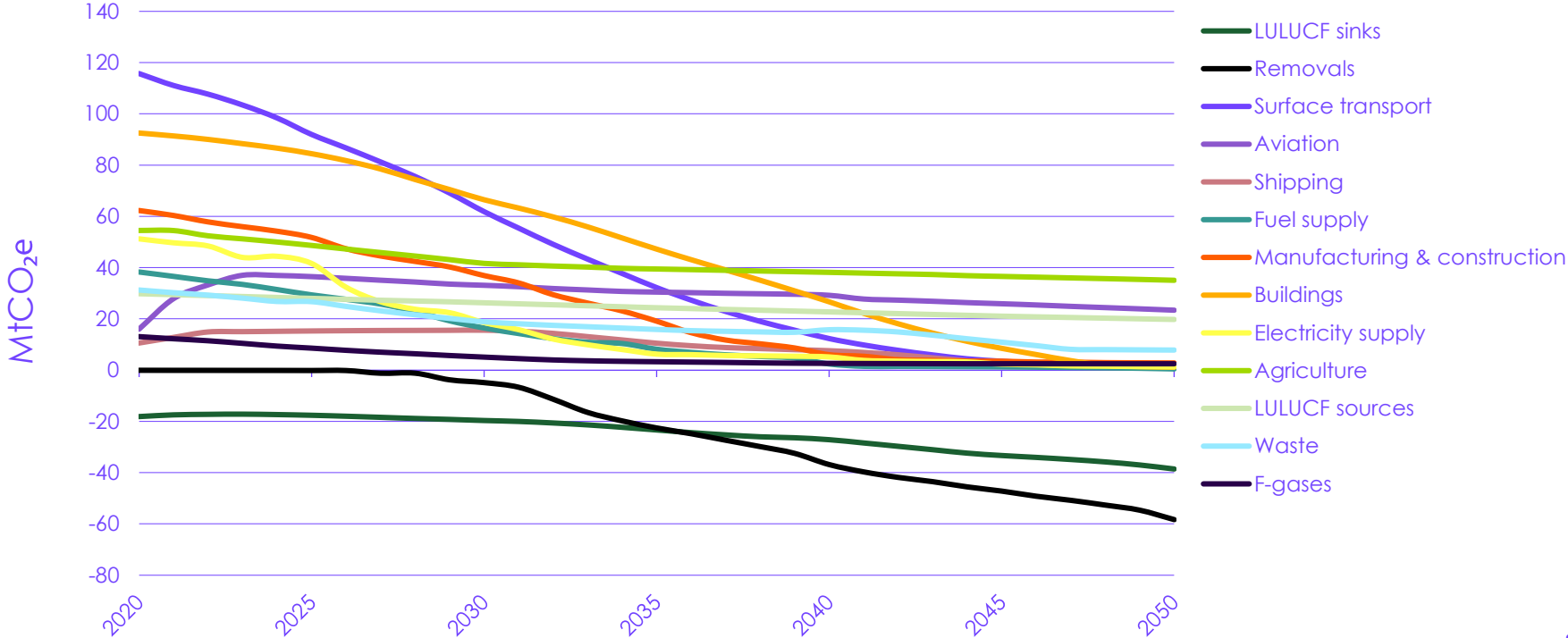


Climate Change Committee

The CCC outlook

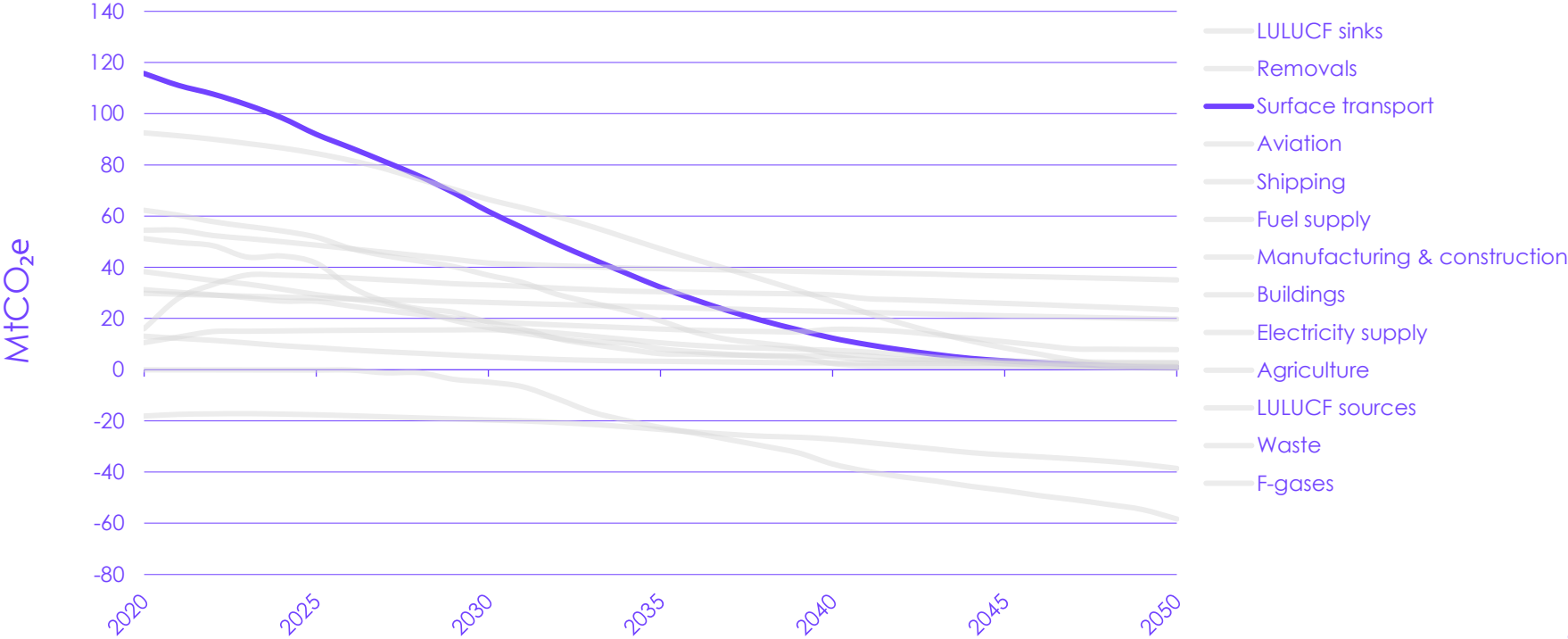
Net Zero by 2050 is a