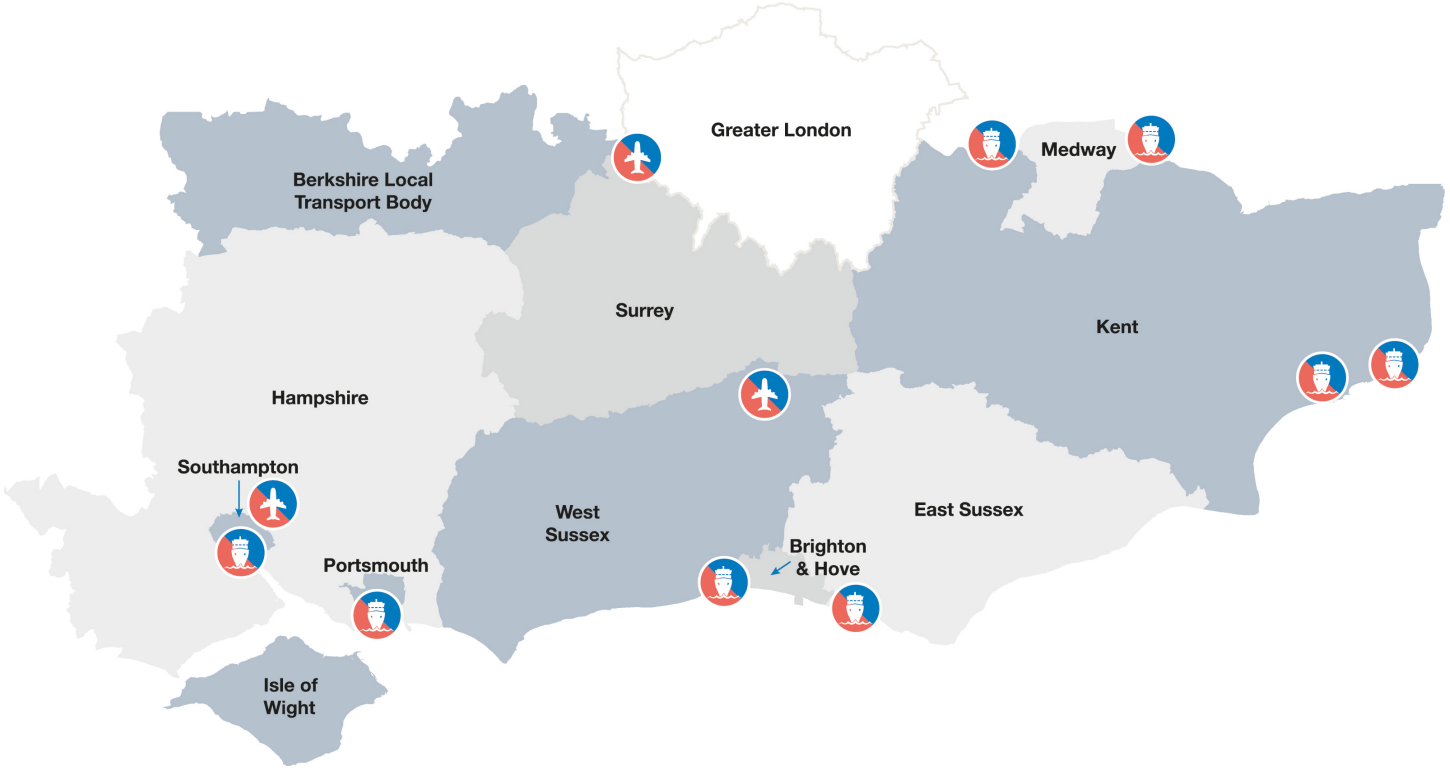
CENTRE FOR RESEARCH INTO
ENERGY DEMAND SOLUTIONS

