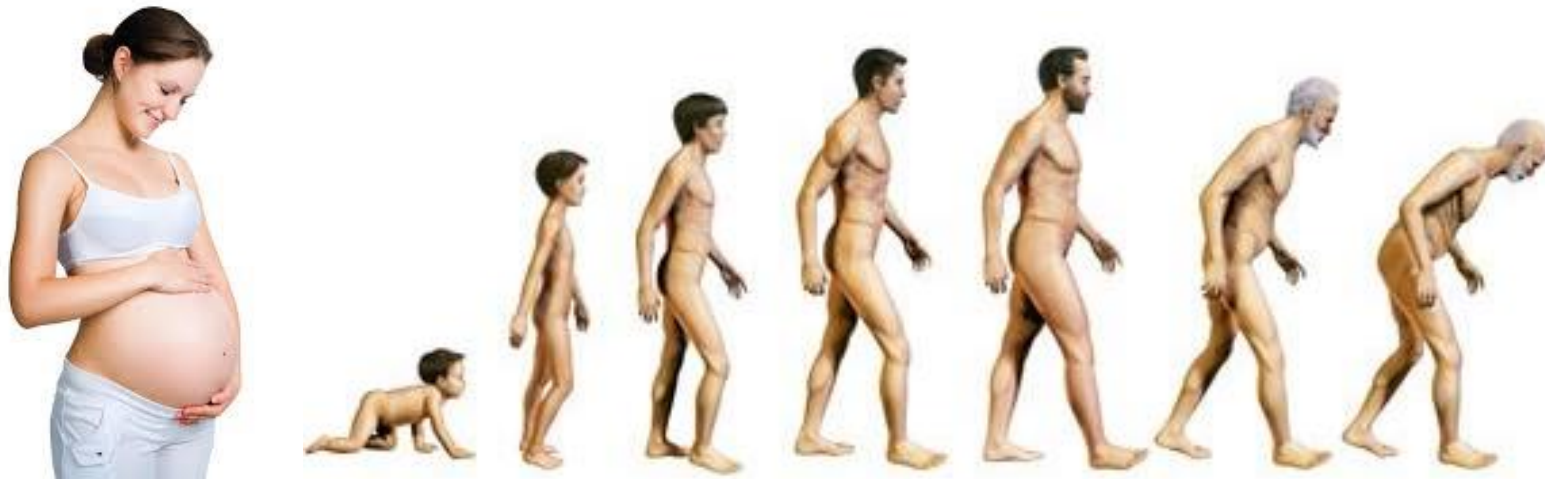
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Cleaning our transport system

Modal shift

- Suburban Rail (MetroWest)
- Rapid Transit (MetroBus)
- Cycling/Walking Development
- Resident's Parking
- 20mph
- Land Use Planning System

