Bristol’s Clean Transport Journey

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BRISTOL 2015 EUROPEAN GREEN CAPITAL

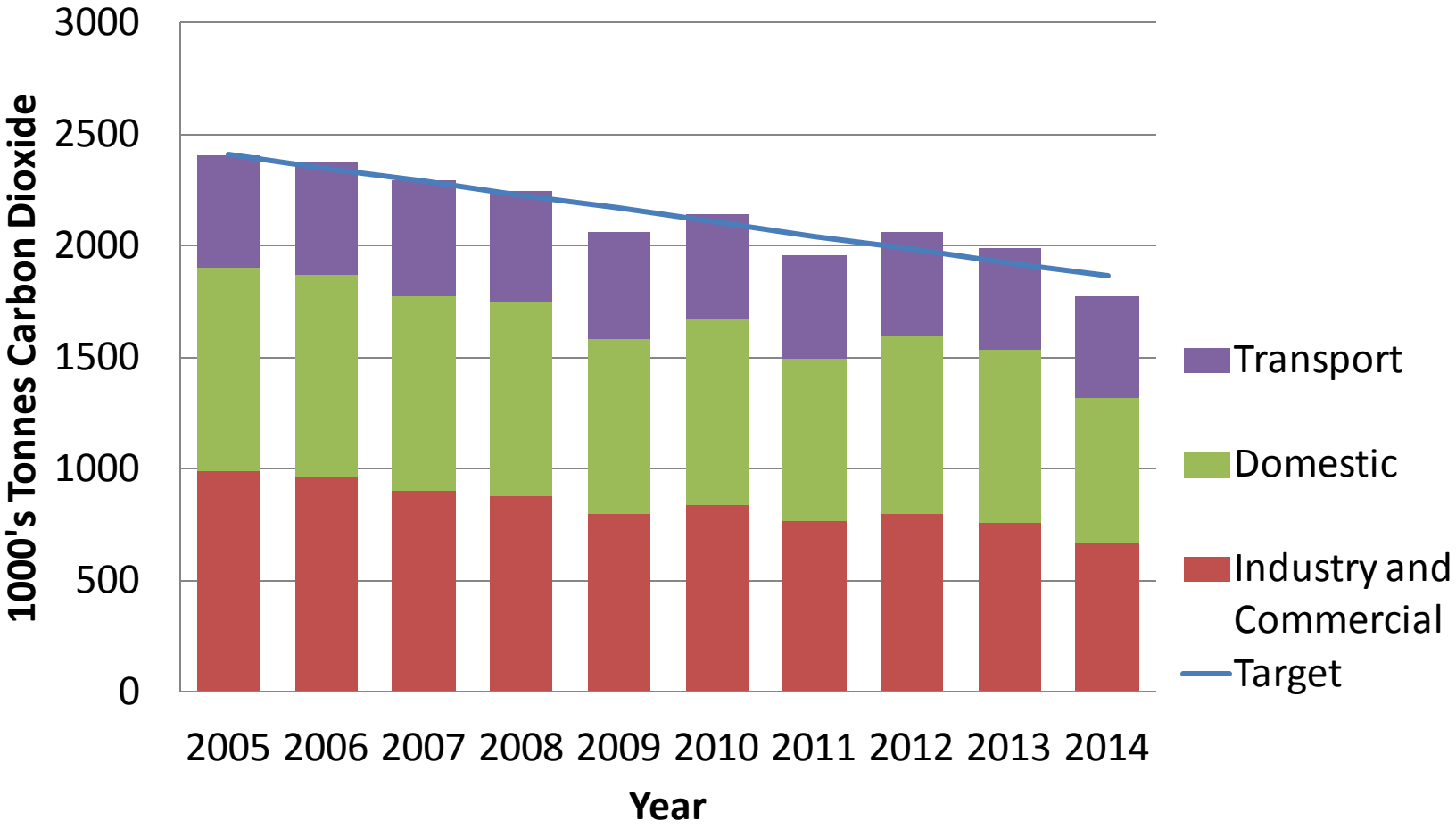
In it for good™