How the tool can help local authorities meet carbon reduction goals

Mark Valleley, Transport for the South East

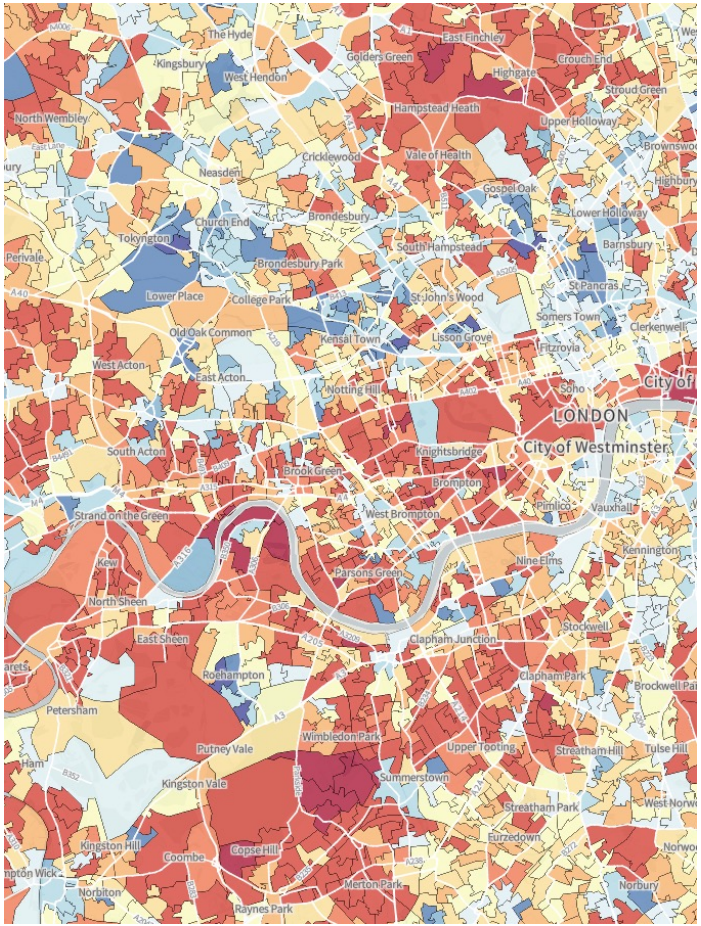
29TH JUNE 2021

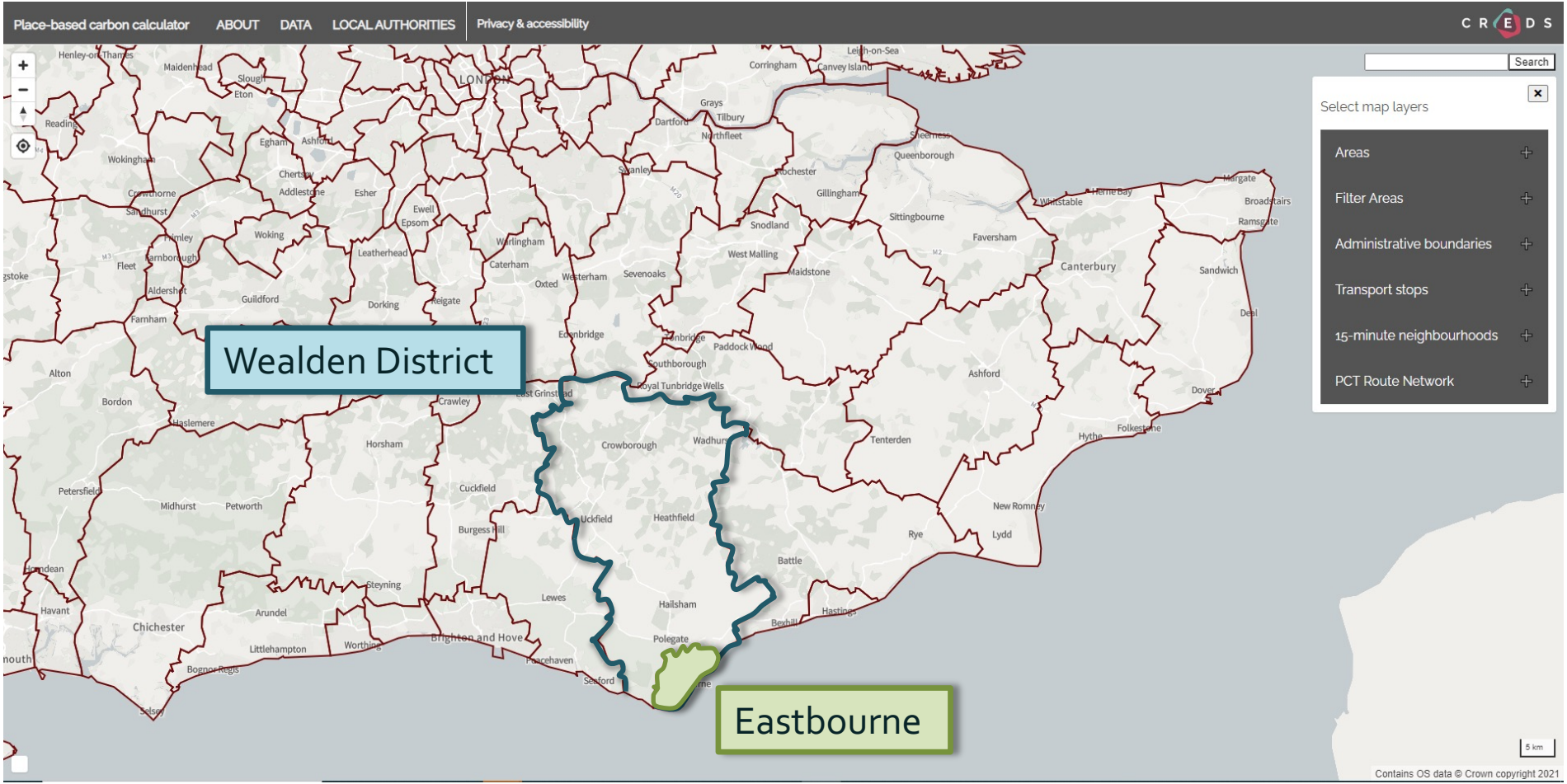
The TfSE Area

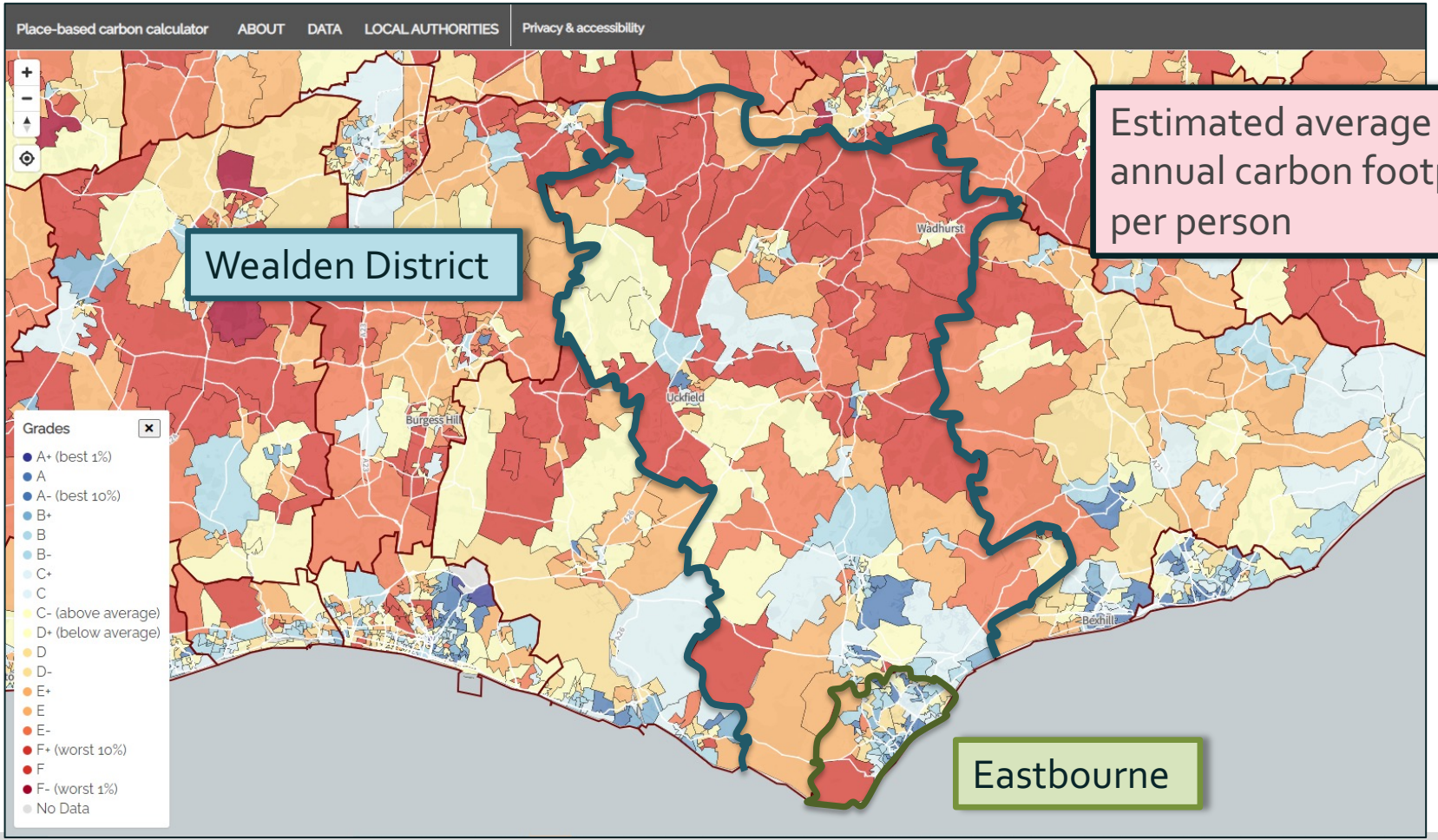


Uses of the tool

- **Measuring** baseline local carbon footprints and relative contribution of sub-areas and sectors
- **Identifying** target areas and sectors
- **Monitoring**/ evaluation of policy effectiveness
- **Benchmarking** / comparing to similar local authority areas
- **Prediction** and scenario planning
- **Public engagement**