cross-economy challenge



Source
CCC analysis

The CCC outlook

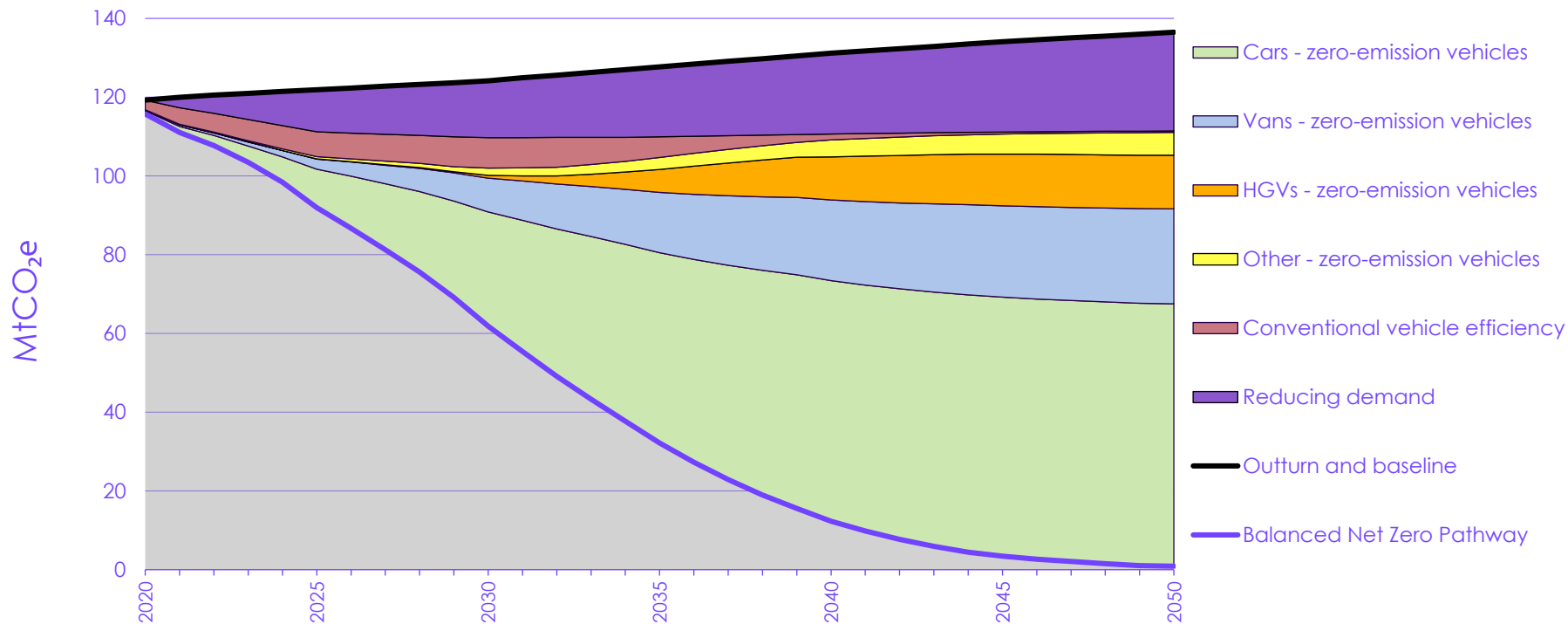
Net Zero by 2050 is a cross-economy challenge