Continuing the Journey

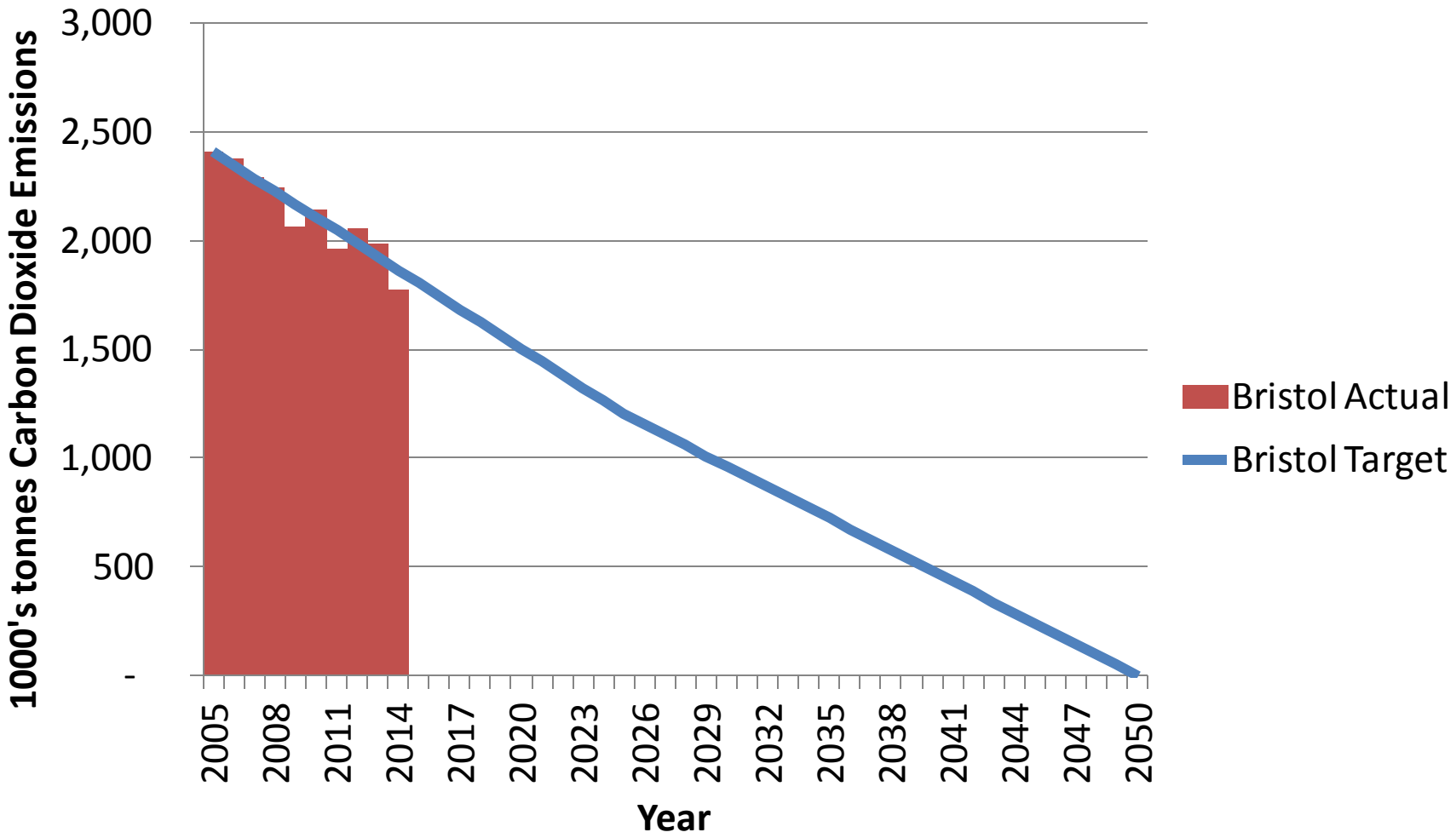
- Strong cross-party political commitment to action, specifically on:
  - Climate Change
  - Air Quality