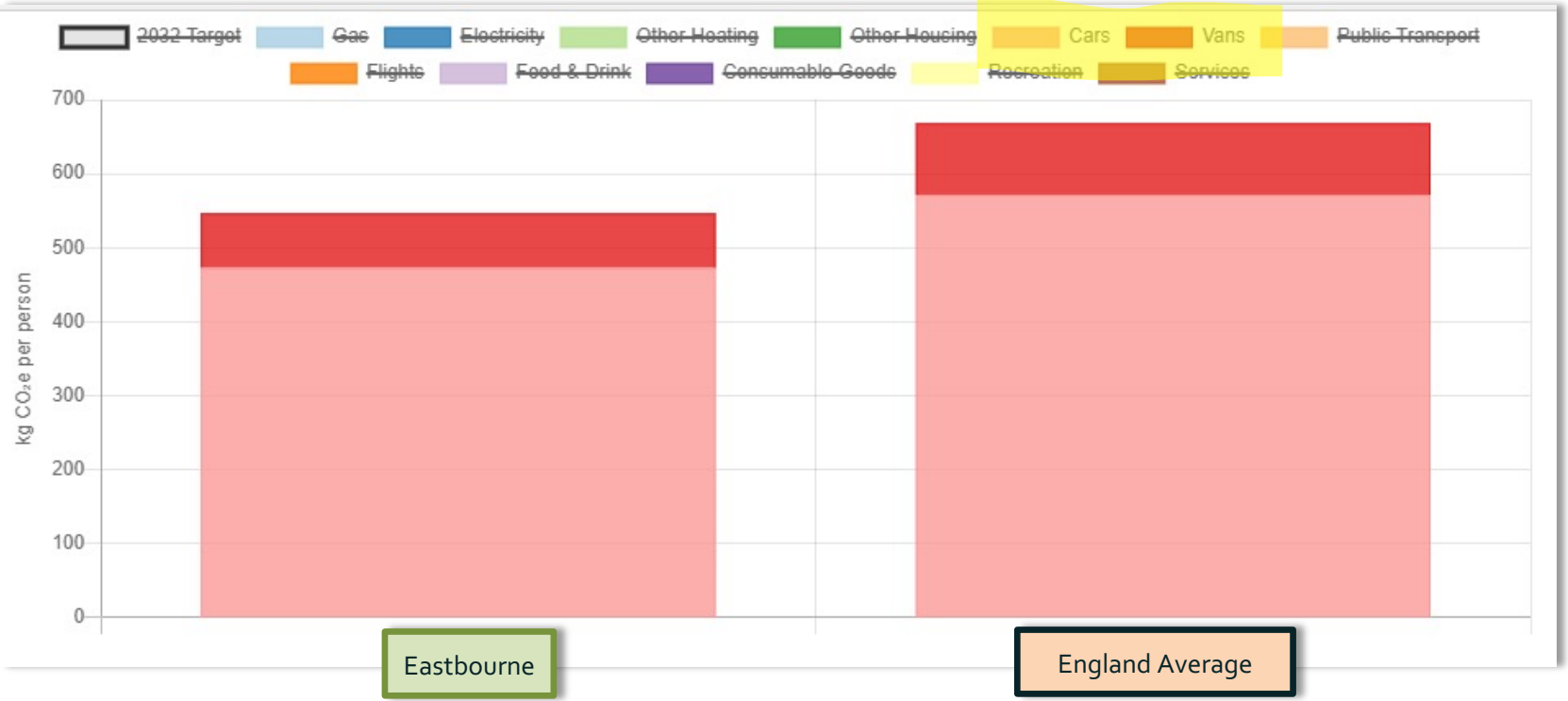

Place-based carbon calculator
ABOUT
DATA
LOCAL AUTHORITIES
Privacy & accessibility
CREDS
Search
Select map layers
Areas
Filter Areas
Administrative boundaries
Transport stops
15-minute neighbourhoods
PCT Route Network
Wealden District
Eastbourne
LONDON
Contains OS data © Crown copyright 2021


Place-based carbon calculator
ABOUT
DATA
LOCAL AUTHORITIES
Privacy & accessibility
Wealden District
Estimated average annual carbon footprint per person
Eastbourne
Wadhurst
Uckfield
Burgess Hill
Bexhill
Grades
A+ (best 1%)
A
A- (best 10%)
B+
B
B-
C+
C
C- (above average)
D+ (below average)
D
D-
E+
E
E-
F+ (worst 10%)
F
F- (worst 1%)
No Data