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CCC analysis

The CCC outlook

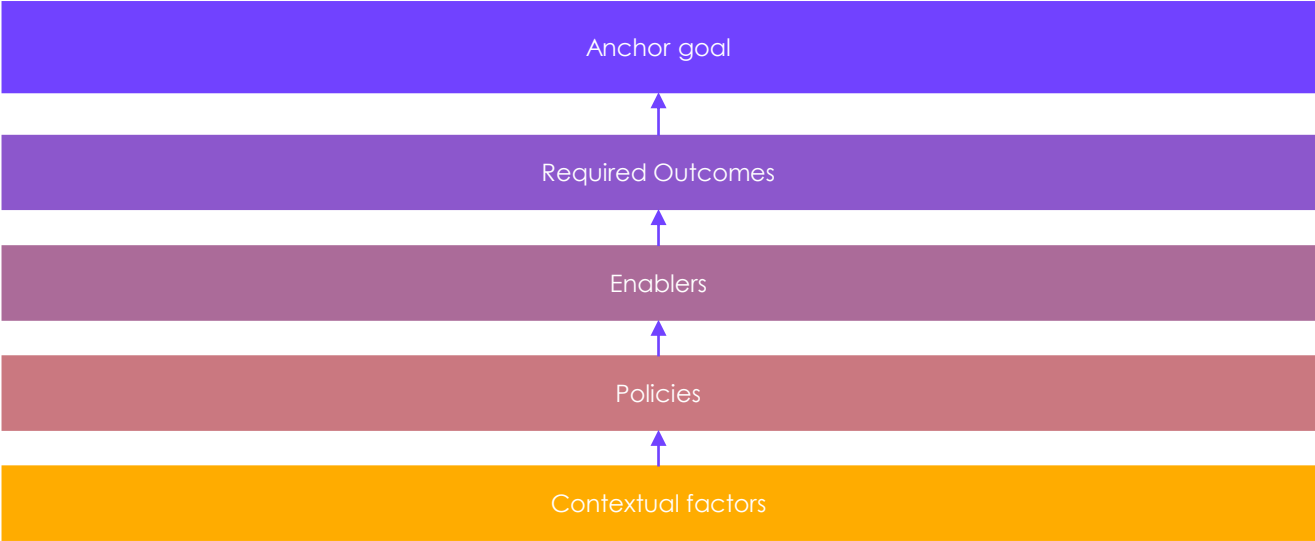
The pathway for surface transport



Source
CCC analysis

Real-world delivery

Real-world delivery
Monitoring progress



Real-world delivery

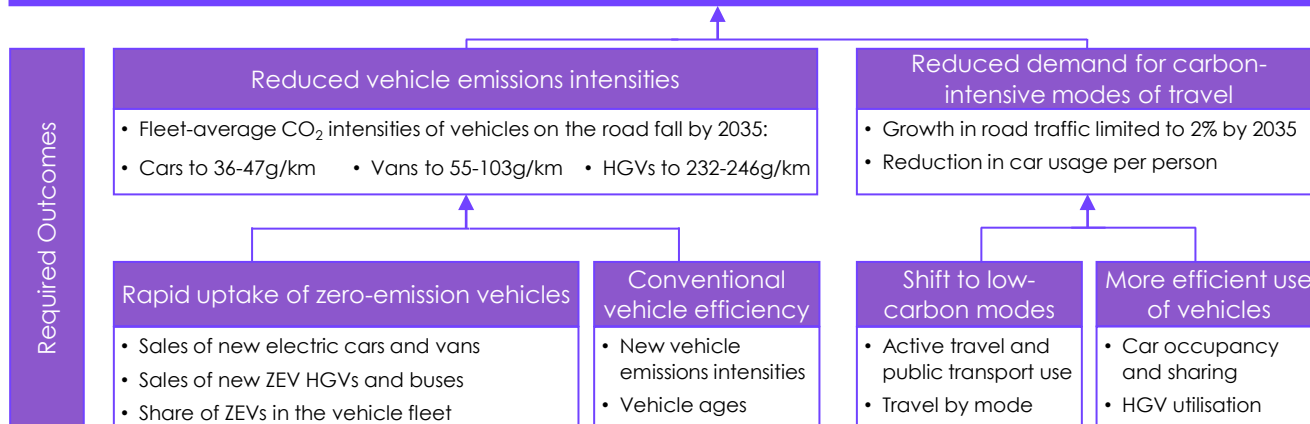
Monitoring map example – Surface transport

