

West Midlands WP2 - Vehicle Emissions

Prof. Francis Pope

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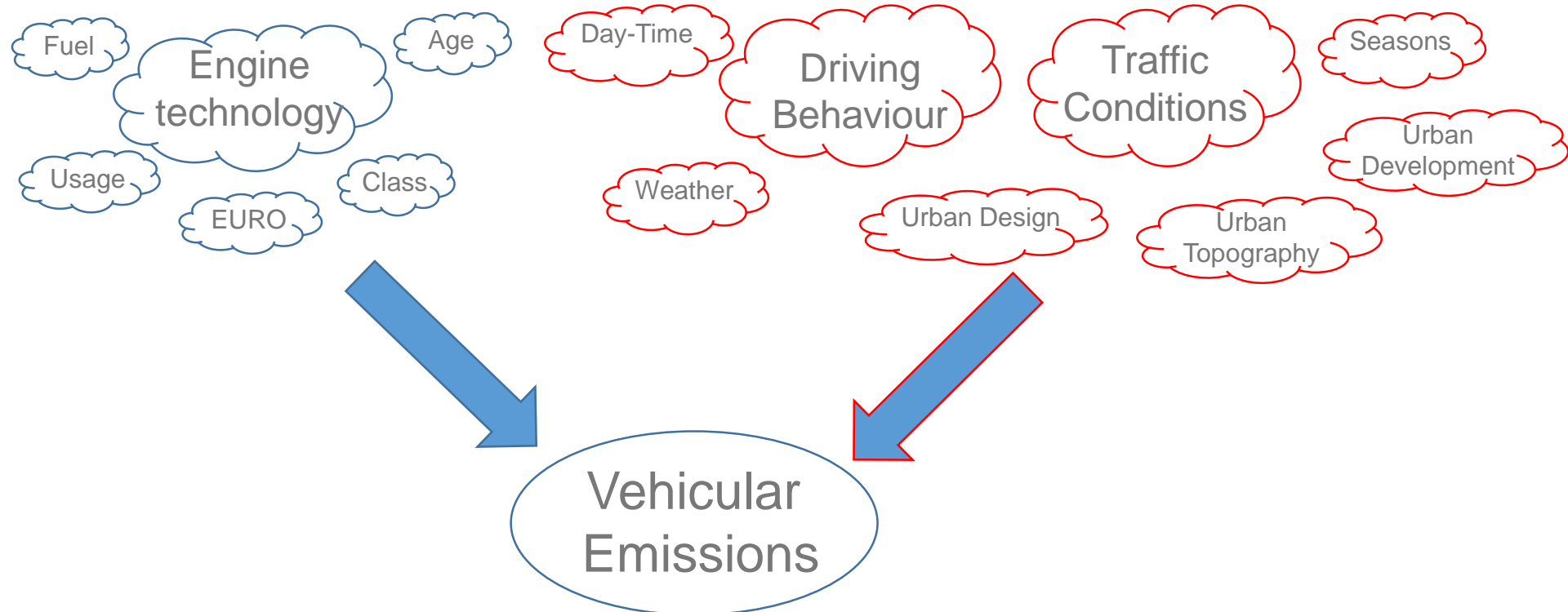
School of Geography,