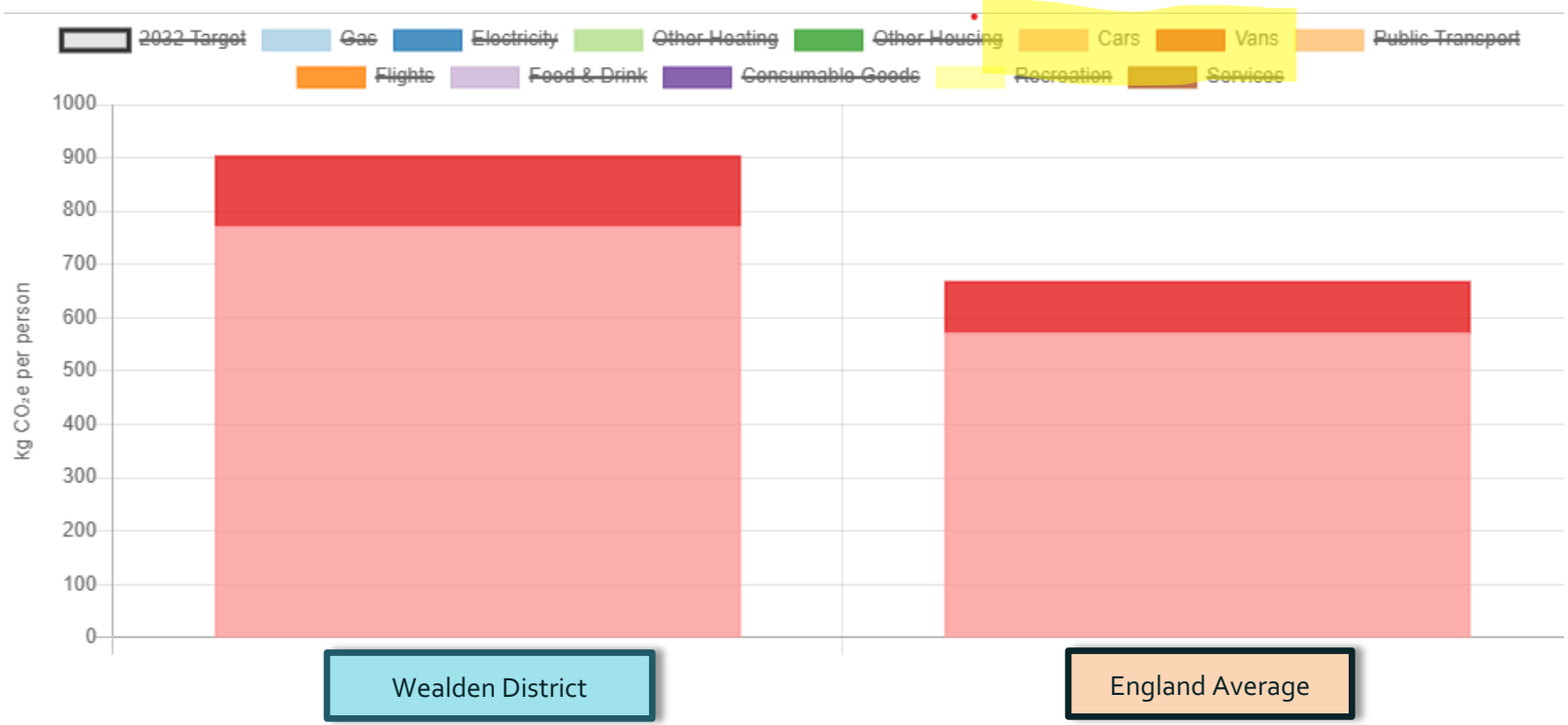
Eastbourne's carbon footprint

Eastbourne's carbon footprint

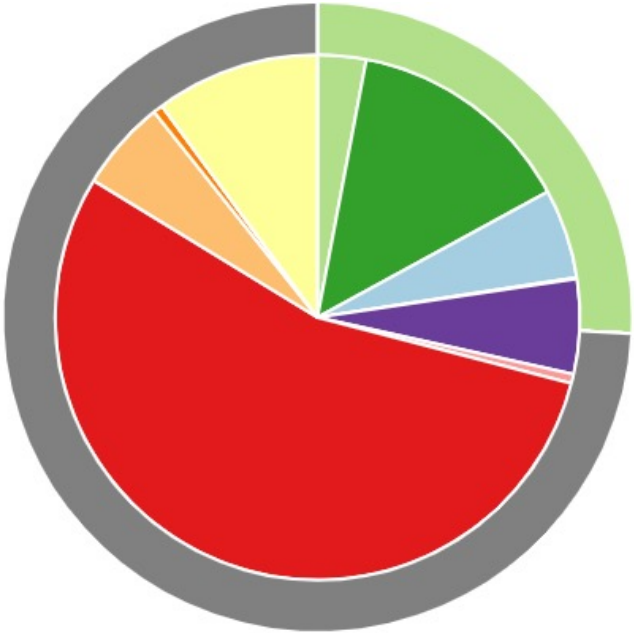
Eastbourne's carbon footprint – cars and vans

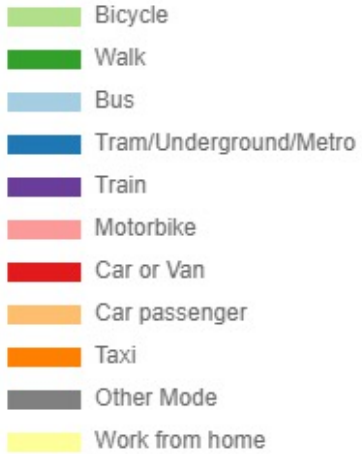


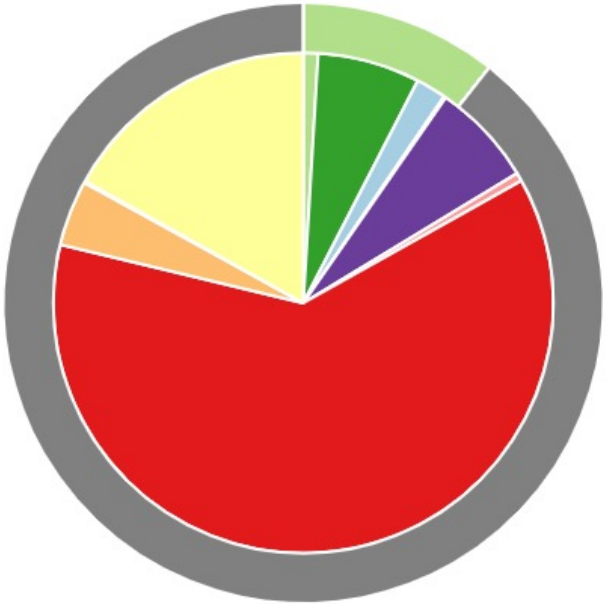
Wealden's carbon footprint – cars and vans