Surface transport emissions to reduce by 75% by 2035 (relative to 2019)

Real-world delivery

Monitoring map example – Surface transport

Surface transport emissions to reduce by 75% by 2035 (relative to 2019)



Real-world delivery

Monitoring map example – Surface transport

Surface transport emissions to reduce by 75% by 2035 (relative to 2019)

Required Outcomes

Enablers

Robust supply of quality ZEVs

- Availability of ZEV models
- Used EV sales

Charging infrastructure

- Public charger number + spread
- Charger reliability

Use of biofuels

- Road transport biofuel usage

Competitive low-carbon modes

- Zero-carbon travel infrastructure
- Relative mode costs

Supportive tax and spending

- Relative transport investment
- Road network status

Public and business attitudes to ZEVs

- Public perceptions of EVs
- Public charging user experience

More resource-efficient vehicles

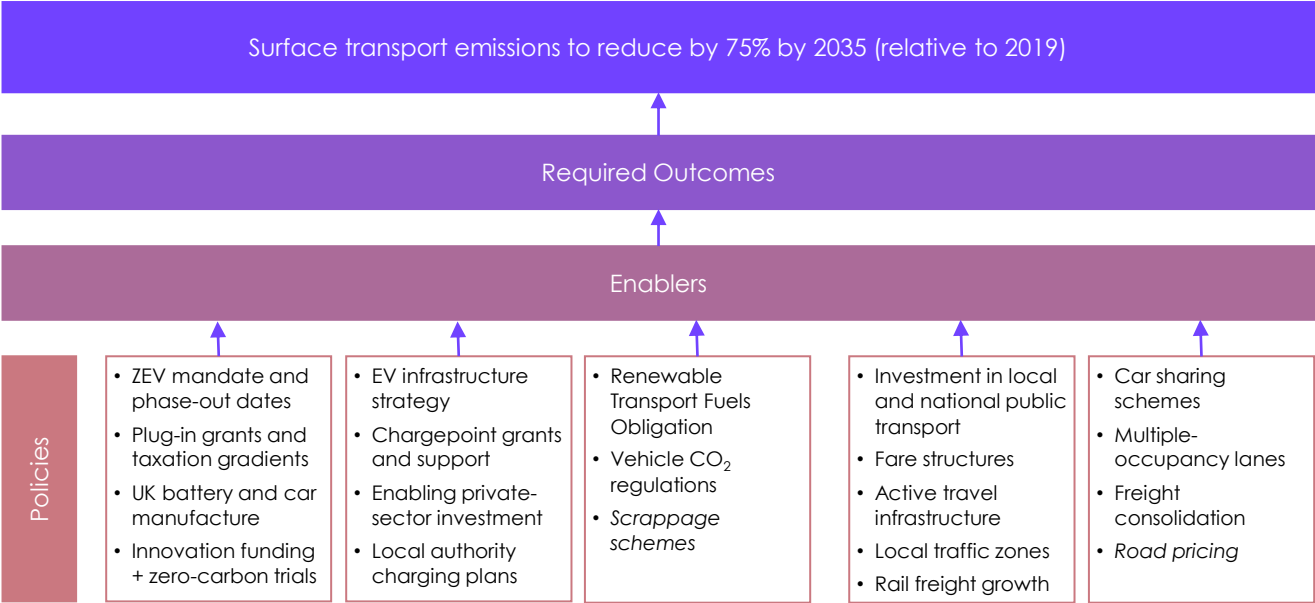
- Average car size
- EV battery capacities