- Mayor Marvin Rees elected with strong commitment to *"put Bristol on course to be run entirely on clean energy by 2050"*

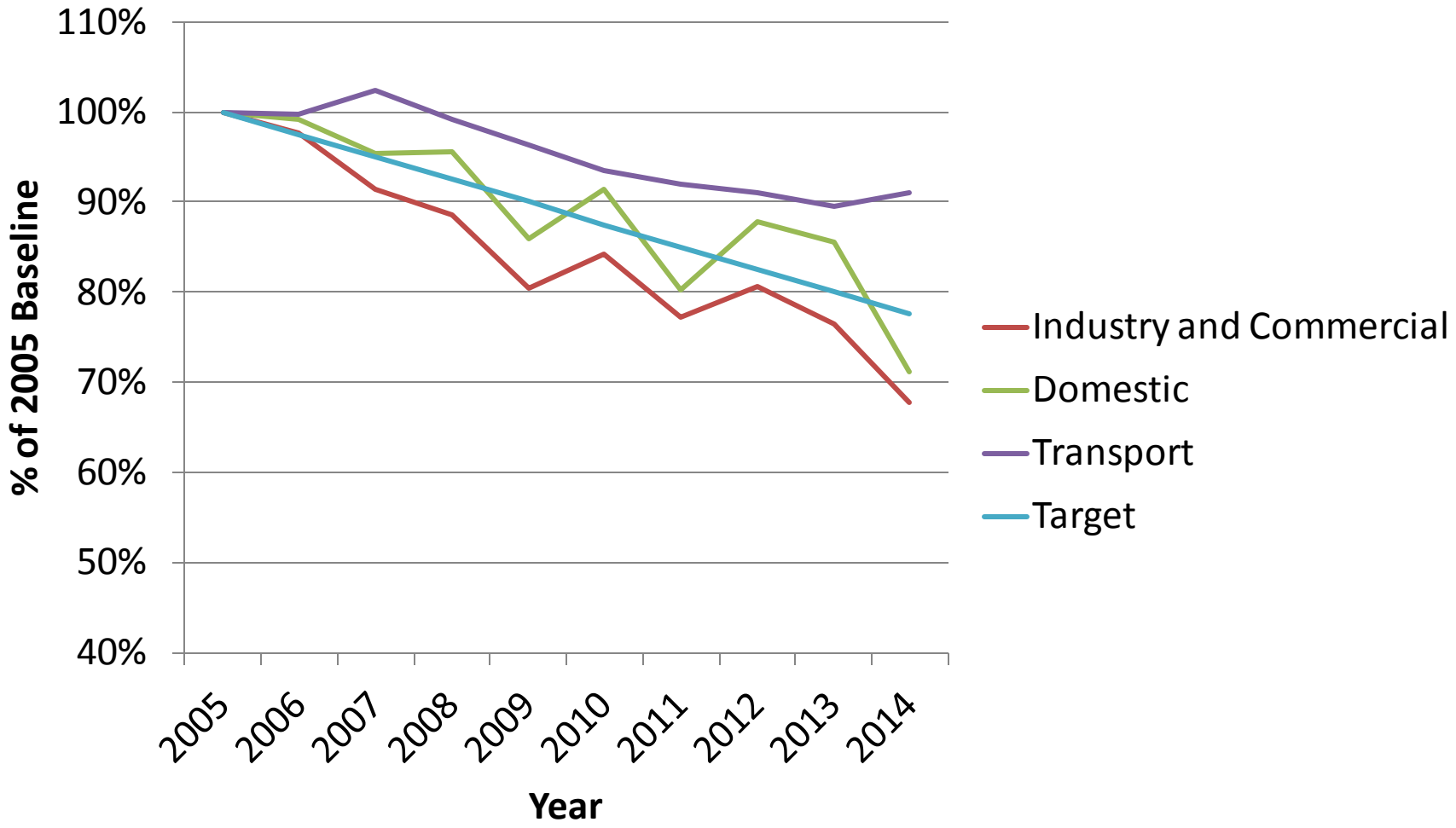
Cleaning our Energy System
CO_2 emissions