Travel to work trips share

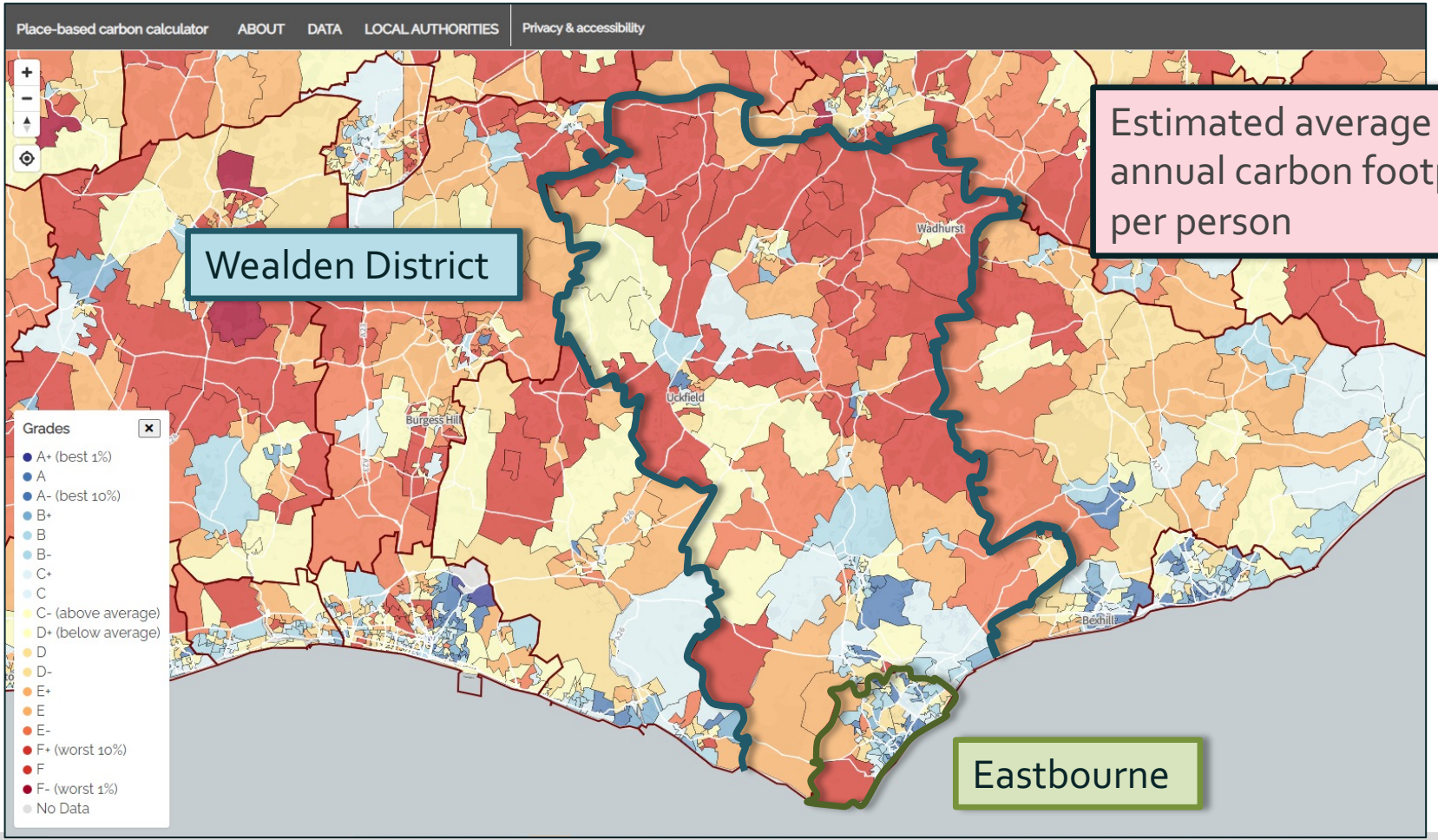






Eastbourne

Wealden District


Place-based carbon calculator
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C+
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D+ (below average)
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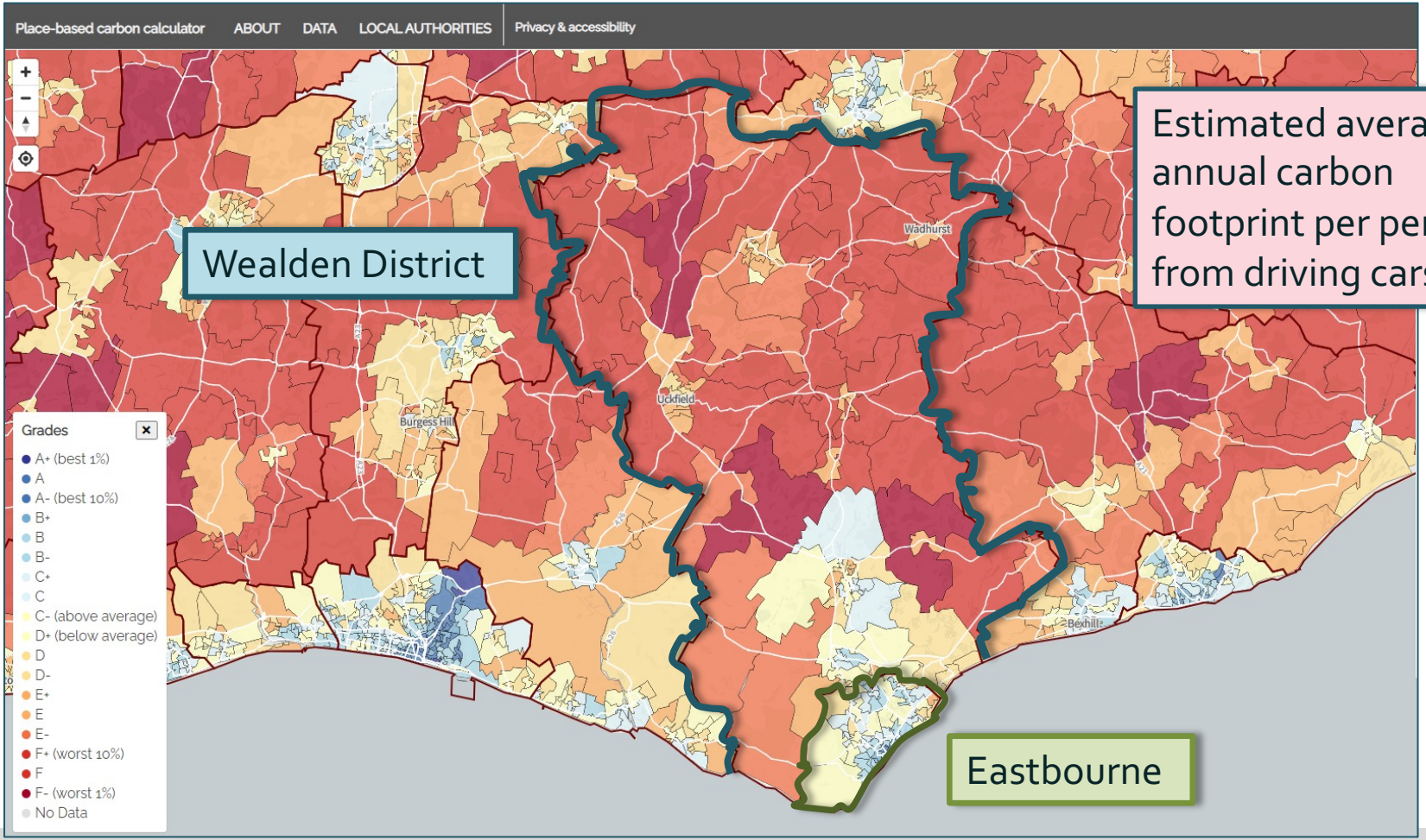
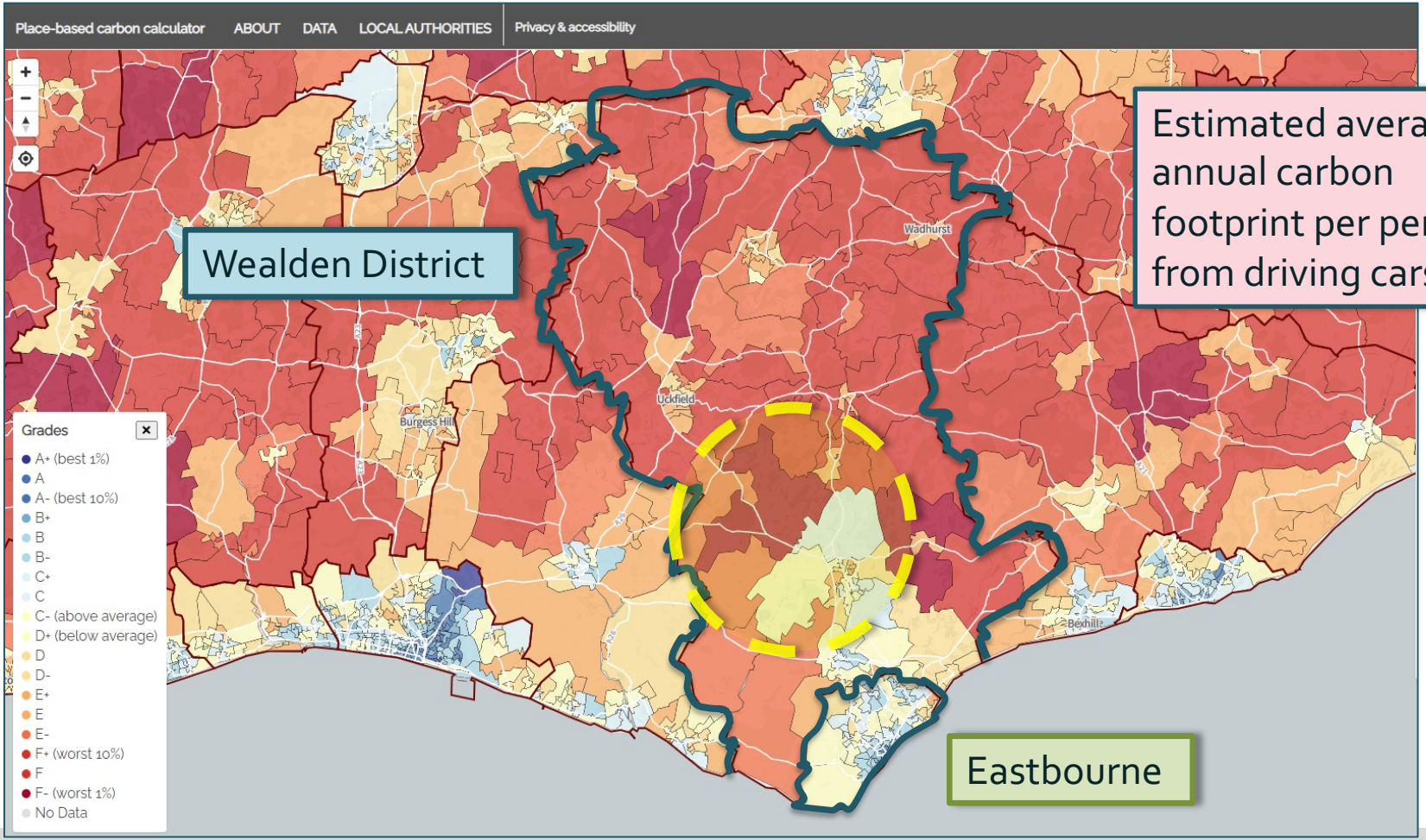
D-
E+
E
E-
F+ (worst 10%)
F
F- (worst 1%)
No Data