Public willingness to travel more sustainably

- People choosing more sustainable modes
- Actions towards low-carbon travel

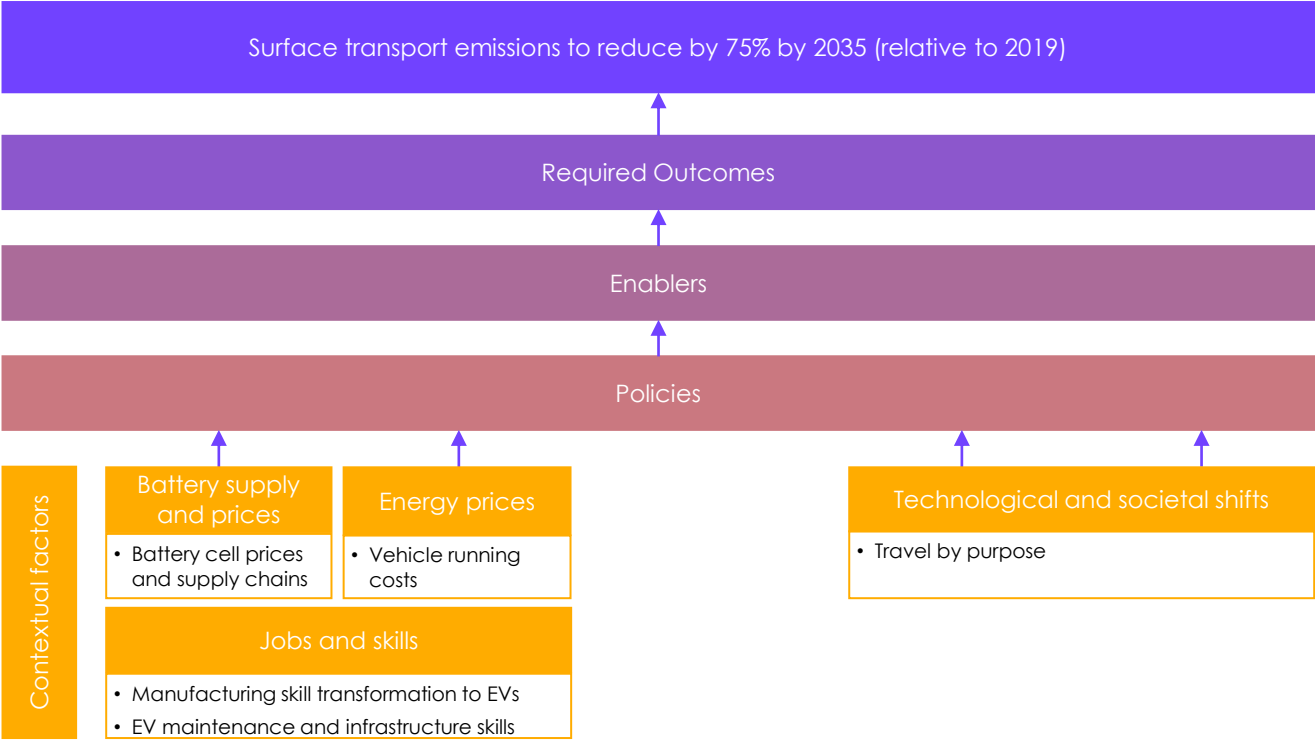
Real-world delivery

Monitoring map example – Surface transport



Real-world delivery