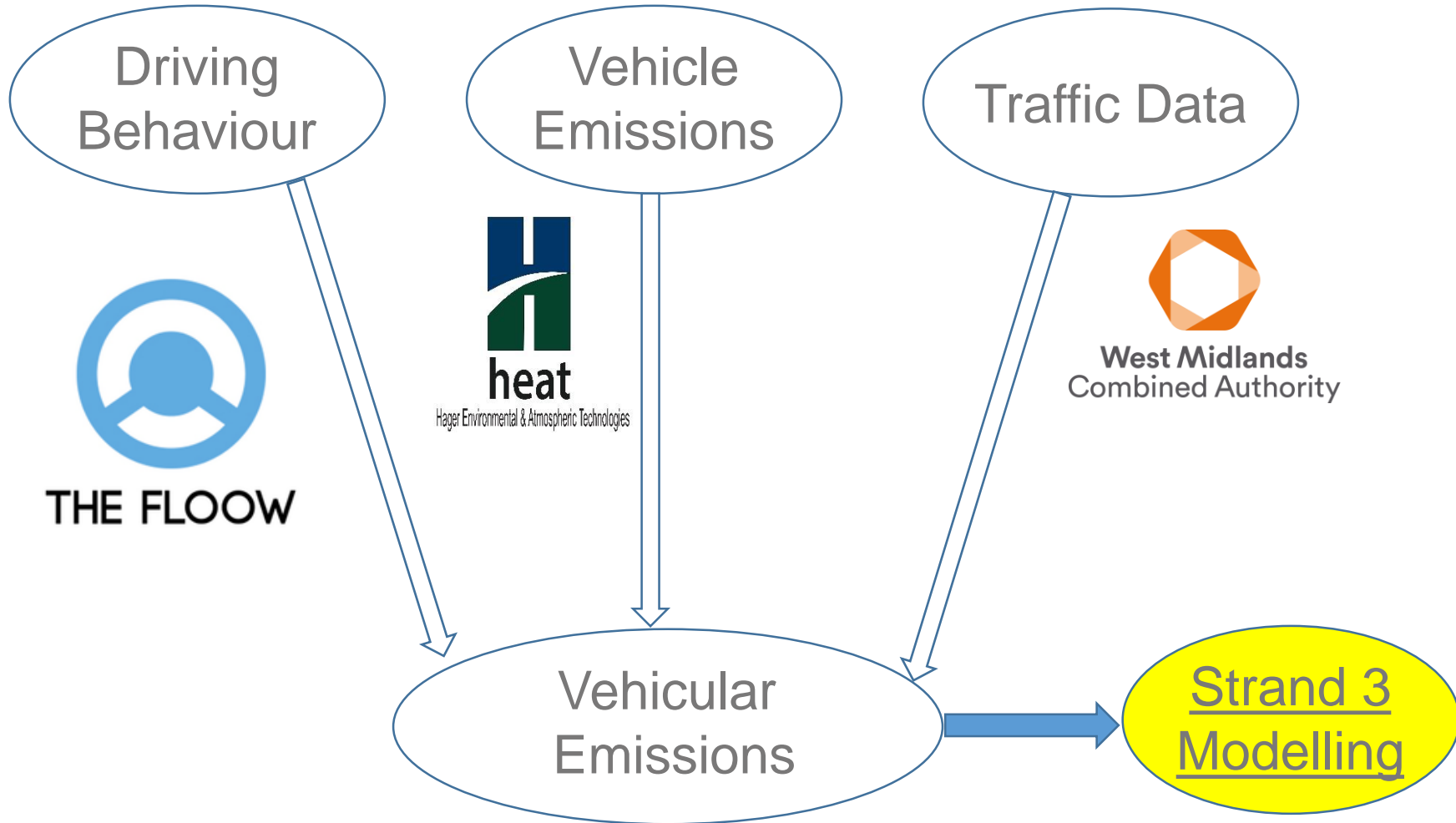
Earth, and Environmental Sciences

University of Birmingham

WM-AIR
CLEAN AIR SCIENCE FOR
THE WEST MIDLANDS



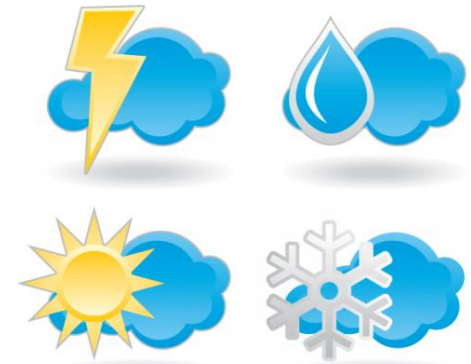
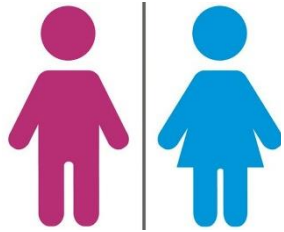