Place-based carbon calculator
ABOUT
DATA
LOCAL AUTHORITIES
Privacy & accessibility
Wealden District
Estimated average annual carbon footprint per person from driving cars
Eastbourne
Grades
A+ (best 1%)
A
A- (best 10%)
B+
B
B-
C+
C
C- (above average)
D+ (below average)
D
D-
E+
E
E-
F+ (worst 10%)
F
F- (worst 1%)
No Data
Wadhurst
Uckfield
Burgess Hill
Bexhill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Burgess Hill
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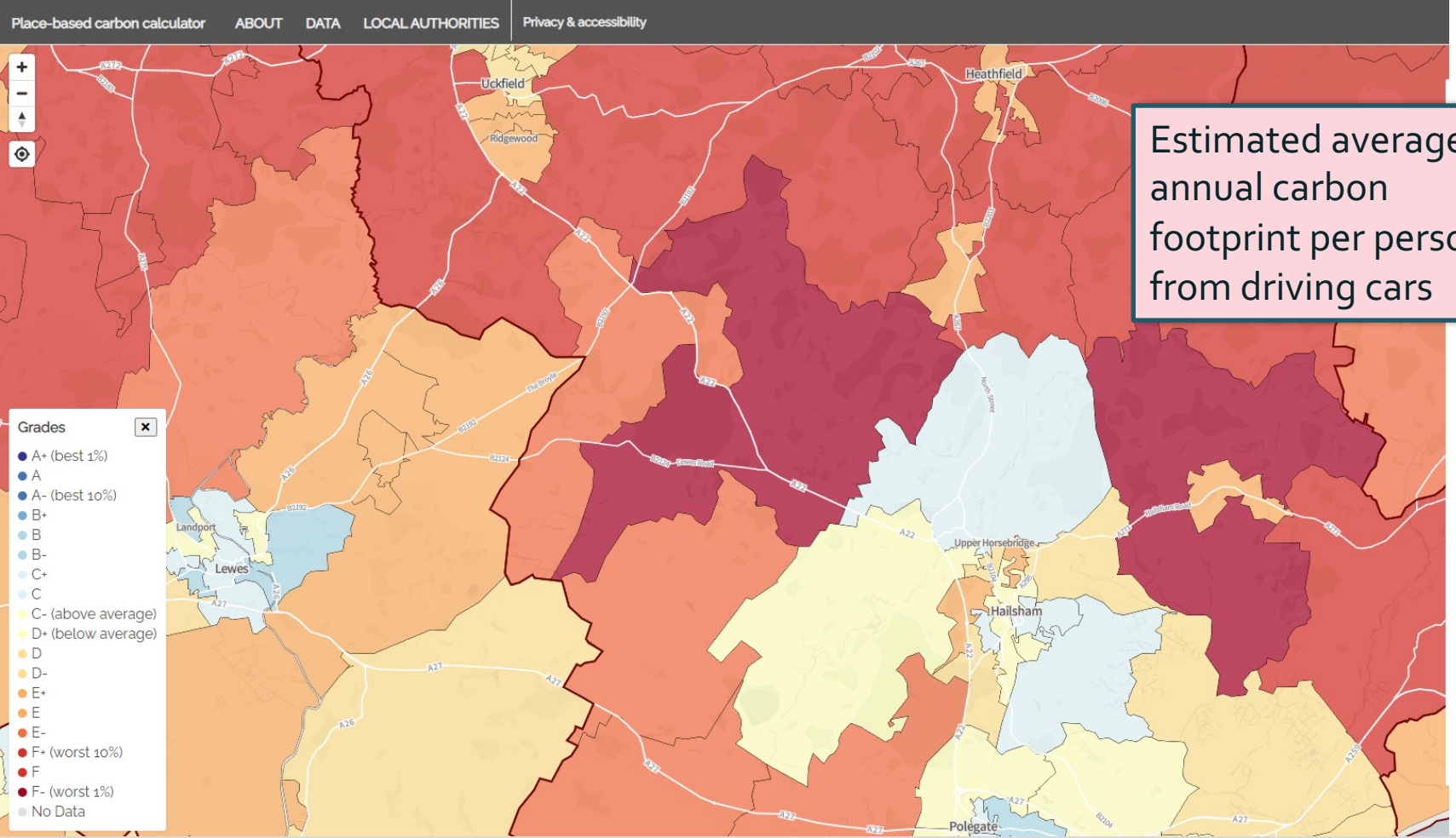


Estimated average annual carbon footprint per person from driving cars

Place-based carbon calculator ABOUT DATA LOCAL AUTHORITIES Privacy & accessibility