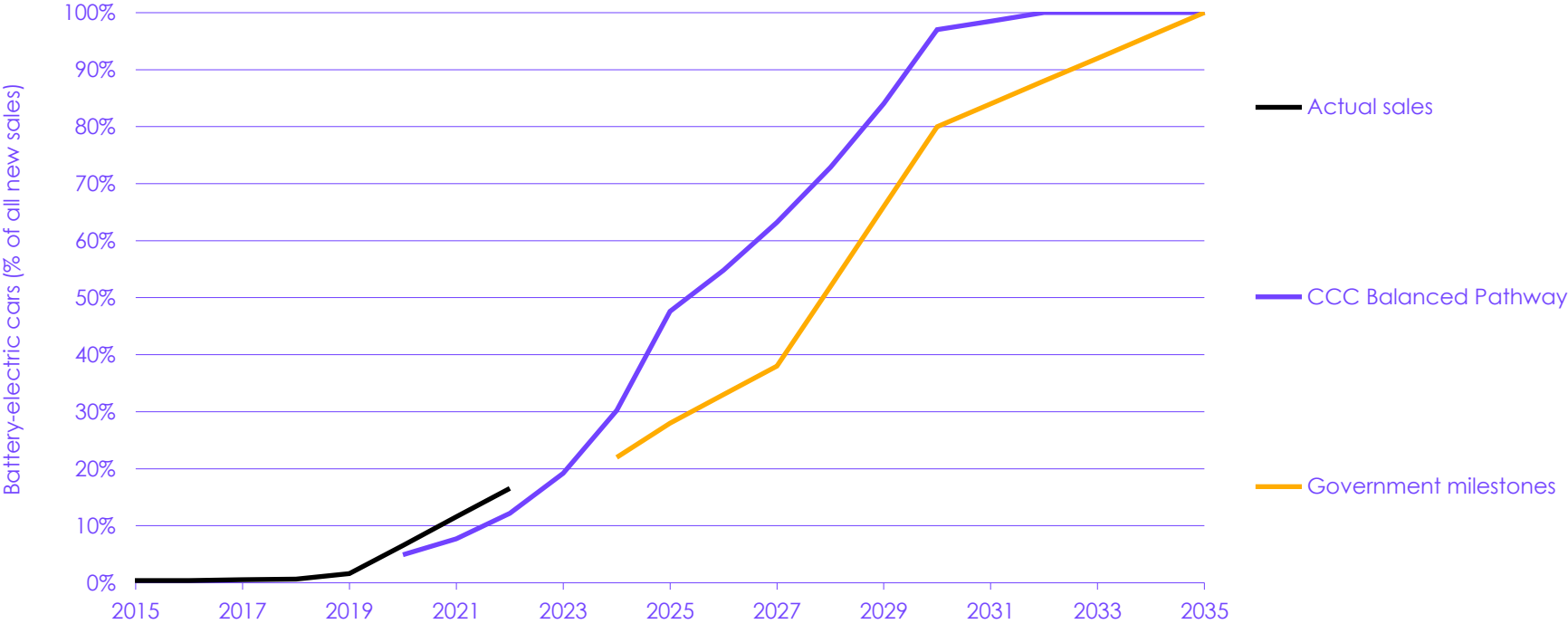
Monitoring map example – Surface transport



Are we seeing the change?

Electric car sales

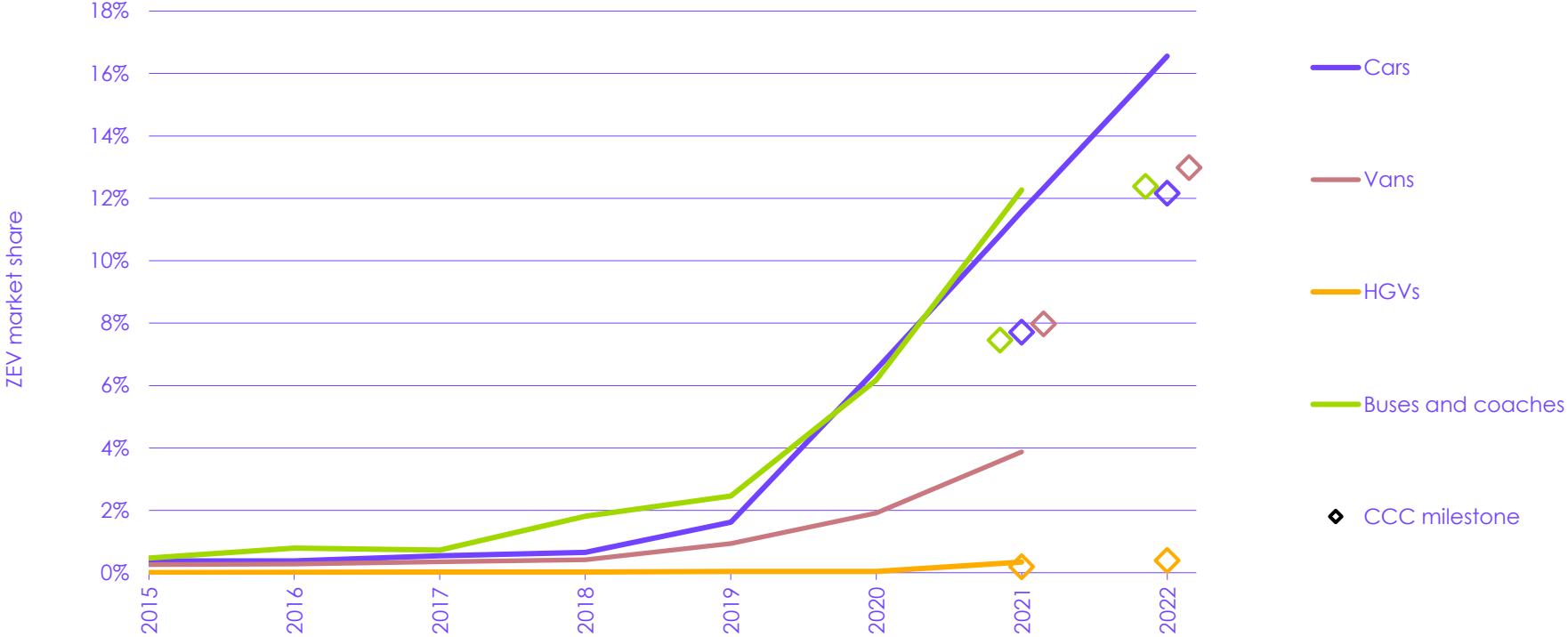
Market share ahead of expectations, but total volumes behind