THE FLOW

Driving Characteristics (Important Factors)



Automotive & Light Truck

Delivery and Light Truck

Medium Duty Truck

Heavy Duty Truck and Bus

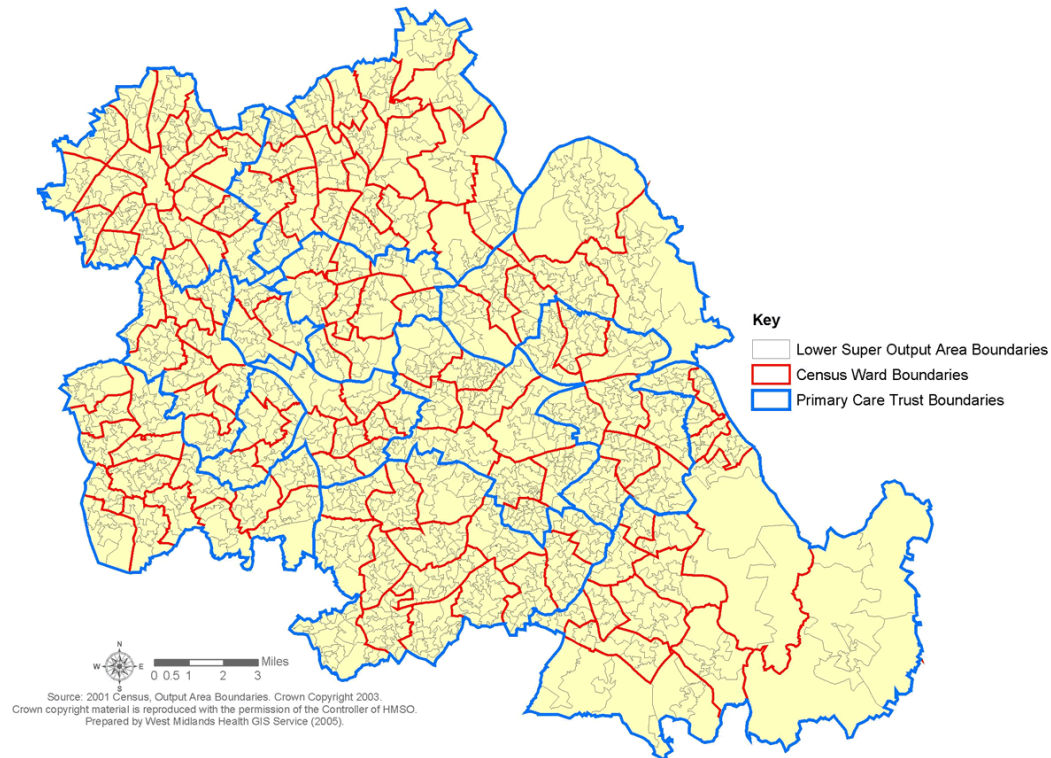
CLASS	Weight Range	Vehicle Types
CLASS 1	6,000 lbs or less	MINIVAN, LIGHT TRUCK, SUV, PICKUP TRUCK
CLASS 2	6,001 to 10,000 lbs	MINIVAN, LIGHT TRUCK, SUV, PICKUP TRUCK
CLASS 3	10,001 to 14,000 lbs	MINIVAN, LIGHT TRUCK, SUV, PICKUP TRUCK
CLASS 4	14,001 to 16,000 lbs	MINIVAN, LIGHT TRUCK, SUV, PICKUP TRUCK
CLASS 5	16,001 to 19,500 lbs	MINIVAN, LIGHT TRUCK, SUV, PICKUP TRUCK
CLASS 6	19,501 to 26,000 lbs	LARGE TRUCK, CITY DELIVERY
CLASS 7	26,001 to 33,000 lbs	SCHOOL BUS, TRUCK, PICKUP TRUCK
CLASS 8	33,001 to REALLY HUGE	TRUCK, TRUCK, TRUCK, TRUCK, TRUCK