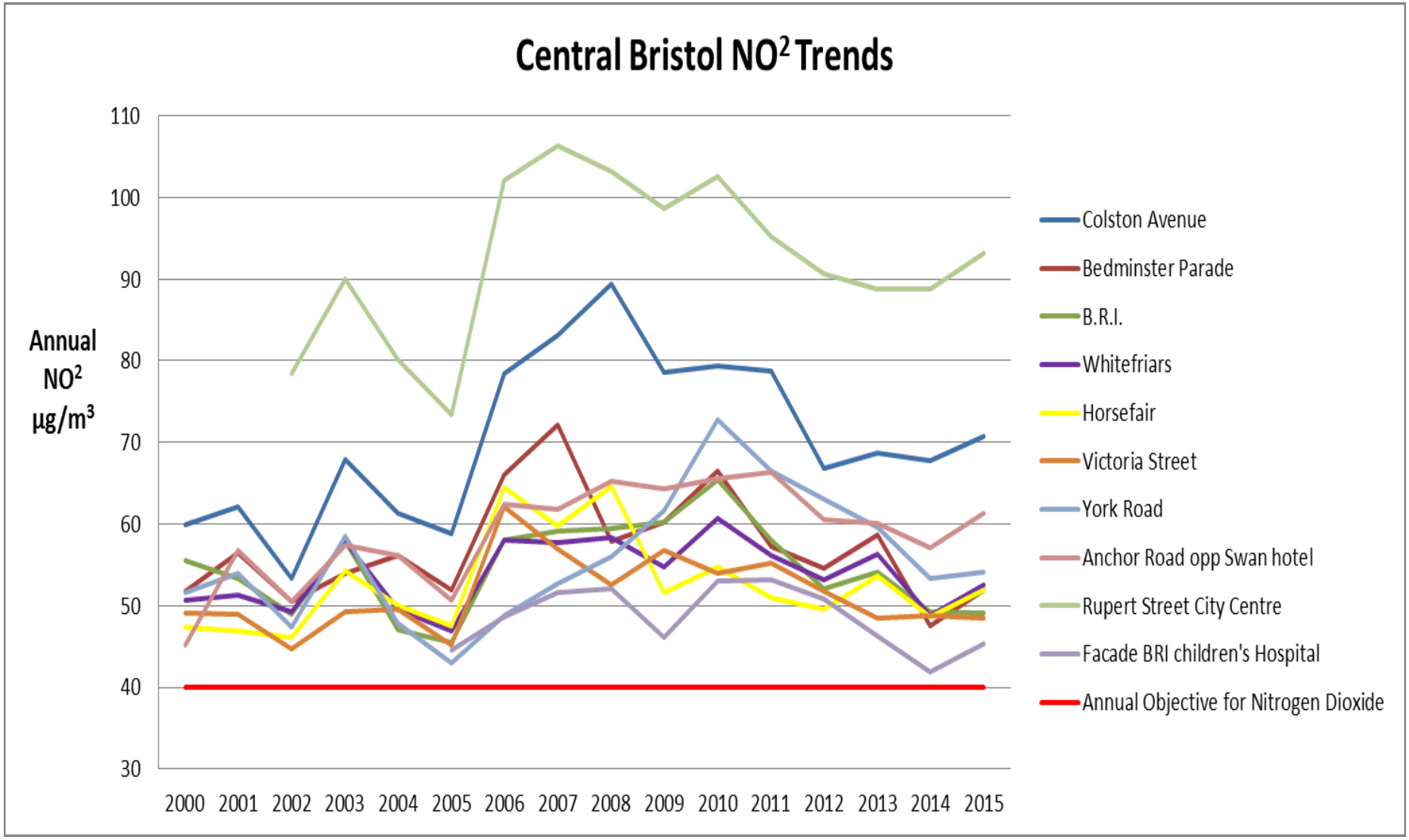
CO_2 On course for 2050!