Source
CCC analysis

All zero-emission vehicle sales

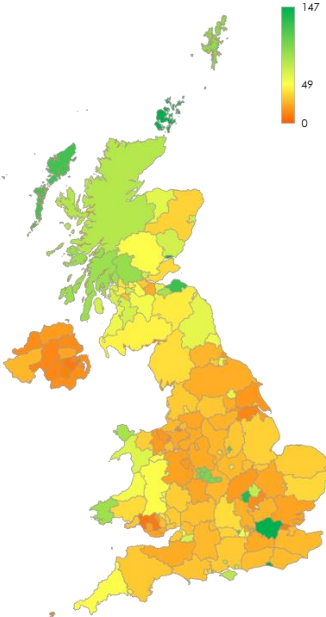
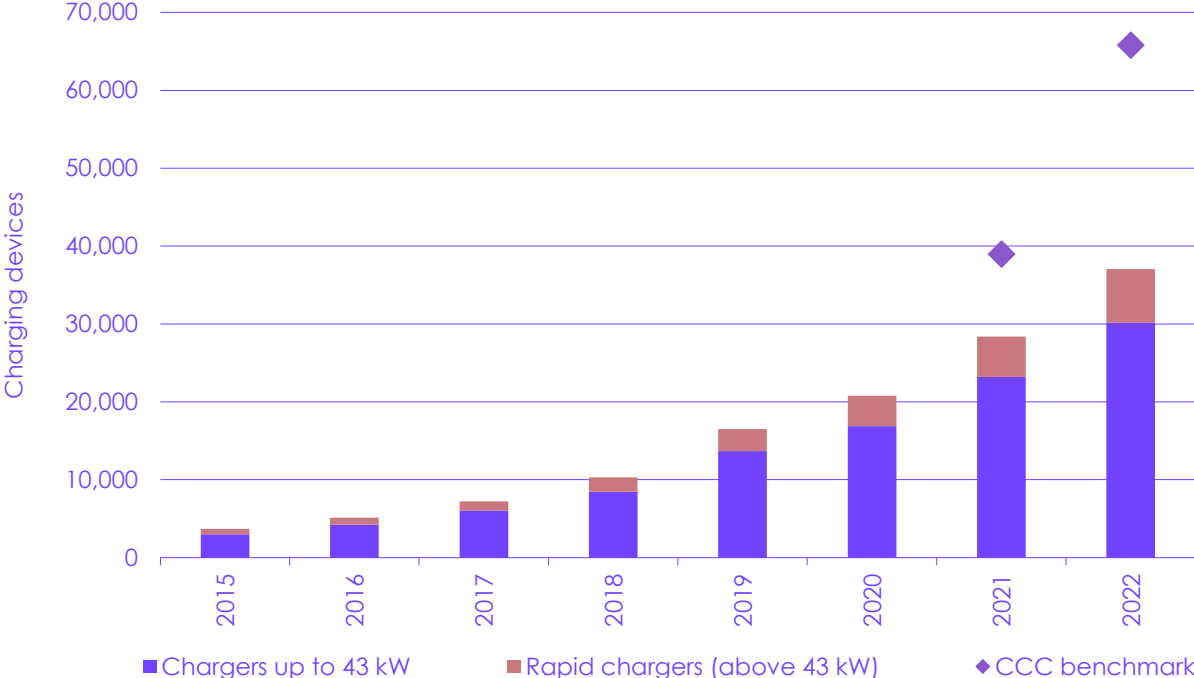
Cars and buses tracking ahead of Balanced Pathway



Source
CCC analysis

EV chargepoints

Public chargepoint deployment is growing, but unequal and falling behind the pace needed