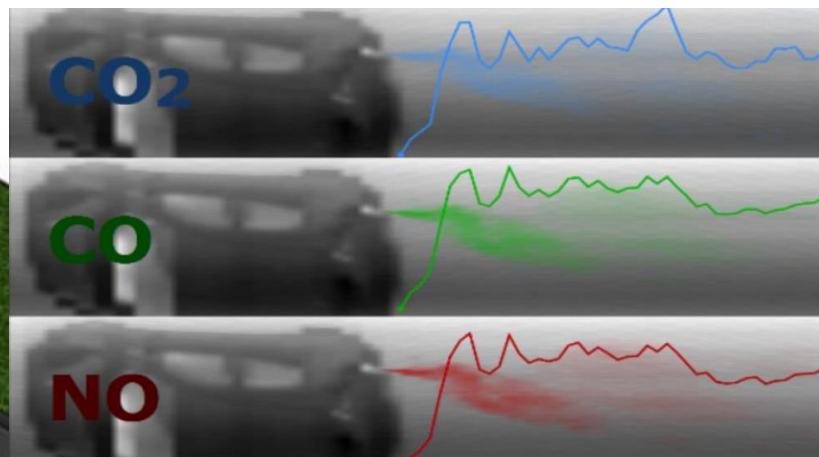
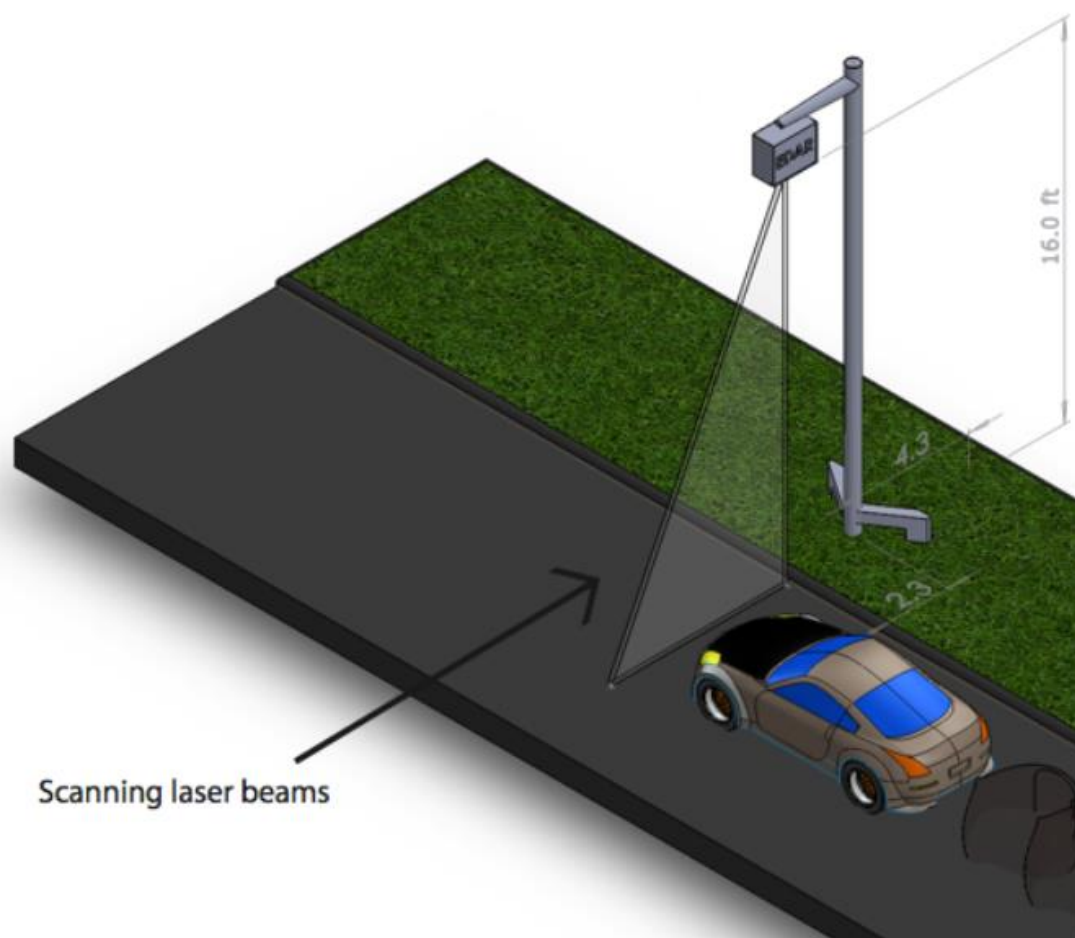
Driving Characteristics (Spatial Characteristics)