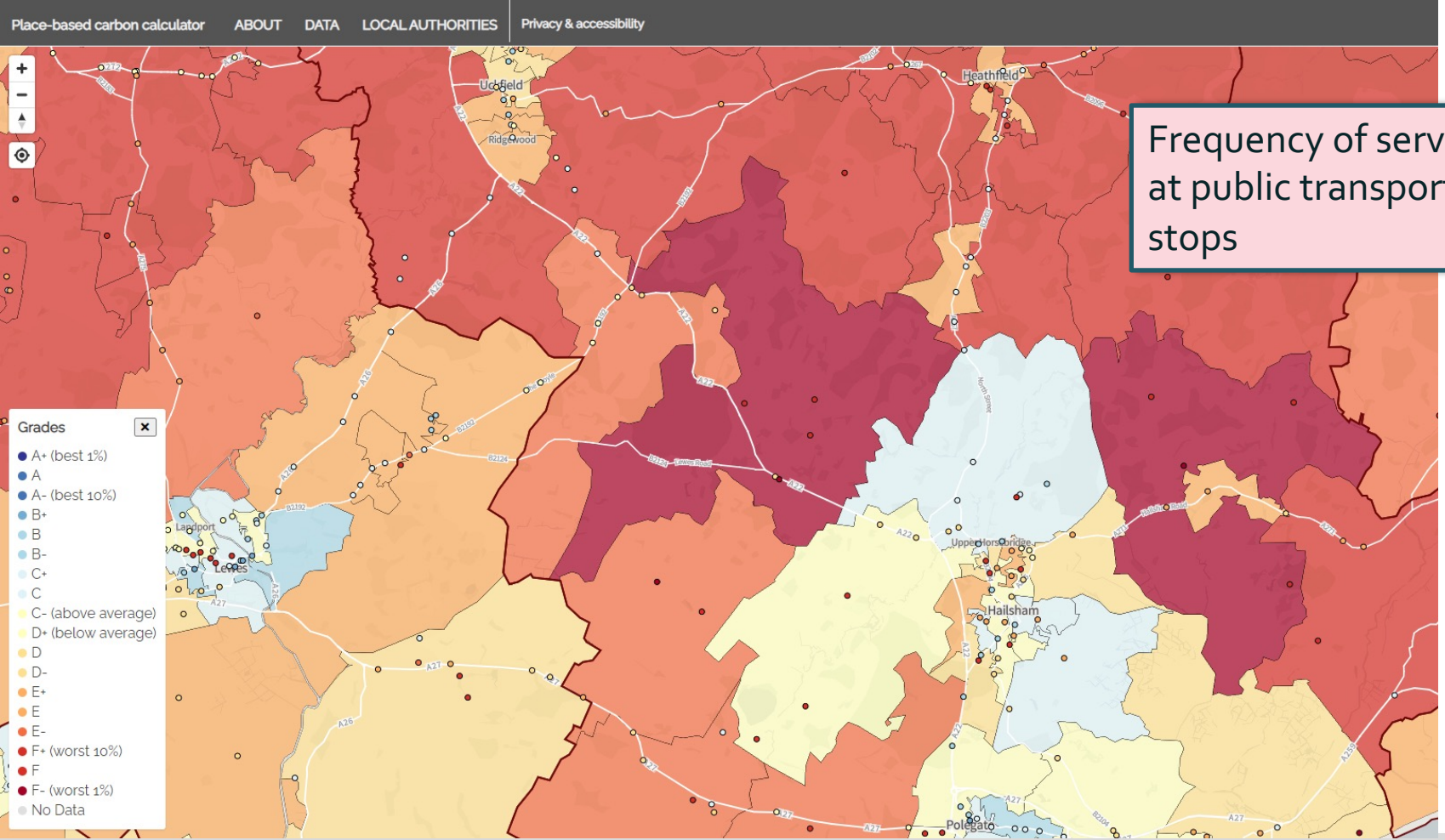
Prospering countryside life

Estimated average annual carbon footprint per person from driving cars

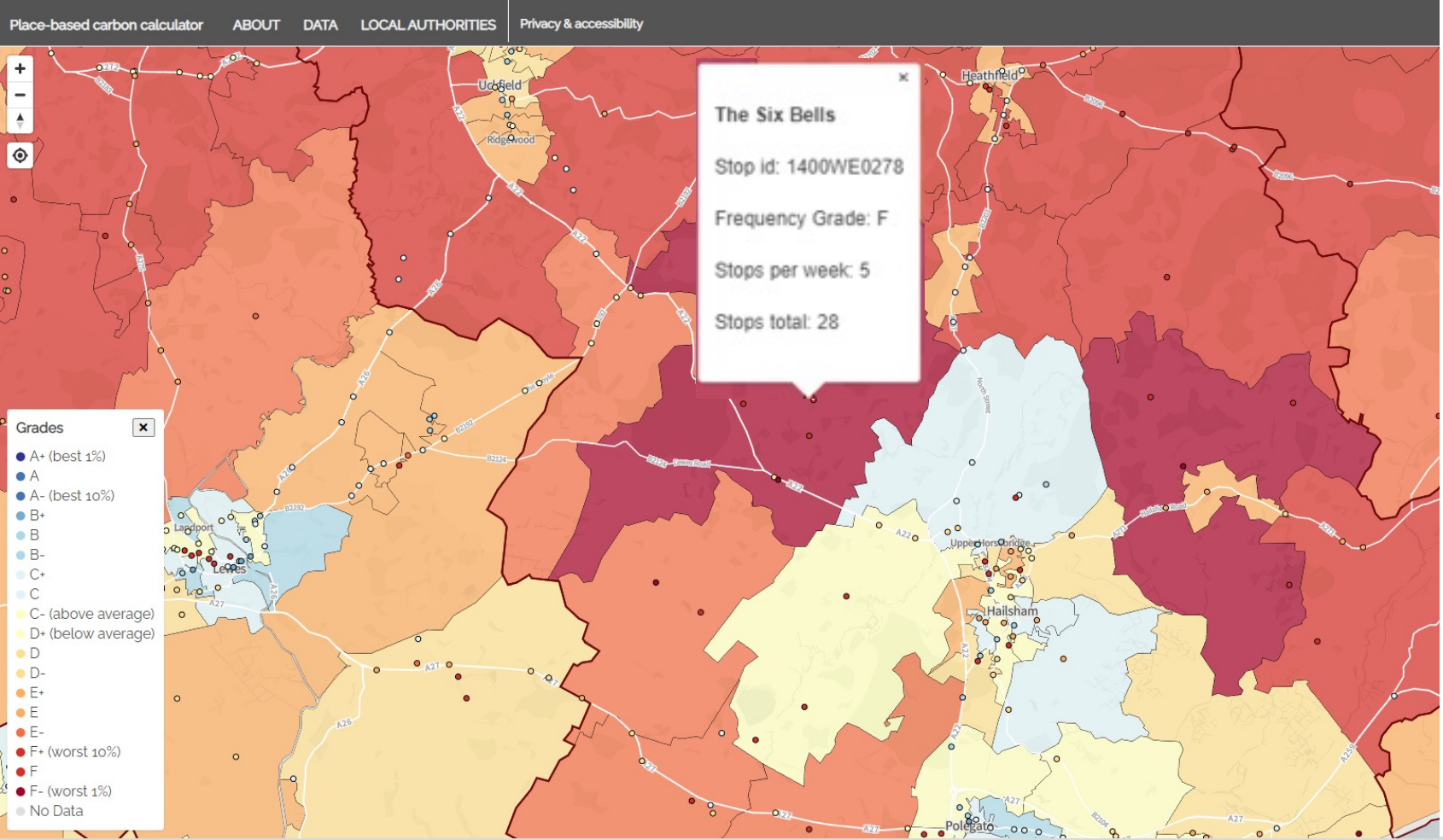
Ageing rural neighbourhoods

Grades
- A+ (best 1%)
- A
- A- (best 10%)
- B+
- B
- B-
- C+
- C
- C- (above average)
- D+ (below average)
- D
- D-
- E+
- E
- E-
- F+ (worst 10%)
- F
- F- (worst 1%)
- No Data