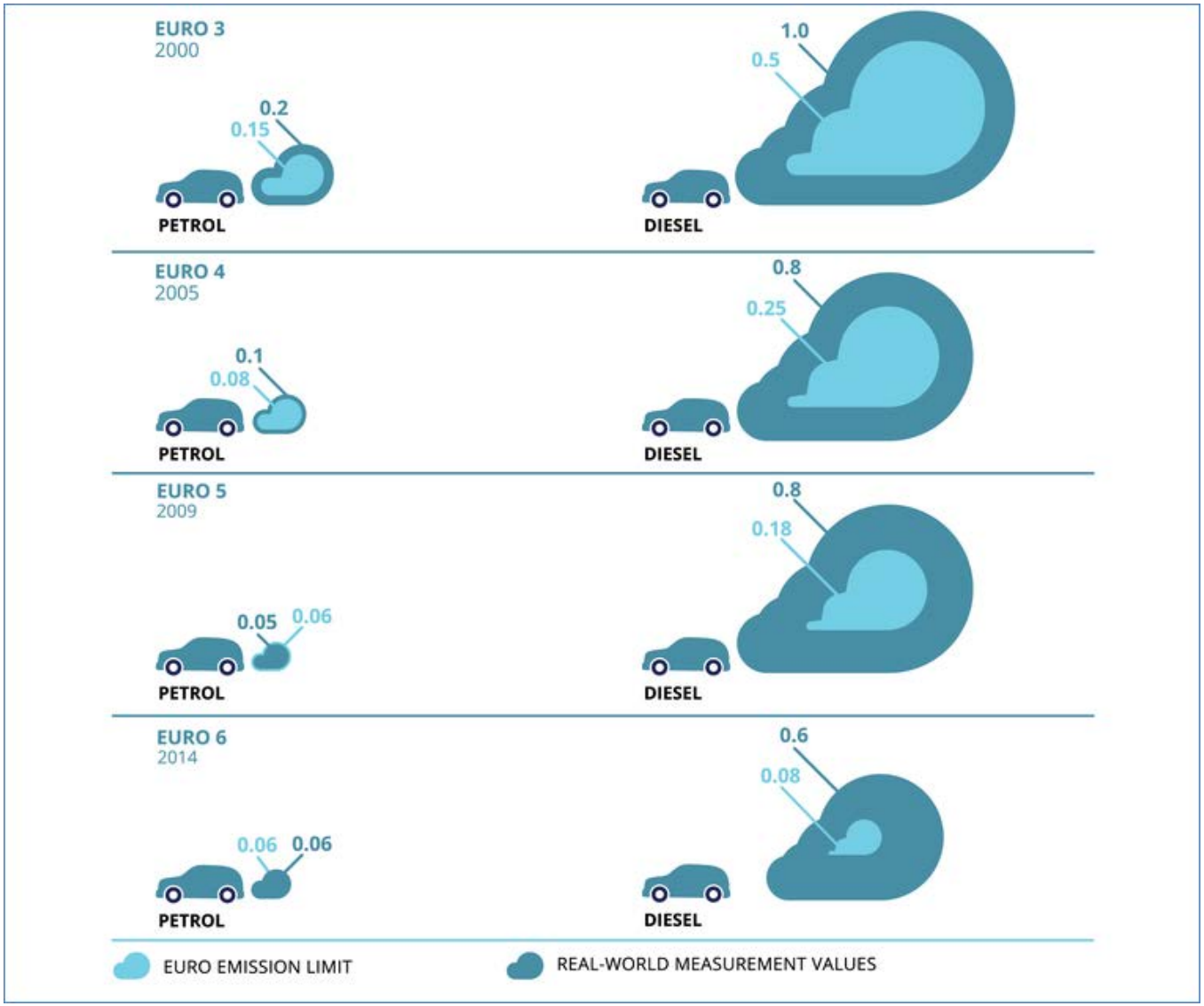
But not in the Transport Sector



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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Cleaning our transport system