THE FLOW

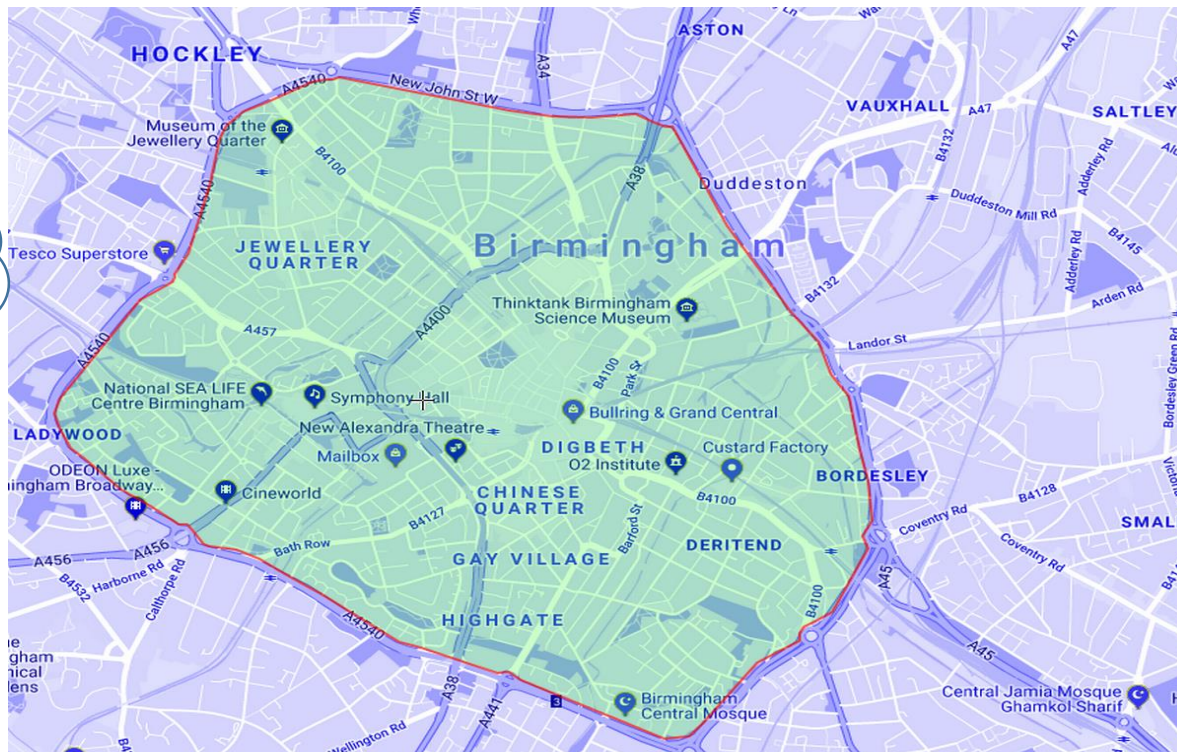


Emission Factors (EDAR)



CAZ assessment (How people response to CAZ?)

Post-CAZ
2022-2023



Pre-CAZ
2018-2020

CAZ implementation
2020-2021

Vehicular Emission – CO₂



Road transport contributes about **one-fifth** of the European Union's total emission of carbon dioxide (CO₂), **75%** of which originates from passenger cars.



THE FLOOR



Hager Environmental & Atmospheric Technologies



UNIVERSITY OF LEEDS

Meetings

28th Oct.

22th Oct.

4th Sep.

10th Oct.

16th Sep.

13th Sep.