Heathfield
Landport
Lewes
Upper Horsebridge
Hailsham
Polegate



Frequency of service at public transport stops


Place-based carbon calculator
ABOUT
DATA
LOCAL AUTHORITIES
Privacy & accessibility
The Six Bells
Stop id: 1400WE0278
Frequency Grade: F
Stops per week: 5
Stops total: 28
Grades
A+ (best 1%)
A
A- (best 10%)
B+
B
B-
C+
C
C- (above average)
D+ (below average)
D
D-
E+
E
E-
F+ (worst 10%)
F
F- (worst 1%)
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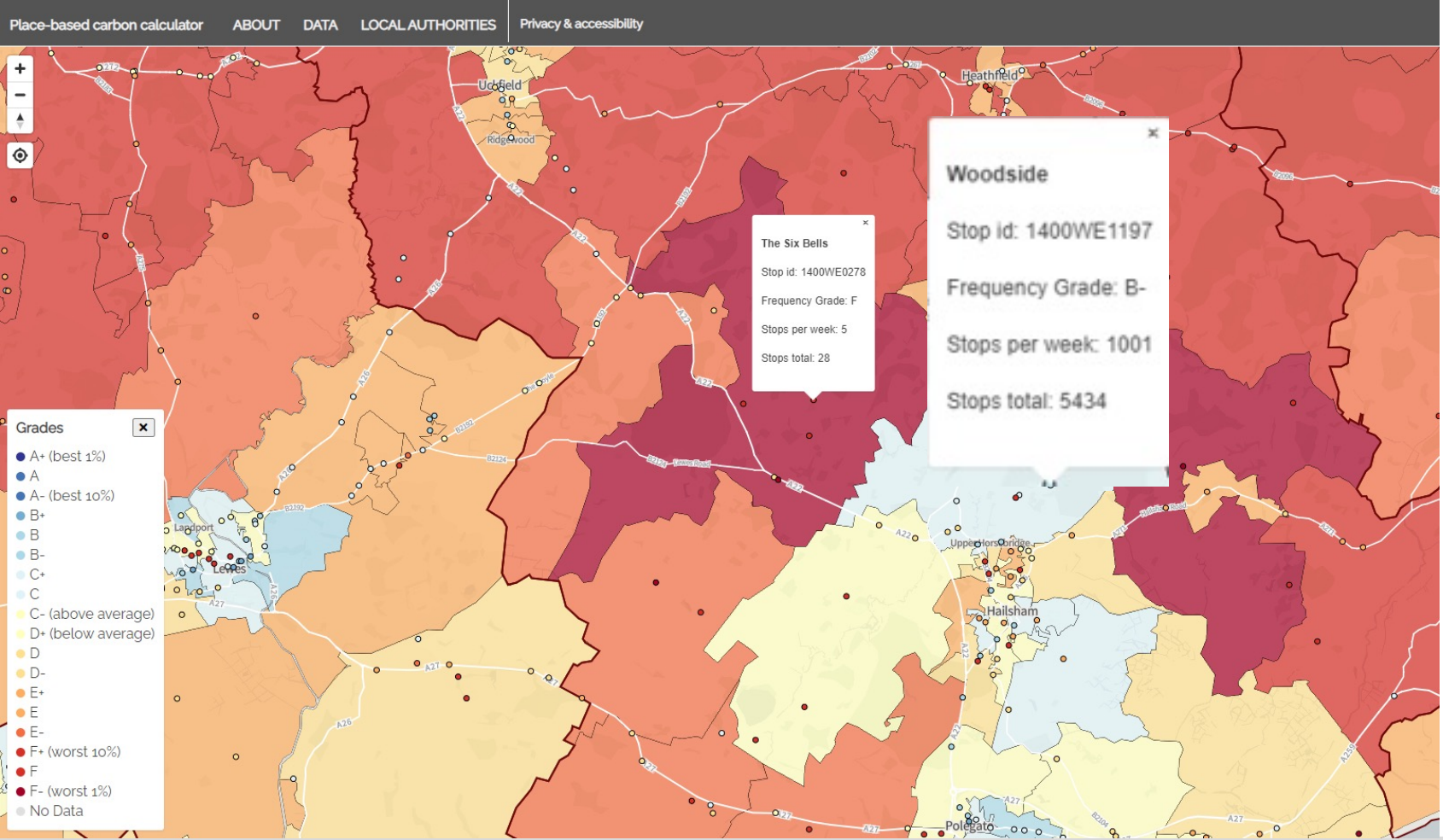
Uckfield
Ridgewood
Heathfield
Lewes
Hailsham
Polegate


Place-based carbon calculator
ABOUT
DATA
LOCAL AUTHORITIES
Privacy & accessibility
Uckfield
Ridgewood
Heathfield
Woodside
Stop id: 1400WE1197
Frequency Grade: B-
Stops per week: 1001
Stops total: 5434
The Six Bells
Stop id: 1400WE0278
Frequency Grade: F
Stops per week: 5
Stops total: 28
Grades
A+ (best 1%)
A
A- (best 10%)
B+
B
B-
C+
C
C- (above average)
D+ (below average)
D
D-
E+
E
E-
F+ (worst 10%)
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F- (worst 1%)
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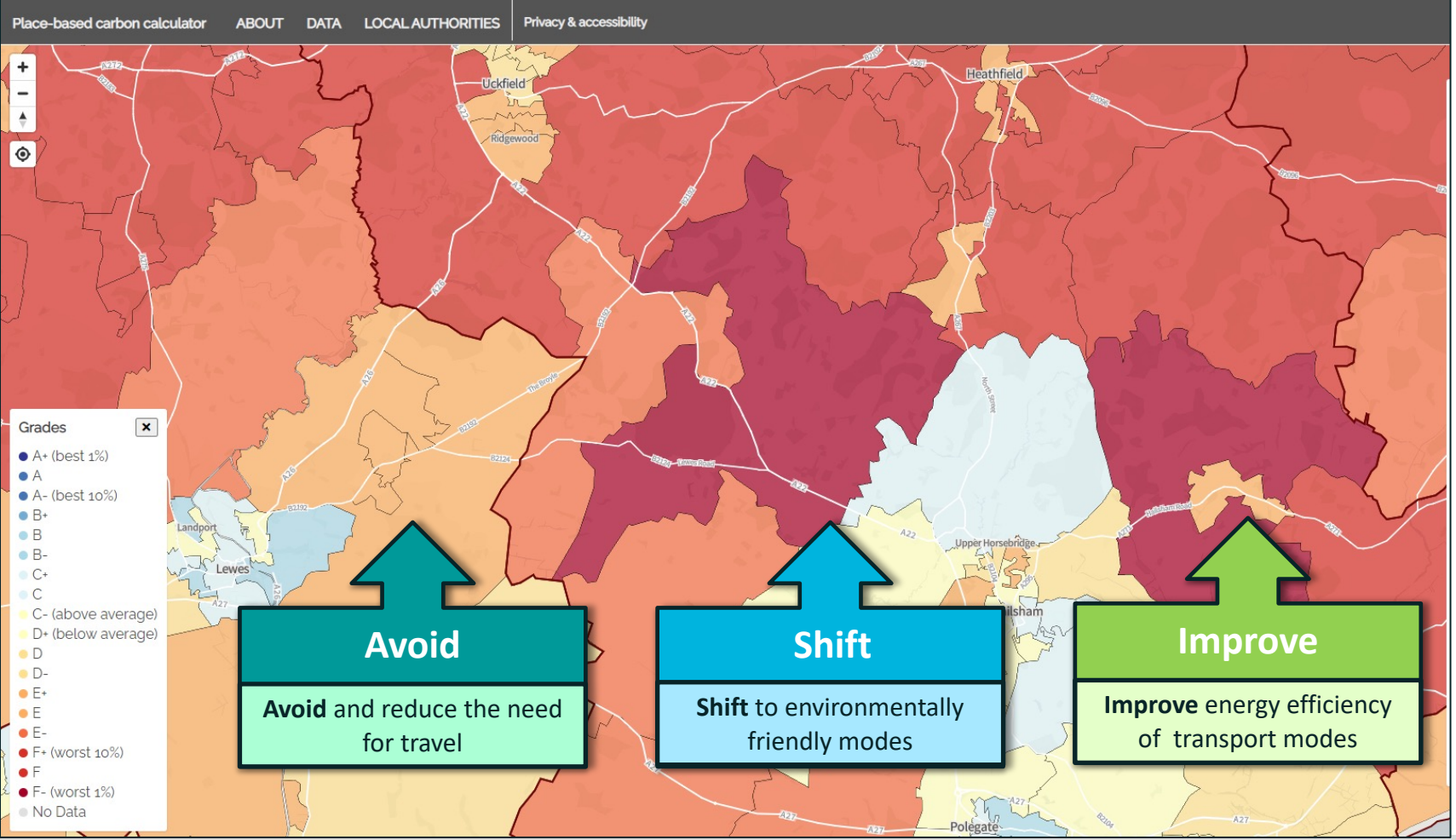
Lewes
Hailsham
Polegate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D
D-
E+
E
E-
F+ (worst 10%)
F
F- (worst 1%)
No Data
Landport
Lewes
Upper Horsebridge
Polegate
Avoid
Avoid and reduce the need for travel
Shift
Shift to environmentally friendly modes
Improve
Improve energy efficiency of transport modes