Cleaner vehicles

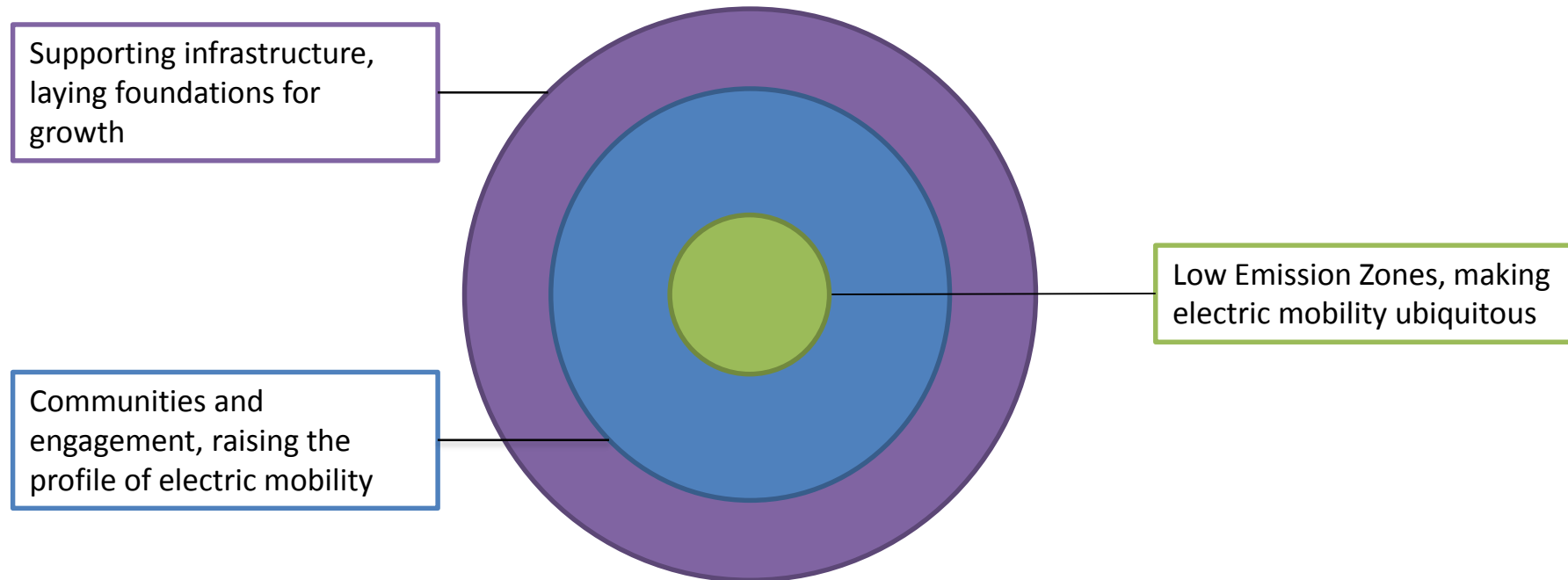
- Electric Vehicle Infrastructure: Go Ultra Low West
 - Clean Air Zones
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GoUltraLow west



- Office of Low Emission Vehicles Funding Programme
 - Go Ultra Low Cities - £40m funding
 - Four cities: Nottingham, Milton Keynes, London and West of England
 - West of England's Programme £7m
 - Four Councils – Bristol, Bath, North Somerset and South Gloucestershire
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GoUltraLow west



GoUltraLow west



By **2020** we can achieve **5000** new ULEVS Appendix 1



Leading the way with **100+** ULEVs

200 additional charging points to take total up to **400** across the region



35 organisations have pledged **100** cars/vans

10%

Higher propensity for ULEV uptake than national average

3 HOV / Bus Lanes opened to ULEVs



£

£

Fully considered business model to result in self sufficient charging network by 2020

Clean Air Zones

- New policy instrument from Government
 - Still being consulted upon
 - Charging vehicles to enter a zone based on their emission class
 - euro standards
 - 5 cities are required to implement them: Birmingham, Derby, Leeds, Nottingham, Southampton
 - Bristol is undertaking a feasibility study funded by Government
 - Decision on implementation in 2018
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National Clean Air Zone Framework

Clean Air Zone class	Vehicles included
A	Buses, coaches and taxis ²³
B	Buses, coaches, taxis and heavy goods vehicles (HGVs)
C	Buses, coaches, taxis, HGVs and light goods vehicles (LGVs)
D	Buses, coaches, taxis, HGVs, LGVs and cars

Vehicle type	NO _x Emissions limit
Bus/coaches	Euro VI
HGV	Euro VI
Van (1305-3500kg)	Euro 6 (diesel) Euro 4 (petrol)
Car/light commercial (up to 1305kg)	Euro 6 (diesel) Euro 4 (petrol)

Looking Forward

- Comprehensive package of infrastructure, regulation and communication underway
 - We are actively driving the transition from Fossil Fuels to Clean Fuels
 - Innovation will create new opportunities and new threats
 - We are on an exciting journey!
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Thank you!



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