Modal shift

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

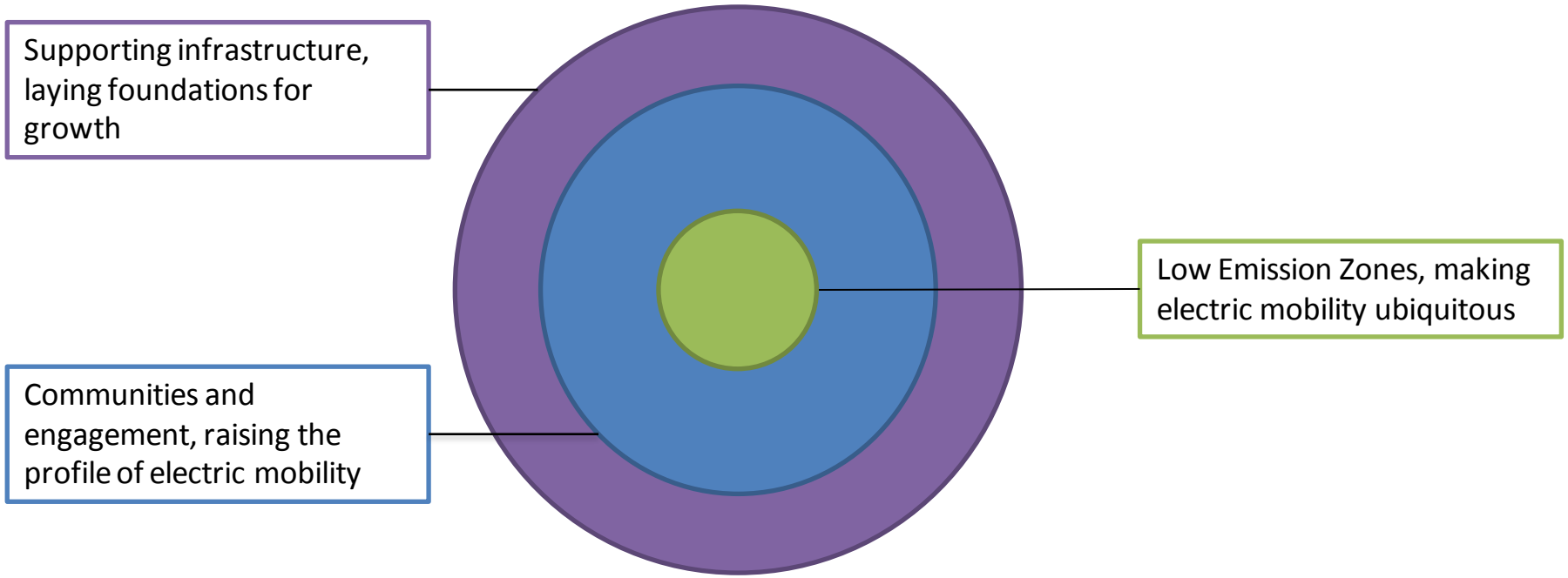
Cleaner vehicles

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

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

GoUltraLow west



GoUltraLow west

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

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

10% Higher propensity for ULEV uptake than national average

Leading the way with **100+** ULEVs

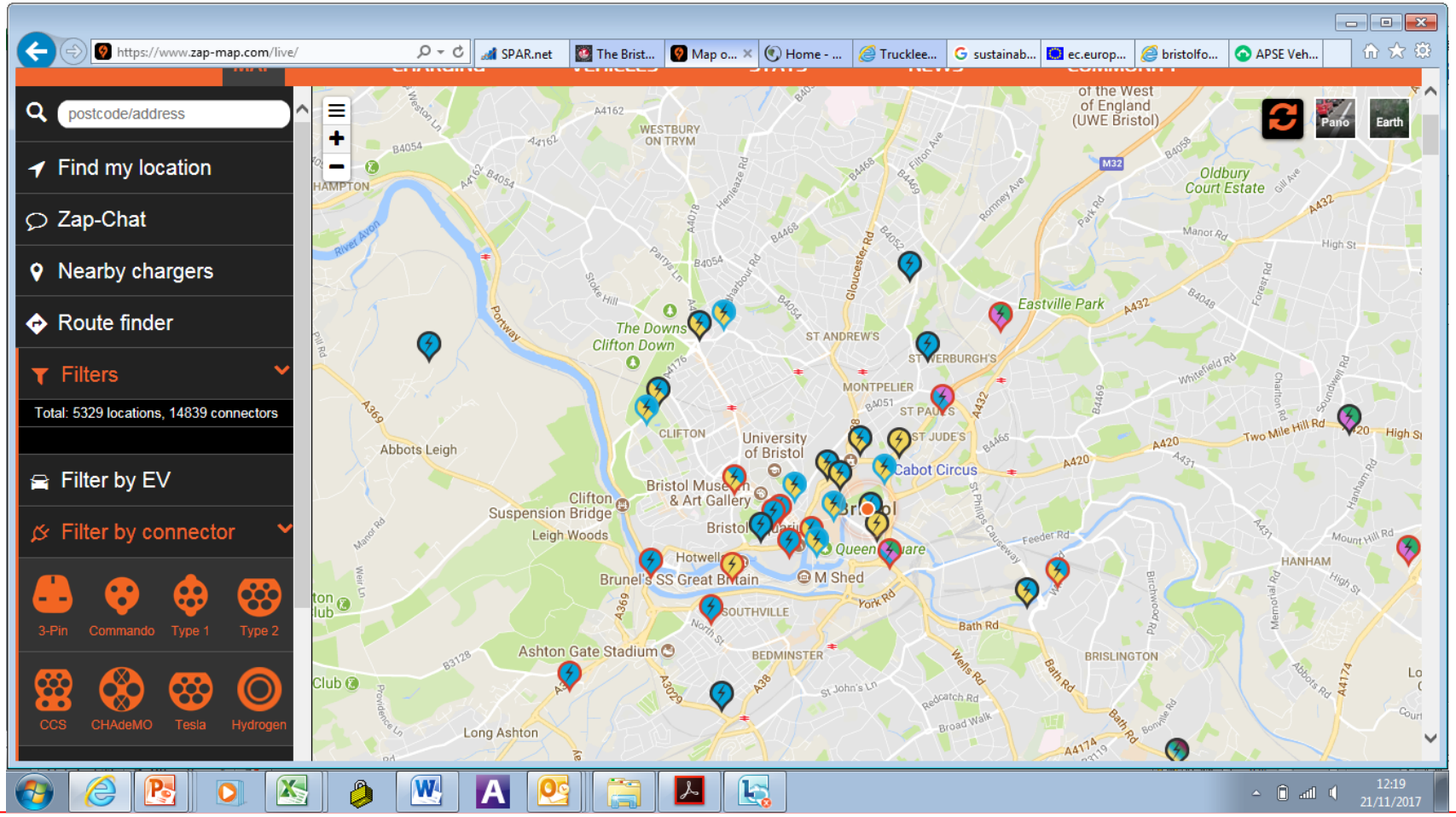
35 organisations have pledged **100** cars/vans

3 HOV / Bus Lanes opened to ULEVS

EV ✓

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

Doubling the WoE
200 Charge Point Network



Electric Bristol City Council Fleet

All Electric Buses in Umea, Northern Sweden

Clean Air Zones

- New policy instrument from Government
- Charging vehicles to enter a zone based on their emission class
- 5 cities are required to implement them: Birmingham, Derby, Leeds, Nottingham, Southampton
- 20 other councils “Directed” to develop action plans by Government

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)

Electric Freight Consolidation

130 new Biogas buses for Bristol

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!

Thank you!

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