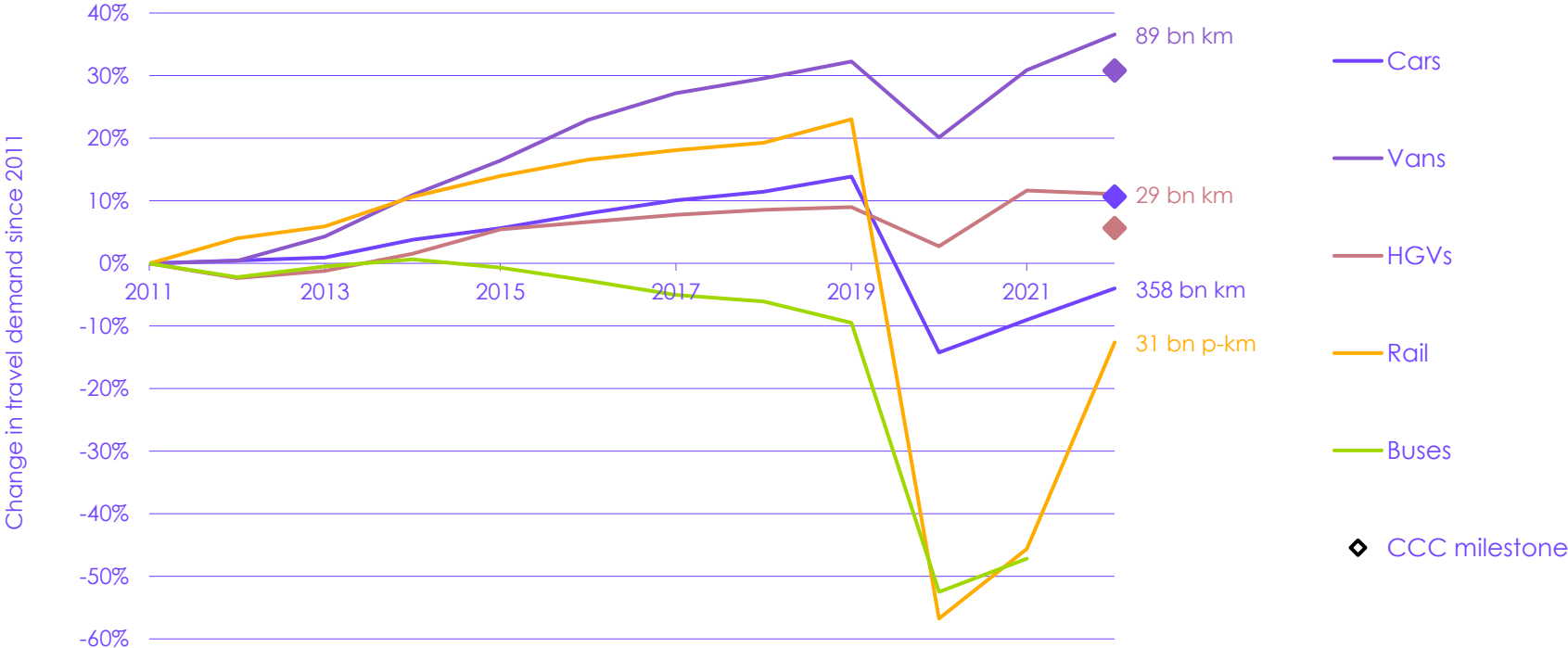


Source
CCC analysis

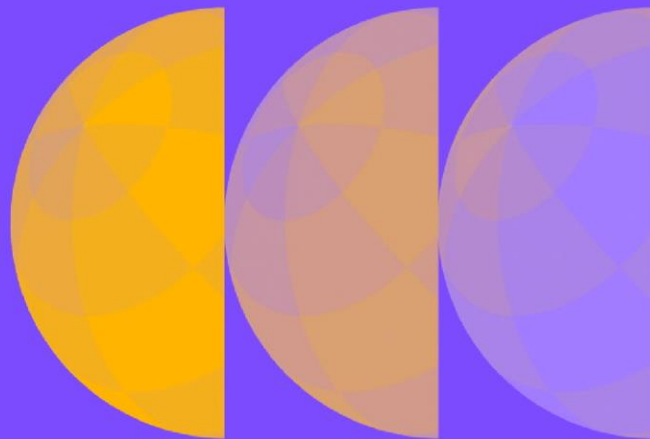
Going further

Travel demand by mode

Long-term trends towards increased car, van, and HGV use



Source
CCC analysis



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